Brain Gain

BUILDING UP DATABASE OF KERALITE-ACADEMIC DIASPORA AROUND THE GLOBE



Short-Term Project (130/2021/EVN/SPB) Completion Report

Submitted to the State Planning Board, Government of Kerala by

The Kerala State Higher Education Council

Science and Technology Museum Campus, Vikas Bhavan P.O. Thiruvananthapuram-695033



November, 2021



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Short Term Project 130/2021/EVN/SPB

Submitted by The Kerala State Higher Education Council



The project *Building Up Database of Academic-Keralite Diaspora around the Globe* was supported by the financial assistance vide Short-Term Project No. 130/2021/EVN/SPB of the State Planning Board of Kerala, Thiruvananthapuram **November**, 2021

Project Details

Project Title	Building Up Database of the Keralite-Academic Diaspora around the Globe
Project Sanction Order	Proc. Order No. 130/2021/EVN/SPB dated 22-2-2021 of the Member Secretary, State Planning Board
Duration	Six Months
Project Fund (Amount)	Rs. 3,00000/- (Rupees Three Lakhs only)
Agreement signed on	14-3-2021
Commencement	April, 2021
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Completed	November, 2021
Project Proposed by	Prof. Rajan Gurukkal, Vice Chairman, KSHEC
Appendix Tables	1-7
Total Pages	274
Total Tables & Figures	15
Total Annexures	6

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Foreword

We had undertaken this short-term assignment from SPB for the generation of profile data regarding the Keralite-Academic Diaspora of Scientists, Social Scientists and Humanities Experts in Universities and research Institutions abroad working in the famous Universities and Research Institutions the world over and specialising in emerging areas of knowledge. As you know the purpose was to invite Keralite experts in advanced fields of science, technology, and social sciences during their sabbatical leave or domestic visits for engaging with Courses and involving in researches for the benefits of students and teachers of universities in the State. Now scholars including Keralites, whom the country is deprived of due to Brain Drain are invited under the Erudite-Scholar in Residence Scheme for a couple of weeks. We thought of a corollary scheme under the name Brain Gain by identifying a larger group of experts ready to make themselves available for a relatively long duration but at a smaller cost for teaching and research. The data search project of Keralite Academic Diaspora is a preparatory of the Brain Gain Scheme hoping to facilitate brain circulation by bringing the experts as short-term teachers, part-time collaborators in projects and co-supervisors in researches. It may help us mobilise expertise from the Keralite academic diaspora data for the benefit of the Government too. We are immensely grateful to the SPB, especially Dr. V.K. Ramachandran, the Vice Chairman for providing the financial support for the project.

Prof. Rajan Gurukkal

Vice Chairman Kerala State Higher Education Council

Preface

In the wake of globalization brain drain has become so entrenched and widely accepted phenomenon. The best brains coming out of our premier public funded institutions in the country are products for export to developed countries. It is in this context Brain Gain scheme was envisaged in the 13th FYP of KSHEC to attract non-resident Indian academicians to higher education institutions in the state for short term teaching and research during their sabbatical leave and holidays. We have to integrate this with the ongoing Erudite scheme (Scholar-in-residence programme). The present project sponsored by the Kerala State Planning Board give a further fillip to the scheme. Dr. Manulal P. Ram (Research Officer, KSHEC) who headed the project has done a commendable job in mobilising data related to our Diaspora. He gathered the date related to leading academicians of Kerala origin working in Universities and other research institutions all over the world. This data base of the Diaspora will definitely strengthen the academic and research level linkage of our academics and HEIs. The KSHEC acknowledges the support of the Kerala State Planning Board in this endeavour and congratulate Dr. Manulal P. Ram and Mr. Arun (Project Assistant) for the successful completion of the project in time.

Dr. Rajan Varughese Member Secretary

Acknowledgements

The project entitled "Building Up Database of the Keralite-Academic Diaspora around the Globe" has been evolved as an offshoot development of the initiative named *Academic Volunteer Bank* of the Kerala State Higher Education Council. The Vice Chairman of the Council Prof. Rajan Gurukkal has been instrumental for this novel concept of BRAIN GAIN which envisages of bringing back the intellectual insights and resources of Keralites lives elsewhere in the world for the enhancement of academic & research output of state higher education institutions. A greater part of this work is immensely owed to Prof. Gurukkal for the persistent support and innovative ideas throughout the production of this work. The successful completion of this project would not have taken place without the administrative & conceptual support of the Member Secretary Dr. Rajan Varughese. My colleagues in the council Dr. Shefeeque V., Dr. Priya K. Nair, Smt. Deepika Lakshman are deeply indebted for their valuable support. Administrative support by the officials of KSHEC is thankfully noted.

The Principal Investigator place on records his sincere thanks to the State Planning Board Kerala for the financial support.

Manulal P. Ram Principal Investigator

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Abstract

The proposal of this study submitted by Prof. Rajan Gurukkal, the Vice Chairman of the Kerala State Higher Education Council before the State Planning Board seeking financial support to carry out a study to develop an academic diaspora of Keralite Scientists, Social Scientists and Humanities Experts in Universities and research institutions abroad, Medical Professionals Technocrats/CEOs of Multinational Establishments, Economists, Environment/Biochemistry/ Sustainability/ Resilience/Disaster Management Experts working in the famous Universities and Research Institutions the world over and specializing in emerging areas of knowledge. The project entitled "Building Up Database of the Keralite-Academic Diaspora around the Globe" was approved as a short-term project. Three types of databases have been subsequently developed as part of this study. (1) Scholars from different but specialized areas who have registered in the portal, which is developed and maintained by the council for this purpose, (2) List of scholars with their institution & subject details has been developed through web combing & other search methods, and (3) List of diaspora organisations functioning in various countries. As part of the study, a robust system has been evolved for so that building up of more details and expanding such database on any-time time basis. This will ultimately enable to frame a mechanism which can systematically utilize this resource for constructive engagement of international community of Keralite origin for the enhancement of higher education in the state. The results of the work also point out future scope of framing a road map to accomplish the various goals set by the Brain Gain project particularly the linking up with Erudite-Scheme. Only with such concrete & schematic plan can result to the vibrant and consistent use of this database for meeting the quality enhancement in HE sector of the state.

Keywords: Brain Gain, Keralite-Academic Diaspora; Intellectual Capital, Higher Education, Academic Collaboration

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Chapter 1

Keralite-Academic Diaspora

1. Introduction

Brain regain/circulation/skill transfer has emerged as one of the most important areas of Diaspora contribution to the homeland (Pande, 2014). The predecessor term to it, popularly termed as "brain drain," policymakers, particularly those in the United States, have been targeted for importing brain gain from source countries and accumulating human capital. But as an expression of British origin, it is commonly used describe one of the most sensitive areas in the transfer of technology. It refers to skilled professional who leave their native lands in order to seek more promising opportunities elsewhere (Kwok & Leland., 1982).

As per the records of the Ministry of External Affairs, the overseas Indian population is ¹2,84,55,026 as on January 2015. Coming down to the state of Kerala, the latest statistics provided by NORKA-ROOTS, the organization intended to provide time bound financial support to the Pravasi who has returned back to his homeland, the Keralite population abroad is now crossing 4 million².

Centre for Development Studies (CDS), an institute gained considerable reputation in conducting research studies on international migration, has made significant findings particularly with its research programme Kerala Migration Survey (KMS)³ about the overseas migration from this geographically small state. In its latest report 2018 held in association with NORKA, points out that the countries in West Asia account for 89.2% of Kerala's emigrant population and as many as 39.1% of emigrants are in the United Arab Emirates. The "returned emigrants" (REM), according to the survey, was 12.94 lakh in 2018, up from 11.5 lakh in 2008. Compared to the trend in the 1970s and during the exodus from the State to the Gulf, a large

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¹ (https://www.mea.gov.in/images/pdf/3-population-overseas-indian.pdf).

² https://norkaroots.org/

³ https://cds.edu/endowments/international-mogration-from-kerala/

number of the skilled workforce of doctors, nurses, engineers, IT professionals and teachers are now seeking employment outside the country. Of those employed abroad from the State, 67.78% are professionals such as businessmen, teachers, bankers; 3.78% are engineers, doctors (0.53%), nurses (6.37%), IT professionals (2.23%), drivers (11.85%), and 10.99% are salesmen.

In addition to the economic benefits of brain drain to the home country of the immigrant, the brain drain may in effect be a blessing in disguise. Which argues that, faced with an opportunity to migrate and receive higher expected returns to investment in human capital, brain gain may arise from new skills that are acquired abroad and are brought home upon their return favorably alters the incentives of a poor country's workforce to invest in human capital formation (Stark et al., 1997).

There is also potential for knowledge exchanges through the diaspora as a practical and flexible method for restoring the knowledge and skills that are temporarily 'lost' when highly skilled people leave their home countries, and argues that high-skilled migration may not necessarily lead to loss of skills and knowledge for sending countries (Siar, 2013).

Keralite Diaspora around the globe has been a large sector of social science research for long period of time. Many scholars and institutions have contributed valuable academic resource on this aspect and its changing trends particularly in immigrants to gulf countries to western world as well as the pattern of remittance to this state ((Sasikumar, 2016)(Walton-Roberts, 2014), (Karinkurayil, 2021). From a policy perspective, diaspora communities have been largely recognized as powerful actors whose activities affect the economic, political and social dynamics of their home countries, consequently gained greater momentum in the political and academic arena in the recent past (Palackal, 2013).

In such context of bringing this Keralite diaspora particularly the academia as a powerful actor in education & research arena of the state, the present work on building up database forms a working platform in future discourse in to this direction.

2. Purpose of work

The Kerala State Higher Education Council is having the general responsibilities and functions including rendering of advice to the Government, Universities and other institutions of higher education in the state of Kerala. This include various matters of academic input for the formulation and implementation of the policies on higher education and evolve a perspective

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plan for the development of higher education, suo moto or on the suggestion from Government or requests from Universities or other institutions. The council undertakes independent research for the generation of new ideas for the promotion of social justice and academic excellence in higher education, hold awareness programmes for the academia and initiate or propose or pilot projects on an experimental basis in selected higher education institutions for implementation of the new ideas (⁴Kerala State Higher Education Council Act, 2007)

A large number of literature available on the topic of diaspora studies across the world and the concept of utilizing the diaspora of any country for the benefit of home country is an established method in developing world. In the context of the state of Kerala, there is no valid database or any account of number of scholars or professionals working abroad on various specialized or emerging field of knowledge, has been made available. If such information can be built, that will lead to a major leap towards the knowledge capital of the state. While still coping with brain drain, sending countries now increasingly recognize diaspora as a channel for technology transfer. With a strong attachment to their homelands, the diaspora can create networks to connect professionals and scientists around the world to help promote scientific and economic development in their home countries (Andrés, 2002).

It is understood that there are certain discipline-wise initiatives like *IndiaBioscience*'s which revolves around Engaging Communities and Enabling Change that works to establish and grow a well-knit mutually supportive life science community in India. The "Interactive Database of Life Science Researchers" is a compilation of the best of India's life scientists together (<u>https://indiabioscience.org/</u>) and similarly, the information system and database on Science and Technology (S&T) Statistics, popularly known as Science Statistics has also collect database of Indian Origin Academicians. But these resources do not provide any valuable information of scholar details of Keralite origin. There are important academic resources about migrations within India and to gulf countries by Keralites which cover a larger aspects relating to the impact of Diaspora in the Kerala's development (Zacharia and Irudaya Rajan, 2013). But there is significant improvement in developing a network of Keralite diaspora organisations across the world over the recent period. ⁵Loka Kerala Sabha (LKS) is such a platform brough out by

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⁴ http://www.kshec.kerala.gov.in/index.php/act-and-rules/higher-education-act

⁵ https://www.lokakeralasabha.com/

Government of Kerala for Keralites living across the globe, which envisages the cultural, sociopolitical and economic integration of Keralites abroad.

3. Project Proposal

Keeping in view of the above aspects, the council has evolved a strategy for involving scholars from different sector of academic, research, industry and other walks of life by formulating a concept called "Academic Volunteer Bank (AVB)" which can attract experts from different field to join with KSHC for offering their knowledge, service for the well-being of the higher education in the state of Kerala.

In a similar context of objective, the Vice Chairman of the Kerala State Higher Education Council has made a proposal to the State Planning Board seeking financial support to carry out a study to develop an academic diaspora of Keralite Scientists, Social Scientists and Humanities Experts in Universities and research institutions abroad, Medical Professionals Technocrats/CEOs of Multinational Establishments, Economists, Environment/Biochemistry/ Sustainability/ Resilience/Disaster Management Experts working in the famous Universities and Research Institutions the world over and specializing in emerging areas of knowledge.

Such a database will act as a support system in enhancing quality of higher education in the state, primarily to

- attract, share, involve, integrate and incorporate Keralite-Academics in advanced fields of science, technology, and social sciences for the quality enhancement in higher education institutions in Kerala
- effectively implement the Erudite-Scholar in Residence cum Brain Gain programme
- launch the programme of brain circulation by bringing the experts as short-term teachers, part-time collaborators, and co-supervisors in researches in the universities
- locate experts in science-tech hybrid fields relevant to the transformation of higher education to knowledge economy and enhancement of the states' intellectual property contributions
- establish communication directly with the experts who possess the expertise
- identify experts in high-tech industries and invite them for generating ideas for the reconstitution of the curricula of the higher education institutions

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• provide advisory support to the government by using the above database in relevant matters of expertise

The proposal submitted by the Vice Chairman of the council was subsequently approved by the State Planning Board vide Proc. Order No. 130/2021/EVN/SPB dated 22-2-2021 of the Member Secretary, State Planning Board (*Annexure 1*). The council has made a comprehensive plan to collect the details of such scholars/scientists etc. from various organisations, institutions through primary and secondary data collection from different sources. Terms and Conditions as an agreement has been signed between the Member Secretary, KSHEC with the Member Secretary State Planning Board with regard to the conduct of the study under this project.

6. Project Expenditure

The expenditure part of the project is proposed as (1) employment of sufficient support team including one researcher and a data entry assistant (2) Travel and contingency with respect to gathering and processing of data (3) other final drafting and report making.

Personnel	Responsibility	Duration	Salary per Month
1 Researcher	Correspondence and PR jobs	6 months	Rs. 20,000 x 6
1 Data Entry Assist	Data entry and computer jobs	6 months	Rs. 20,000 x 6
Travel & Contingency			Rs. 40000
Overhead			Rs. 20,000
Total			Rs. 3,00,000

Table 1 . Project Expenditure

Chapter 2

Methodology

1. Working Plan

The present study has employed various methods for data capture through available resources and through new mechanism. Although a number of studies have taken place with respect to the diaspora around the globe as well as of Keralite origin, there is no comprehensive report mentions about the academic population of Keralite origin working in universities, research institutions, industry, medical fields etc. abroad. It is undisputable fact that such a population of Keralite origin is significant in number.

The following aspects are also covered in connection with the building up of such data base during the course of time.

- Collection of literature and reviews that helps information capture and analysis has been attempted and have noticed that such records are available.
- Exploring the available resources (Direct Search) like INFLIBNET, IRIM, Vidwan etc. along with any public platforms which the state or central governments have established an interface of academic/industrialists/ technocrats etc. over the years
 - Data collected from such sources.
- Obtain available resources (Web-based institutional Combing) of the alumni of the state universities and other institutions by correspondence and access to their database
 - Universities in the state has been informed about this project and has been asked to circulate among the departments and other affiliated institutions for adequate coverage and reach to potential areas.
- Exploring the social communication networks and social media platforms (Indirect Search) through individual and institutional contacts
 - Details of this project have been posted on various social media groups and platforms
- Steps have been taken to provide adequate coverage about the proposed data collection through advertisements in media/journals/newsletters of academic institutions across the globe)

- Advertisement through press release and news coverage on national and local dailies and its online editions. A brief advertisement has been made to be provided in the most popular Indian journals like CPW and Current Science online edition.
- The academic collaboration with other research organizations has also been sought for enriching the database.
 - Universities have been asked to communicate the same to obtain details of the collaborative programmes and engagements with the interested organisations in the state.
- i) Direct Search: The most effective way to collect data on diasporas is to combine domestic and external resources, as well as data from the sending and the receiving country. The domestic resources are consulates, ministries of foreign affairs, education and justice, the national & state offices etc. can also provide data (Dina Ionescu, 2006). In the present study, database available from central and state governments contain the list of diaspora organisations function in various countries. Educational institutions in the state, particularly the universities can provide such list of scholars working abroad through their departments.

International: Large number of registered organisations of Malayalee community/Keralite origin are functioning in different countries. ⁶Organisation like World Malayalee Council works towards an international brotherhood of Malayalee / people of Kerala origin to bolster their cultural, artistic and social uniqueness working with the Malayalee diaspora across the Globe. Details obtained from the foreign institutions and other establishments are solely based on the web-combing method by visiting the prominent web-sites of those institutions. This is a herculean task, and has been done through consistent effort. Web-based Institutional Combing is combing of the faculty of the Universities and Research Institutions can help generate details of the Keralite diaspora academics.

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⁶https://www.mea.gov.in/images/pdf/list-of-overseas-indian.pdf https://norkaroots.org/ https://www.worldmalayaleecouncil.net/

National: Indian Research Information Management (IRIM) service developed by the Information and Library Network (INFLIBNET) Centre, a web-based source and free software service to the academic and R&D organisations in India that have been searched for data. Its portal facilitates the academic, R&D organisations and faculty members, scientists to collect, curate and showcase the scholarly communication activities and provide an opportunity to create the scholarly network. IRIN has some limited information that could help to integrate the existing institutional repository of scholars. Out of this data pool also, the Keralite diaspora data has been sorted out. IRIM also has a national data pool called VIDWAN, the premier database of profiles of scientists/researchers and other faculty members working at leading academic institutions and other R & D Organisation involved in teaching and research in India. It provides important information about expert's background, contact address, experience, scholarly publications, skills and accomplishments, researcher identity, etc. From the vast source of data on VIDWAN which contains scholars/scientists from all parts of the country, the scholars of Keralite origin has been roughly picked out and send communication for registering with the brain gain portal of KSHEC.

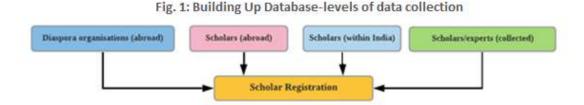
ii) Indirect Search

- Data generation of academics through correspondence with the persons and Institutions abroad by using contacts notified in the Internet
- Data mobilization based on the personal contacts of academics, scientists, social scientists and technologists in the universities of the state
- Correspondence with Regional Malayali Academics Organisations
- Correspondence with Malayali Professional Organisations abroad can share preliminary data about Medical Professionals, Technocrats/CEOs of Multinational Establishments
- Correspondence with Malayali Students Organisations abroad can share preliminary data about Medical Professionals, Technocrats/CEOs of Multinational Establishments
- Correspondence with the Parents of the Students/Researchers/Academic working in universities and research establishments abroad
- Data call notification through the website of KSHEC
- Data call notification through the website of universities in the state
- Data call notification through the advertisement published in popular reputed journals like Current Science, Economic and Political Weekly (EPW)

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• Data call posts through various social media platforms

Present work has explored the above sources for data collection includes statistics on a variety of associations, networks, community organizations, clubs and societies, including non-profit, political, educational, professional, scientific platforms. Ministry of Foreign Affairs & and State



government organisations had great potential to provide basic information regarding diaspora organisations abroad. Figure 1 shows various levels of data collection undertaken in the study. Associations functioning abroad, combined with a database of local education institutions can influence people to participate in this move. Such information appeared to be most useful to identify partners for collaboration institutions in the state and abroad.

2. Data Format

Firstly, the primary database prepared is based on Data Capture Format (DCF) designed for this purpose. As part of collecting the details of scholars who are working/residing outside the state, this DCF is made available on the web-portal created for this purpose attached to the KSHEC webpage. Which could facilitate the individuals who are willing to participate in this project, to provide their personal & contact details in it. This could garner two groups of scholars i.e., one group of scholars from abroad and other group outside Kerala but within India. As this portal collects the information of individual scholars from different areas of specialization, this database is considered to be the primary data ready for effective use at any time. These individuals have offered their willingness to associate with the brain-gain drive of the KSHEC & future association with the initiative that can contribute the welfare of higher education in the state. The attractiveness of this database is that it is evolving in a day-to-day basis.

The portal link [http://159.89.167.203/kshecportal/public/index.php/braingain registration] opens up an online datasheet for registration by scholars for making entries of their basic

personal information and also the provision to recommend any such other person of their contact falling under the eligible category.

The DCF collects only the basic information of individuals through this portal, which includes:

- Name
- Email
- Institution/Industry attached
- Specify the broad area of industry/research/academics/etc. currently engaged with
- Frequency of visit to Kerala
- Name the industry/academic/institution/etc. in Kerala to which professionally/academically collaborated, if any
- If you recommend any other scholar, please give his/her name and email id

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The Kerala State Higher Education Council கலைத் ஸன்ஸான் தன்கையிலுக்குண்ணினி	15\$	Search
Building up Database of the Ke	ralite-Academic Diaspora around th	e Globe
Name*	Email *	
Name " Institution/Industry attached "	Email * Specify the broad area of industry/research/a	cademics.letc. currently engaged with '
		cademics.'etc. currently engaged with '

Fig. 2: Data Capture Format (portal registration)

Secondly, it is understood that information available about the community organisations/ malayalee organisations functioning outside Kerala could be a major contributor to this initiative. Through recognized sources provided in government of India and state agencies, a large list of such organisations abroad is collected. They have been asked to circulate this information among their members in which a significant number may respond in due course of time. This

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database can be utlised for future purpose. Details like name of the organisation, contact details, web address are collected.

Thirdly, the contact details of large number of individual scholars, experts, professionals of various disciplines are collected from different sources and have been communicated personally to gather their institution details and willingness. Many have turned to have registered in the portal facility of brain gain.

The above three categories of data generation have made a considerable output which have been enlisted in Chapter 3.

In the wake of intensive restrictions imposed during the major part of the project period due to the Covid-19 pandemic, travel component for data collection could not have occurred fully. One data entry assistant has been employed for the purpose of data collection and data entry during this period since the second month of commencement of the project. This has been done as per the provisions of the project proposal based on a monthly remuneration of amount maximum to Rs. 20000/-.

All universities in the state have been intimated about this project with wider circulation among their faculty/institution contacts and affiliated institutions. News-paper release and other social media platforms are used for adequate coverage, in addition of reaching out to individuals and organisations. A brief one-page advertisement has been designed and posted across various social media. The same is made for the advertisement in online-offline editions of popular journals of generic nature of Indian origin ie., *epw* and *current science*.

Chapter 3

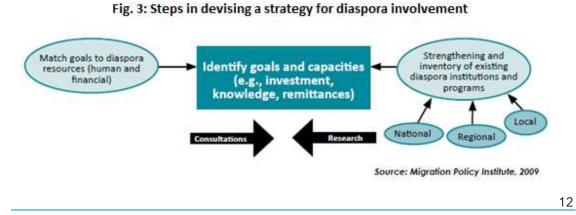
Outcome of the Work

1. Results-overview

Countries across the globe have made various strategies to engage its diaspora abroad, for innovative developments projects/activities of home country. India and China, have in recent years given priority to encouraging diaspora entrepreneurs and highly skilled professionals to develop activities in their countries of origin (Agunias & Newland, 2012).

The purpose of this project is to enhance the collaborative initiatives particularly in the field of higher education for the overall enhancement of the quality & environment of higher education and research presently going on in the state. The responses obtained and database collected necessitate the need of comprehensive plan for utilising such discipline wise details scholar/professional/expert of Keralite origin working abroad. There are a couple of studies describes various methods in engaging diaspora of different communities & countries. Some of them are worth mentioning.

The first step for any government in devising a strategy to facilitate stronger diaspora involvement in development is to identify its own goals in undertaking this pursuit and to define the internal tools and mechanisms required for the task. For countries of destination, the strategy may differ according to the characteristics and origins of the diasporas engaged (Agunias & Newland, 2012).



It is understood that, the Government of India has constituted a High-Level Committee on the Indian Diaspora to analyze the location, situation, and potential development role of the estimated 20 million nonresident Indians (NRIs) and persons of Indian origin (PIOs).

Presently as on the completion of the project, we could obtain response from 190 scholars currently working in different institutions/areas in various countries, who have registered with the portal (Appendix Table 1) on KSHEC. This list is termed as Scholars -registered (abroad). The same registration portal could also obtain details of 100 individual scholars working in different academic/research institutions within India but outside Kerala (Appendix Table 2). This list is termed as Scholars registered (within India).

Since the portal registration by scholars cannot be expected to be complete or absolute in a prescribed time limit, contact details of individuals working in different capacities (including researchers, academicians, professionals, technocrats, doctors etc.) have been collected and are contacted through email. A comprehensive list of such persons working in different institutions around the world is collected and provided in this work as list of Scholars-collected (Appendix Table 3).

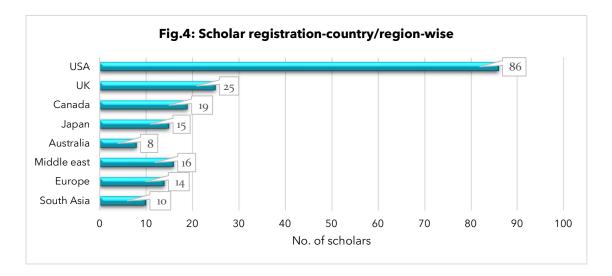
A major contributor of building up database of scholars is considered to be the Keralite/malayalee associations functioning in different countries. The records available in MoEA & NORKA-ROOTs etc. provides a list but have either confined to those of selected countries or recognized. The list included about such organisation as part of this work is consists of all formal or informal organisations across the globe. We could obtain details of 269 diaspora malayalee organisations functioning abroad, which have authentic contact details. Only those organisations/associations having a valid address are enlisted here, and have been contacted for this project (Appendix Table 4).

2. Scholars-Registered (abroad)

The list of scholars from abroad registered in the portal of the KHEC contains 190 individuals from different subject areas/institutions. They have also expressed their willingness for extending their support and association with any academic or research endeavors of the government of Kerala. Many have applauded these efforts to brining a platform for future collaboration and association with various institutions in the state and state government

initiatives. The remarks they made about this initiative is overwhelming. As mentioned above, the *Appendix Table 1* provides these details, which is given at the end of this document.

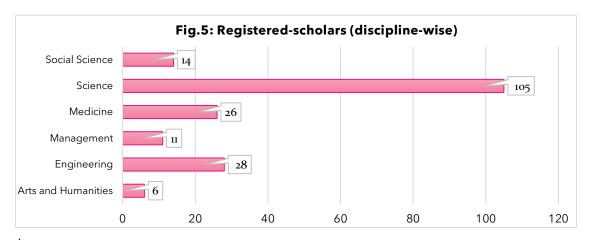
Country-wise participation in portal registration shows that scholars from USA, UK, Canada and Japan constitute the major part of this contribution and the remaining countries grouped region-wise.



3. Institution Collaboration

Most of the scholars maintain institution collaboration with many HE institutions and research centres in the state, in addition of university departments. There are college wise collaborations too. Majority of scholars are having research collaboration or association with multiple institutions or departments within Kerala. *Appendix Table 5* shows the list of institutions to which scholars have research collaboration/or academic association in Kerala. Most scholars registered with the portal has institutional/department wise collaboration with their area of specialization. Their responses shows that many of them are interested to engage with such academic or research activities if this initiative provide a platform for this. Scholars who have registered with the portal have mentioned their collaborating/associated institutions for research /industry/academic activities. Large number of young scientists have responded very positively and have shown keen enthusiasm for association with the government of Kerala or

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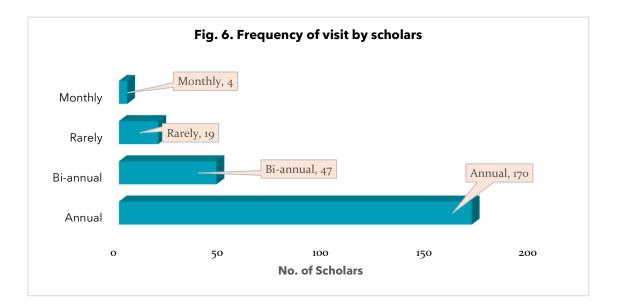
institutions within the state in areas of their operations. Figure 5 shows the discipline wise chart of scholars who registered in the portal.

4. Frequency of visit

Another important information is the details or nature of visit by these scholars to their home place in Kerala. This database has collected the frequency at which the scholar visits the state. As per the data, majority of them used to visit the state in annual basis. Such a data is useful when there is a mechanism is developed to track their visit and coordinate with the institution of their choice or the most proximate institution for the conduct of any programme in which this scholar can have time to spend with. This will benefit the academic community as otherwise it would consume much time of the visiting scholar. In addition to this, the Erudite-scholar in residence programme can also be benefitted by doing this, when a noted scholar/scientist of Keralite origin visits his/her country, valuable time of scholar can be utilized most effectively and productively. In Figure 6, their frequency of visit to Kerala is represented through a chart.

Since the registration in the web portal maintained by the council is a continuing process as the scholars can register in this portal at any point of time, the list of scholars gets expanded one day to day manner. As on the closing date of the project period by October 31st 2021, the total number of the registered scholars have reached 190 who belong to different disciplines and domains, in the brain gain portal.

Brain Gain -Building Up Database of Keralite Academic Diaspora around the Globe



As scholars from different institutions spread across 26 countries, registered their name and details with the portal and a few of them, ie., 33 have recommended/suggested other scholars within their area of work. Institution distribution map marks with numbers (cluster of institutions) created using *Geocode on Google's services* shows the institutions/countries to which these scholars are presently affiliated. Figure 7 shows the map which represents the countries/institutions to which the scholars are affiliated. As on the expansion of the data over the time, various pattern of distribution like specialization areas, other details of the scholars through appropriate maps can be prepared.

5. Scholars registered (within India)

As figured in the above section as *Appendix Table 2*, the list of scholars /subject experts working or associated with institutions situated in India have also registered with the portal. These data of scholars from prestigious institutions in India registered is also considered to be a significant component for future use. Many of them represent emerging areas of knowledge and reputed institutions in the country. They include senior scientists, research scholars etc. and sometimes retired professionals also. Presently such a database of scholars of Keralite origin working/associated with top rated institutions in the country is lacking, which could have been used for various academic or research fields and for empaneling them for various purposes.



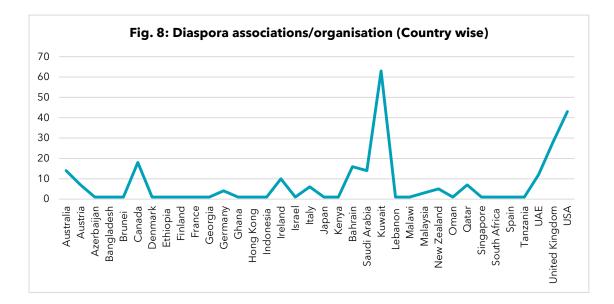
Fig.7: map shows countries & institutions of scholars

6. Diaspora Organisations

An "association" becomes an institution when individuals with shared ideas and memory come together and form it for retaining their cultural security (Goyal & Mukherjee, 2013). Different diaspora and their organisations have become crucial players in rural and community development in Africa and elsewhere in the world. Thus, governments have devised policies and implemented measures that simulate the diaspora's engagement in development activities. These changes are motivated by the change in perception of the role of diaspora from being merely the senders of financial remittances to co-development actors. Diaspora are therefore considered to have unique potential for bridging the different contexts to which they simultaneously contribute, as well as engaging in long-term development activities (EADPD, 2012). The Government of Kerala had collected details about the registered malayalee associations abroad, particularly in middle east countries through NORKA ROOTS. (http://www.norkaroots.net/Gallery09/associations_abroad.pdf).

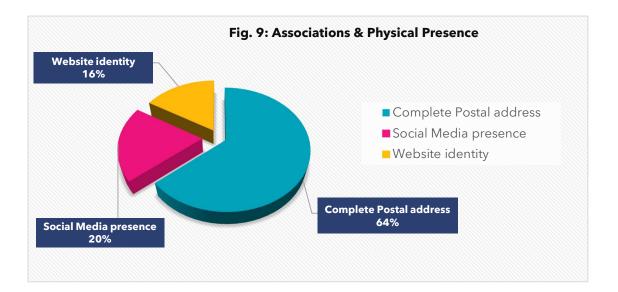
While there is a growing policy interest in tapping, mobilizing and channelling diaspora contributions, the role of policies should be clearly defined, and the approaches that can effectively facilitate the engagement of diasporas for development understood to ensure that diasporas are not deprived of the ownership of their contributions (Dina Ionescu, 2006).

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After a having done web-combing and the use of other resources available regarding various organisations across the world, the present work has collected the authentic details of 269 organisation of Keralite/malayalee community which is given in *Appendix Table 4*. The country -wise distribution of diaspora organisations are given in the graph. They have responded to this information by communicating with their members for wider coverage of this initiative. Figure 8 chart shows the number of diaspora organisations about which the details are collected.

Many organisations are functioning without any physical presence but on virtual/social media/or web address. A chart represents the data about such organisations based on available details are shown in Figure 9. They are found organizing functions & activities related to the community engagement. Active physical presence is noted for only 67% of the organisations, whereas, 16% has been identified only in their web pages and about 20% of them are solely on social media platforms like, Twitter, Facebook etc. Although these associations/organisations have been identified from the list available from the Ministry of External Affairs or NORKA-ROOTS, a large number of such associations are functioning on virtual /online platforms, not with their physical address or presence. But there is all likelihood that most of them can make contributions to this project by circulating this information to their fellow members so that they can register with brain gain portal facility later.



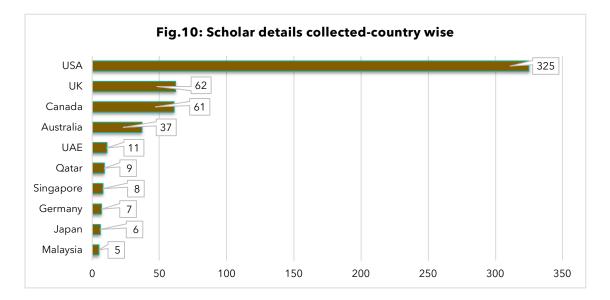
Those organisations without any proper address or website have been excluded in the report. Much of the above collection was made by visiting various ministries and embassy websites, Ministry of External Affairs, India Government & NORKA of Government of Kerala.

7. Scholar list -Collected

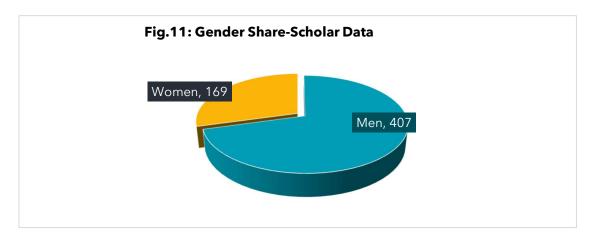
In order to address a vast number of scholars of Keralite not yet registered in the brain gain portal, contact details of a large number individuals working is various institutions have been collected manually through web search. They belong to different domains of specialization and their area of involvement is provided in detail in *Appendix Table 3*. This list contains a total number of 576 scholars belong to various domains of knowledge. This web combing was primarily focused to collect details of persons who have been associated with research and academic institutions and scholars belong to emerging areas of knowledge. This has made very helpful impact on rising the number of registrations also. The primary source for such a data is web combing and other mode of communication made separately to the individuals. It is noteworthy to state here, that the Vice Chancellor of Mahatma Gandhi University has taken effective steps to collect scholars' data from the respective university departments and to provide such data to us. Other universities have not shown similar enthusiasm for this initiative. It is expected that in future, the contributions from other universities can bring significant expansion of this database.

Brain Gain -Building Up Database of Keralite Academic Diaspora around the Globe

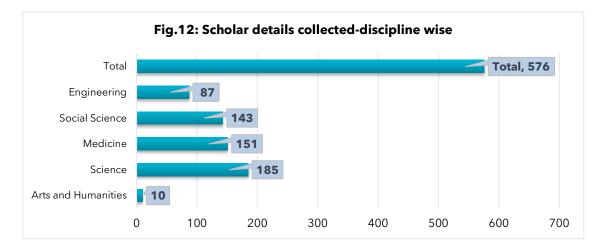
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Among the country of their institutions in which the scholars are engaged with, USA tops with a total of 325 scholars who are contacted, and followed by United Kingdom, Canada, Australia and United Arab Emirates. Out of the total number of 576 scholars spread across the world and working or associated with various domains of academic/industry related, 407 are men and 169 are women. Figure 11 shows the gender distribution among the scholar data collected. It is also noteworthy that their subject area of engagement is confined seldom with any particular subject, but mostly of interdisciplinary or multi domain character.



In general, we have categorized these subject areas in to Arts and Humanities, Engineering, Medicine, Science and Social Sciences. Figure 12 shows the chart represents discipline wise scholar details collected.



The major component of this scholar list belongs to sciences disciplines followed by Science, Social Science, Medicine, Engineering & Arts and Humanities. Except Arts and Humanities, others constitute significate share in total number of scholars.

8. Outcome of the study

The present study has made a rich resource of scholars from different areas ranging from academic to engineering, humanities to medical and particularly from the emerging areas of knowledge. The most important aspect of this database generation mechanism is that the portal is always open for those who ever willing to register their name in to this initiative. The everimproving list of scholars from abroad is enabled as part of the registering/or data capture format available on this portal attached with the website of the KSHEC.

Therefore, the database registration mechanism built up here through various method has paved way for improving the quality of this database as well as improving its utility for future course of action. Though the number of scholars registered in on the web portal is currently being a small part of the academic diaspora of Keralite origin spread across the world, its expansion is expected to be gradual and through consistent effort through wider publicity and contact. The list of associations mentioned in the report is more or less complete, and many

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organisations do function nowadays through social media network. It is important that the universities/research institutions in the state have a major role in contributing to the building up of this database.

It is also desirable to publish a roadmap /action plan for the future mode of action for utilising the database for improving quality of higher education in the state from the authoritative part of the government, so that a large number of academics, experts and scholars would be attentive/promoted to collaborate with this initiative. The responses received from many scholars in connection with this project have proven their interest and enthusiasm to engage with any academic initiatives of their home state.

The individuals & associations as per the Appendix 3 & 4 tables, need to be repeatedly contacted in future too so that many of these individuals will cooperate with this programme. The scholars registered in the portal have opted to choose or recommend their colleagues/research partners for registration. Further scope of study rests with the framing of schematic planning for the effective implementation of the database for its intended purposes.

It is pertinent to note at this point that operationalise any of the objectives envisioned in "BRAIN GAIN- database of Academic Keralite diaspora" as its utility part can send a message of trust and association among international community of scholars & professionals of Keralite origin for joining with this valuable initiative of the state government.

Conclusion

The present work could generate a database of Social Scientists, Humanities Experts, Medical Professionals, Technocrats, Economists, Environment and Management Experts working in the famous Universities and Research Institutions the world over and specializing in emerging areas of knowledge. A collection of information about scholars and professions of Keralite origin is a new initiative and forms a pivotal resource base for meeting the objectives envisaged in the project. This has been achieved through this work. A comprehensive list of diaspora organisations has also been developed. Item no. 1 & 2 of the following table is an ever-enhancing manner, which is open for registration by scholars from anywhere in the world to

register in the portal. Item no. 3 is the details collected through various resources. This also can be expanded in the future. The list of diaspora organisations is almost complete as of now.

No.	Category	No.
1	Scholars registered (abroad)	190
2	Scholars registered (within India)	100
3	Scholars database (collected)	576
4	Diaspora Association (abroad)	269

Table 2: List of categories and database population

Chapter 4

Scope of Further Study

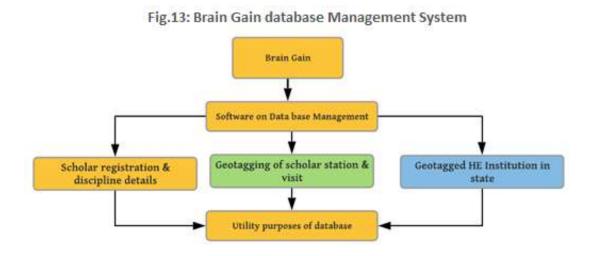
1. Future Prospects of Brain Gain

The project brain gain has two parts firstly, building up/enriching the database on time-to-time basis and secondly, database management for enhancing the quality of higher education and research in the state. Both demands and features consistent plan of action so that an effective & sustained mechanism of database utility can be achieved. Unless there is such a vibrant mechanism to systematically enhance the existing database in a real-time-basis and an effective utility of this scholar resource, the project will soon become dormant or dead. While there is ample scope for fruitful collaboration and association of these scholars of various disciplines or with their institutions abroad, this system offers mutual benefits for the stakeholder institutions and individuals in the state Higher education sector. This will eventually benefit for the quality enhancement of HE sector and to the state's knowledge capital.

- Maintaining and updation of portal facility for a minimum period of one year
- A working strategy to accomplish the database utility & the overall objective originally envisioned.
- Discipline wise & institution wise collaboration plan of data management on Real-time basis and its integration with HEIs in the state
- Eminent scholars can be picked up for Erudite-Scholar in residence programme of KSHEC. Presently scholars invited in Erudite-Scholar in Residence programme are of Nobel laureate or those with similar academic credentials.
- Device a plan for building up a panel of international experts of Keralite origin for state's policy decisions in higher education through advisory cum intellectual support
- Roadmap for of research collaborations, industry partnering etc. in broad areas of science, technology, and social sciences can be significantly influenced by the effective utilisation of this database
- Formulate a scheme for universities and affiliated colleges through which they can engage these scholars as experts for academic programmes, collaborators, and co-supervisors in researches as per the need and resources of the institutions and vice versa.

Brain Gain Database Management System

As the database is ever evolving one and can be a huge one at a point of time, an effective management system needs to be developed for practice so that the operational part of this database become fruitful. All such plan of action mentioned in the previous section can be fulfilled through a dedicated service of *Brain Gain Database Management System* using appropriate software, which can facilitate *registration by scholars, their details, instances of visit, institutions of interest in Kerala, nature of collaboration, outcome of individual activity* (this list is more descriptive) as in the Figure 13 shown below.



Such a database management will cover all the process of scholar registration and database utility services for meeting various objectives of Brain Gain project. In addition to the abovementioned utilities, the long term goal of brain gain project can be effectively translated in to practice only when a robust system of database management is formulated.

Testimonials about the project

"I will be delighted to register in the forum being a Keralite Malaylee in Australia"

Dr. Premnadh M Kurup,

School of Education College of Arts, Social Sciences and Commerce (ASSC) Melbourne Campus, La Trobe University Victoria 3086, Australia

"I will be trilled to help you and Kerala in any way I can. I had already registered in the web"

Prof. Madhavan Nair,

Dept of Immunology and Nano-Medicine Director, Institute of NeuroImmune Pharmacology College of Medicine. Florida International University 11200 SW 8th St, University Park

"This is an excellent initiative! Let me know how I can help! I look forward to hearing from you"

Kapil Chalil Madathil

Wilfred P. Tiencken Endowed Associate Professor College of Engineering, Computing and Applied Sciences Departments of Civil and Industrial Engineering, Clemson University "This is a great initiative to get connected and to contribute towards Higher education in Kerala. I completed my education in Kerala (including a Ph.D.) and have been fortunate to get a world-class education from my state of Kerala. Hence, giving back to the same community is a blessing"

Neetha Nanoth Vellichirammal School of Biological Sciences, University of Nebraska–Lincoln, Lincoln, NE 68588

"Many thanks for your email. I have done the registration. It is a great initiative. All the best for your efforts"

Dr. Brijesh Sathian

Scientist, Geriatric Medicine Department, Rumailah Hospital, Hamad Medical Corporation, Doha, Qatar, P. O.

"I will be more than happy to be a part of this initiative and I have completed registration as per your advice"

Rahul Vijay, DVM, Ph.D

Assistant Professor Center for Cancer Cell Biology, Immunology and Infection Department of Microbiology and Immunology Chicago Medical School, Rosalind Franklin

University, 3333 Green Bay Road, North Chicago

"Thank you for your email and congratulations on this great initiative to build a database of Keralite-Academic Diaspora. I will complete the registration process on KSHEC"

Sujit S. Nair, PhD Assistant Professor Director of GU Immunotherapy Research Icahn School of Medicine at Mount Sinai | Department of Urology 1468 Madison Avenue, 24-15 | New York, New York 10029

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Statement of Expenditure

	Amount received (Rs)	
1.	Order No. 130/2021/EVN/SPB dated 09-3-2021	1, 20,000
2.	Order No. 130/2021/EVN/SPB dated 06-8-2021	1, 20,000

	Expenditure						
Expenditure	Responsibility	Duration	Salary per Month	Total amount (Rs)			
Data Entry Assist	Data entry and computer jobs	6 months	Rs. 20,000 x 6	1,20, 000			
Advertisement	Current Science			23, 100			
Tariff	Economic & Politica	39, 100					
Documentation	Designing & Layout Interim & completic	50, 000					
	Stationary items	12,000					
Travel & contingen	cy (Data collection &	consultation)		20,000			
Overhead charges				10,000			
	Total expenditure						
		E	Balance to be received	34,000			

* pending to submission

Principal Investigator

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APPENDIX TABLES

Appendix Tables: KSHEC-SPB /Short-Term Project (130/2021/EVN/SPB)

Table 1

List of Scholars Registered (abroad)

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
1	Aabid Firdausi	Johns Hopkins University	USA	aabidfms@gmail.com	Labor sociology and political economy of development.	Annual
2	Abu Thahir Shah S.	Aerosystems International, Canada	Canada	abuthahirshah@gmail.com	Aerospace Manufacturing, Manufacturing Engineering	Bi-annual
3	Aby Cheruvathoor Poulose	Palacky University, Olomouc, Czechia	Czechia	abycp@yahoo.com	Material chemistry- Nanotechnology- Inorganic chemistry- Electron Microscopy	Annual
4	Ajay Nair	Iowa State University	USA	<u>nairajay@iastate.edu</u>	Sustainable vegetable production; soil fertility; reduced tillage; Cover crops; biochar as a soil amendment; integrated pest management; high tunnel vegetable crop production	Annual
5	Anand Padmanabha Iyer	Microsoft Research	USA	anand.iyer@berkeley.edu	Computer Science	Annual
6	Anil Thomas	National Health Care,	Canada	thomasanil2007@gmail.com	Research laboratory	Annual
7	Anita Menon	McGill University, Montreal, Canada	Canada	anita.menon@mcgill.ca	Rehabilitation	Rarely

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
8	Anjali Anilkumar	Technical University Braunschweig, Germany	Germany	anjali.iiser@gmail.com	Academics	Bi-annual
9	Anjith George	Idiap Research Institure, Martigny, Switzerland.	Switzerland	anjith2006@gmail.com	Biometrics- Computer Vision	Annual
10	Anju P. Johnson	University of Huddersfield	UK	anjujohnson88@gmail.com	Cybersecurity, Computational Nueroscience, Robotics, Machine learning, Artificial Intelligence	Annual
11	Anu Suprabha Raj	Kansas State University, Manhattan, Kansas, USA	USA	anusuprabharaj@gmail.com	Cereal Science	Rarely
12	Anup Karath Nair	University of Liverpool	UK	anupkarath.nair@gmail.com	Strategic Management and Innovation	Annual
13	Anup Kollanoor Johny	University of Minnesota - Twin Cities	USA	anupjohn@umn.edu	Food safety, food animal microbiology, pathogenic microbiology, poultry, antibiotic alternatives, foodborne zoonotic pathogens, vaccination, probiotics, prebiotics, postbiotics, and phytobiotics against foodborne pathogens, drug resistance	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
14	Aparna Ashok	Southern Illinois University School of Dental Medicine, United States	USA	apu.ashok.87@gmail.com	Dentistry, Endodontics	Annual
15	Arathyram R. S.	University of Birmingham	UK	a.ramachandrakurupsasikala@ bham.ac.uk	Nanotechnology, drug delivery and nanomedicine	Annual
16	Arun N. Nambiar	California State University - Fresno in California, USA	USA	anambiar@csufresno.edu	Manufacturing, Augmented Reality, RFID	Annual
17	Arun Sreekumar	Baylor College of Medicine, Houston, Texas, USA	USA	<u>asreekumar72@gmail.com</u>	Cancer Biology, Cancer Metabolism, Metabolomics, Bioinformatics, Clinical Translation, Biomarker development	Annual
18	Ashakumary Lakshmikuttyamma	Thomas Jefferson University, Philadelphia, PA, USA	USA	<u>ashakumary.lakshmikuttyamm</u> <u>a@jefferson.edu</u>	Breast cancer, Drug development, Natural Product	Annual
19	Asokan Mulayath Variyath	Memorial University of Newfoundland	USA	<u>variyath@mun.ca</u>	Quality and Productivity using Statistical techniques. Design of Experiments, Regression Models, Non-parametric methods, Bio-Statistics, etc	Annual
20	Assa Aravindh Sasikala devi	University of Oulu, Finland	Finland	asaaravindh@gmail.com	Academia, Physics, theoretical and computational Physics	Annual

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No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
21	Athulya Aravind	King's College London	UK	drathulyaaravind@gmail.com	Global Engagement- International partnerships	Bi-annual
22	Balakrishnan Naduvalath	University of Nevada, Las Vegas, USA	USA	naduvala@unlv.nevada.edu	Theoretical and Computational Chemistry	Annual
23	Beena M. Ravindran	Leibniz Institute for Plant Genetics and Crop Plant Research, Gatersleben	Germany	<u>drbeenamr@gmx.de</u>	Plant Biotechnology/Molecul ar Biology/Biochemistry	Bi-annual
24	Benita Mathew	Academic industry, University of Surrey School of Law	UK	benitarmathew@gmail.com	International tax policy, Tax theory, Accounting and finance	Bi-annual
25	Binoy Joseph	University of Kentucky	USA	<u>binjose@gmail.com</u>	Neuroscience	Bi-annual
26	Binoy Paulose Nadappuram	Imperial College London/University of Strathclyde	UK	b.paulose@imperial.ac.uk	Biosensing, Diagnostic devices, Single cell analysis, Single molecule detection	Bi-annual
27	Chandra Nair	The Chinese University of Hong Kong	China	<u>chandra@ie.cuhk.edu.hk</u>	Professor, Research Areas: Information Theory, High Dimensional Probability Theory	Annual
28	Chinchu J. U.	Boston University, Boston, Massachusetts, USA	USA	<u>chinchuj@bu.edu</u>	Pharmacology/Bioche mistry	Annual
29	D. Sakthi Kumar	Bio Nano Electronics Research Center,	Japan	drsakthi@gmail.com	Nano drug delivery against cancer cells and	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
		Graduate School of Interdisciplinary New Science, Toyo University, Kawagoe, Saitama			other diseases, Application of Artificial Intelligence in bio fields, Development of Theragnostic Materials, Nano medical devices, Sensors (Bio, Chemical and Optical), Plant Nanotechnology, Organ on a Chip, Carbon nanotubes, Graphene and diamonds, Development of bio materials	
30	Dany Varghese	University of Surrey, Guildford, UK	UK	dany.varghese@surrey.ac.uk	Machine learning and data science	Annual
31	Darlena David	London School of Hygiene and Tropical Medicine	UK	darlenadavid@hotmail.com	Public Health	Bi-annual
32	Deepa Oommen	Minnesota State University, Mankato, Minnesota, United States.	USA	deepa.oommen@mnsu.edu	Communication Studies: Intercultural Communication and Organizational Communication	Annual
33	Deepak Padmanabhan	Queen's University Belfast, UK	UK	deepaksp@acm.org	Artificial Intelligence, Machine Learning, Ethical Al	Bi-annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
34	Dhanya Nair	Chapman University, California, USA	USA	n.danya@gmail.com	Haptics, Tactile Displays, Assistive Devices	Annual
35	Dilip M. Menon	University of Witwatersrand	South Africa	dil1962@yahoo.com	South Asian History with special reference to Kerala	Annual
36	Dr. Anoop Gopinathan	Gwangju Institute of Science and Technology ((GIST), South Korea	South Korea	<u>anoopnemom@gmail.com</u> ; <u>anoop@gist.ac.kr</u>	Materials Science; Energy Materials and devices	Annual
37	Dr. Brijesh Sathian	Hamad Medical Corporation, Qatar	Qatar	drsathian@gmail.com	Geriatrics and long- term care department, Clinical research, Epidemiology, Bio- statistics, Geriatrics and long term care, and Statistical Modelling	Annual
38	Dr. Chindu Sreedharan	Bournemouth University, UK	UK	<u>csreedharan@bournemouth.ac</u> .uk	News media, journalism, disaster reporting,	Bi-annual
39	Dr. Christy Susan Varghese	College of Medical and Dental Sciences, Instititute of Cancer and Genomic Sciences, University of Birmingham, UK	UK	<u>csusanv@gmail.com</u>	Human Papillomavirus, Cervical cancer, Hepatitis B virus, Liver cancer, Virology, Cancer Biology, Infectious diseases, Oncogenic viruses	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
40	Dr. Ginu Rajan	Cardiff Metropolitan University, Cardiff, UK University of New South Wales, Sydney, Australia University of Wollongong, Wollongong, Australia	Australia	grajan@cardiffmet.ac.uk	Photonics Sensing and Engineering	Bi-annual
41	Dr. Jayakumary Muttappallymyalil	Gulf Medical University	UAE	drjayakumary@gmail.com	Community Medicine/Public Health	Bi-annual
42	Dr. Jithendran Kokkranikal	University of Greenwich, UK	UK	jithendrankj@gmail.com	Tourism and Hospitality Management	Annual
43	Dr. Jobin Jose	King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia	Saudi Arabia	jobinjose@kfupm.edu.sa	Interdisciplinary Research Center for Construction & Building Materials, Research Institute	Annual
44	Dr. Kalesh Karunakaran	Durham University, UK	UK	kalesh.karunakaran@durham.a c.uk kaleshka@gmail.com	Biological and chemical sciences	Annual
45	Dr. Krishna R. Salin	Associate Professor, Aquaculture And Aquatic Resources Management, Asian Institute of Thailand, Bangkok	Thailand	<u>salinkr@ait.asia.th</u>	Aquaculture	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
46	Dr. Kunnat J. Sebastian	University of Massachusetts Lowell	USA	<u>kunnat sebastian@uml.edu</u>	Physics	Rarely
47	Dr. M. Abdul Rahim	Nippon Kaiji Kyokai, ClassNK, Japan	Japan	marahim@btinternet.com	Ship Classification, Energy Efficiency in Marine Industry, Digitalisation, Artificial Intelligence, Decarbonisation and Alternative Marine Fuels	Bi-annual
48	Dr. Maneesha S. Mohan	Lincoln University, NZ- Department of Wine, Food and Molecular Biosciences	UK	<u>maneesha.mohan@lincoln.ac.n</u> <u>z</u>	Academics/Research	Annual
49	Dr. Manu M. Sebastian	Associate Professor, Department of Epigenetics and Molecular Carcinogenesis, Division of Basic Science Research, The University of Texas MD Anderson Cancer Center, Smithville, TX	USA	<u>mmsebastian@mdanderson.or</u> g	Cancer research, Cancer drug development, COVID19 drug development	Bi-annual
50	Dr. Mary George Varghese	University of Abu Dhabi, UAE.	UAE	marypbaby@hotmail.com	Teacher Education	Annual
51	Dr. Premnadh Kurup	La Trobe University, Melbourne	Australia	P.Kurup@latrobe.edu.au	Research-Science Education, Public understanding of Science, and scientific	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
					literacy for informed decisions.	
52	Dr. Rajesh Ganesan	Faculty at George Mason University, USA	USA	rganesan@gmu.edu	Industrial and Systems Engineering, and Operations Research	Rarely
53	Dr. Rajesh Krishnan	Providence Therapeutics Holdings Inc.	Canada	drgrkrishnan@gmail.com	mRNA-vaccines for infectious diseases and cancer. Please see the link below on our collaboration in India	Annual
54	Dr. Ranjith K. Soman	Imperial College London	UK	ranjith.k.soman@gmail.com	Industrialized construction, Construction informatics, Digital transformation, Systems thinking, Artificial Intelligence, Mixed reality in the built environment	Annual
55	Dr. Sadasivan Shaji	Facultad de Ingenieria Mecanica y Electrica (FIME) Universidad Autonoma de Nuevo Leon (UANL) San Nicolas de los Garza, Nuevo Leon, Mexico, 66455	USA	<u>sadasivan.shaji@uanl.edu.mx</u>	Nanomaterials and thin films, optoelectronics	Annual
56	Dr. Sajisha V. S.	Tokyo Institute of Technology, Japan	Japan	sajishas@gmail.com	Researcher in Organic Chemistry	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
57	Dr. Selvin P. Thomas	Yanbu Industrial College	Saudi Arabia	selvinthomas@gmail.com	Chemical Engineering, Nanotechnology	Annual
58	Dr. Shinisha Sujesh	University of Technology and Applied Sciences, Muscat, Oman	Oman	shinishacb@gmail.com	Computational chemistry, Herbal medicines, Urolithiasis, Gel-chemistry	Annual
59	Dr. Sony Jalarajan	MacEwan University, Department of Communication, Faculty of Fine Arts & Communication, Edmonton, Alberta, Canada	Canada	<u>sonyjraj@gmail.com</u>	Film Studies, Journalism & Mass Communication, Media Studies, Indian Cinema, Transnational & Cross Over Cinema, Journalism Studies, Indigenous cinema, Asian cinema	Bi-annual
60	Dr. Suraj Abraham	Precision NanoSystems Inc., Vancouver	Canada	<u>abraham.suraj@gmail.com</u>	Lipid-based nanoparticle development for Regenerative medicine and Cell therapy, mRNA-based Vaccine development for Pandemic preparedness and Rapid Pandemic Response platform development	Rarely
61	Dr. Suresh Nayar	University of Alberta; Institute for Reconstructive Sciences in Medicine	Canada	suresh.nayar@ualberta.ca	Maxillofacial Prosthodontics; Digital Design and Simulation;	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
					Al in adverse tissue reaction	
62	Dr. Unnikrishnan Karumathil	Northern Territory Geological Survey, Darwin, Northern Territory, Australia. Petroleum Data Manager	Australia	unnikrishnank@yahoo.com	Oil and gas exploration, Geologist	Annual
63	Dr. Usha Menon	Lakehead University, Orillia Campus, Ontario	Canada	umenon77@gmail.com	University education - Biochemistry, Molecular &Cellular Biology, Microbiology, Plant Biology and Applied Life Sciences	Annual
64	Dr. Vinoy Thomas	Associate Professor and Director of Graduate Programs, Department of Materials Science & Engineering, University of Alabama at Birmingham, USA.	USA	<u>vthomas@uab.edu</u>	Materials Science and Manufacturing, Biomaterials & Biomedical Devices, Nanotechnology, Environmental Science, Plasma Processing and 3D printing	Annual
65	Dr. Yunus Ali Pulpadan	National Institute for Environmental Studies, Japan	Japan	pulpadan.yunusali@nies.go.jp	Environmental Geoscience	Bi-annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
66	Elza Neelima Mathew	University of Massachusetts Medical School, Worcester, MA, USA	USA	<u>elzaneelima.mathew@gmail.co</u> <u>m</u>	Physiology- Neurological Surgery- Biomedical Sciences	Rarely
67	Femeena P V	The Pennsylvania University	USA	femi.pv@gmail.com	Water Resources Engineering	Bi-annual
68	Ganesh Kumar Karunakaran	Mississippi State University	USA	gkk27@msstate.edu	Aquaculture Economics and Marketing	Bi-annual
69	Gin Jose	School of Chemical and Process Engineering,University of Leeds,UK.	UK	g.jose@leeds.ac.uk	Photonics/integrated optics, Laser based manufacturing, Glass, Biosensors, Passive Cooling Paints	Annual
70	Gopika Gurudas	The University of Queensland IIT Delhi Academy of Research (UQIDAR)	Australia	g.gurudas@uq.net.au	Social Sciences	Monthly
71	Grinson George	Senior Programme Specialist, SAARC Agriculture Centre, Dhaka	Bangladesh	grinsongeorge@gmail.com ,	Fisheries Oceanography Marine Ecosystem studies Climate change issues in marine science	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
72	Gubash Azhikodan	Tokyo Metropolitan University, Japan	Japan	<u>gubash@tmu.ac.jp</u>	Hydraulics and Hydrology, Water Resources Management, River Basin Management, Hydro- and Morphodynamics in Estuaries, etc.	Annual
73	Harikesh S. Nair	Professor of Marketing, Graduate School of Business, Stanford University	USA	<u>harikesh.nair@stanford.edu</u>	Marketing	Rarely
74	Harikrishnan K. P.	Cornell University	USA	hk944@cornell.edu	Scanning Transmission Electron Microscopy	Bi-annual
75	Harikrishnan Parameswaran	Assistant Professor of Bioengineering, North- eastern University, Boston, MA USA	USA	<u>h.parameswaran@northeaster</u> <u>n.edu</u>	Biomedical Engineering, Respiratory physiology, Mechanobiology.	Annual
76	Indu Narayanan	Heinrich Heine University, Düsseldorf, Germany	Germany	<u>indu.narayanan@hhu.de</u> , <u>indu.manu@gmail.com</u>	Laser Plasma Physics, Laser Proton therapy	Annual
77	Jacob Thundathil	University of Calgary, Faculty of Veterinary Medicine	Canada	jthundat@ucalgary.ca	Academics: Veterinary Medicine and graduate education (training of MSc and PhD scholars) Research: Animal reproduction, Assisted reproductive	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
					technologies, Genetic conservation	
78	Jayachandran P. T.	University of New Brunswick, Canada	Canada	jaya@unb.ca	Space Science, Remote Sensing, GNSS Technology, and Artificial Intelligence	Bi-annual
79	Jayachandran V.P	University of Technology and Applied Sciences, Muscat, Sultanate of Oman	Oman	jaiwhy@gmail.com	Antibacterial development, Phytomedicine, Biodegradation, Drug resistance	Bi-annual
80	Jenu Chacko	University of Wisconsin Madison	USA	jenuvchacko@gmail.com	Fluorescence Microscopy and Opensource Tools	Bi-annual
81	Jobin Varghese	Fraunhofer IKTS, Winterbergstraße 28, Dresden Senior Scientist Fraunhofer IKTS; International Expert and Review Panel Member of NCN-Poland, ANR France	Germany	jobin.var@gmail.com	Design and fabricate industrial and technology materials processing solutions as well as products based on HTCC, LTCC, ULTCC, EMI shielding, polymer-ceramic composites and dielectric inks for present and future telecommunication applications.	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
82	Jose Rajan	Universiti Malaysia Pahang	Malaysia	rjose@ump.edu.my	Renewable Materials/Sustainability/ Energy Materials	Bi-annual
83	Joseph Cyrus	VCA Alta Vista Animal Hospital, Gloucester, Canada	Canada	dr.joseph.cyrus@gmail.com	Canine and Feline Small Animal Internal Medicine - Comparative Gastroenterology	Annual
84	Joseph Tharamangalam	Mount Saint Vincent University, Halifax, NS, Canada	Canada	joe.tharamangalam@gmail.co <u>m</u>	Sociology/Anthropolog y, Development Studies, the Kerala Model of Development	Bi-annual
85	Justin Paul	Distinguished Professor- University of Puerto Rico, San Juan, PR, USA & Editor in Chief, International Journal of Consumer Studies (Globally A ranked)	USA	profjust@gmail.com	International Business, Economics, Marketing	Bi-annual
86	K. I. Jacob	Georgia Institute of Technology, Atlanta, GA 30332	USA	karl.jacob@ptfe.gatech.edu	Mechanical Engineering, Materials Design, Bioengineering and Biosciences, Molecular Design, Membranes (filtration and fuel cells).	Annual
87	K. Sreekumaran Nair	Mayo Clinic, Rochester, MN 55902 USA	USA	nair@mayo.edu	Patient care, Research and education	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
88	Kapil Chalil Madathil	Wilfred Tiencken Endowed Associate Professor of Industrial and Civil Engineering Clemson University, Clemson, South Carolina, United States.	USA	<u>kmadath@clemson.edu</u>	Healthcare Informatics, Human Factors Engineering, Human- machine interaction.	Annual
89	Karthik Salish	Graduate Research Assistant, Purdue university	USA	<u>karthiksalish@gmail.com</u>	Agricultural and Biological engineering	Annual
90	Krishnan Kartha K.	University of Vienna, Austria	Austria	krishnankartha@gmail.com	Chemistry- Supramolecular Chemistry Stimuli Responsive Materials	Annual
91	Lekshmy Sudha Kumari	Deakin University, Australia	Australia	me.lekshmy.08@gmail.com	Biomedical Engineering - Building miniaturized devices for medical applications	Annual
92	Madhav C. Menon MBBS, MD, FACP	Yale University School of Medicine. Adjunct Associate Professor, Icahn school of Medicine at Mount Sinai	USA	madhav.menon@yale.edu	Nephrology, kidney transplantation, genetic variants and renal disease, kidney cell biology	Annual
93	Madhavan Nair	Florida International University	USA	nairm@fiu.edu	Nano-Medicine Distinguished Professor and Chair Director, Institue of	Bi-annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
					NeuroImmune Pharmacology, Associate Dean, Associate VP for Nano- Medicine.	
94	Madhu K. Nair	Texas A&M University/Dentistry	USA	nairomfr@gmail.com	Dentistry/Oral and Maxillofacial Radiology: Advanced imaging and image analysis in maxillofacial applications, radiology informatics, 3D imaging, academic dentistry, artificial intelligence application in imaging, evaluation of imaging armamentaria etc.	Annual
95	Mahesh N. Nair	Colorado State University	USA	<u>Mahesh.Narayanan Nair@colo</u> <u>state.edu</u>	Animal Production - Meat quality, safety, antimicrobial resistance	Annual
96	Manoj Kumar Eradath	Princeton Neuroscience Institute, Princeton University	USA	<u>meradath@princeton.edu</u> ; <u>manojeradath@gmail.com</u>	Cognitive Neuroscience, Memory and Attention, Neurophysiology	Rarely
97	Manoj Manuel	University of Technology and Applied Sciences, Muscat, Sultanate of Oman	Oman	<u>manojmanuelnooran@gmail.c</u> om	English Language Teaching (ELT)	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
98	Manoj Menon	The university of Sheffield, UK	UK	m.menon@sheffield.ac.uk	Agriculture, Soil, Environment, and Food	Rarely
99	Manoj Thomas	Veterinarian, Canada	Canada	manojaugestin@gmail.com	Pet animal medicine and surgery, Emergency medicine, and critical care	Annual
100	Milan K. Sadan	Gyeongsang National University, South Korea	South Korea	milanksadan001@gmail.com	Energy storage materials	Annual
101	Mini Bharathan	Biotechnology and Pharmaceutical	USA	minibharathan@gmail.com	Immuno- oncology/Engineered T cell therapy for cancer in Humans/Translational Medicine	Annual
102	Mohammed Arif P.	Laboratory for Processing of Advanced Composites Ecole polytechnique fédérale de Lausanne (EPFL) CH-1015 Lausanne Switzerland	Switzerland	<u>mhdarifp@gmail.com</u>	Working on Polymer nanocomposites, nanocellulose composites for packing applications	Bi-annual
103	Mohammed Shafeeq B.	Ministry of Works, Municipalities Affairs and Urban Planning, Kingdom of Bahrain	Bahrain	iorashafeeq@gmail.com	Marine Geophysical surveys	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
104	Muhammed Niyas Ashraf	Research and Teaching, Berlin Graduate School Muslim Cultures & Societies	Germany	<u>muhammed-niyas@bgsmcs.fu-</u> <u>berlin.de</u>	Modern Kerala History. Malayalam Literary Histories	Monthly
105	Murlidharan Nair	Professor of Bioinformatics, Department of Biology and CS/Informatics, 160E Northside hall, 1700 Mishawaka Ave, Indiana University South Bend, South Bend, Indiana 46634	USA	<u>mnair@iu.edu</u>	Bioinformatics/Comput ational Biology, Cancer Genomics	Annual
106	Nandkumar Nayar	Lehigh University, Bethlehem, PA 18015, USA	USA	nandunayar@gmail.com	Finance / Economics	Annual
107	Narayanan Menon	Department of Physics, University of Massachusetts Amherst	USA	menon@physics.umass.edu	My research and teaching is in Physics, and particularly in condensed matter physics and materials physics.	Annual
108	Naveen Surendran	Pfizer Vaccines, New York	USA	<u>Snv51@yahoo.com</u>	Vaccines, immunology, Pre-Clinical research	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
109	Navin Ramankutty	University of British Columbia	Canada	navin.ramankutty@ubc.ca	Sustainable land and food systems; climate change	Annual
110	Neetha Nanoth Vellichirammal	University of Nebraska Medical Center	USA	<u>neethav@gmail.com</u>	Biomedical research/Bioinformatics /cancer Genomics	Bi-annual
111	Nikhil Nedumpallile Vasu	British Geological Survey	UK	nikil.nv@gmail.com	Landslides forecasting and hazard assessment	Annual
112	Nipesh Palat Narayanan	University of Florence, Italy	ltaly	nipesh.ar@gmail.com	Urban studies, Urban planning, Human geography	Annual
113	Nisha Unni	University of Texas Southwestern medical center, Dallas, TX/ Hematology Oncology	USA	nishaunni01@gmail.com	Breast cancer	Annual
114	Nishana Mayilaadumveettil	New York University Langone Medical Center	USA	Nishana.bc.iisc@gmail.com	Genomics, immunology, molecular biology	Annual
115	P. K. Babu	Department of Physics, Western Illinois University, Macomb, IL 61455, USA	USA	<u>PK-Babu@wiu.edu</u>	Professor, Department of Physics	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
116	P. K. Ramachandran Nair	University of Florida, Gainesville, Florida 32611, USA Professor School of Forest, Fisheries, and Geomatics Sciences PO Box 110410, University of Florida, Gainesville, FL 32611	USA	<u>pknair@ufl.edu</u> http://www.sfrc.ufl.edu/people /faculty/nair Wikipedia: <u>https://en.wikipedia.org/wiki/P</u> <u>. K. Ramachandran Nair</u>	Agriculture and Natural Resources	Annual
117	Parameswar Harikumar	University of Tulsa and the Oklahoma Photovoltaic Research Institute	USA	<u>hari@utulsa.edu</u>	Works with NASA, Nanotechnology, Solar cell Research	Annual
118	Prabeesh Punathil	University of Verona, Italy	Italy	prabeesh.punathil@univr.it	Physics-Material Science.	Bi-annual
119	Pradeep Chaluvally Raghavan	Medical College of Wisconsin	USA	pchaluvally@mcw.edu	1. Functional Genomics in Cancer Research with a focus on breast, ovarian and lung cancer. 2. Aberrant translational regulation (protein synthesis) in cancer cells. 2. Developing monoclonal antibodies and small molecule inhibitors to treat cancer. 3. Identifying novel biomarkers that	Bi-annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
					could predict the outcome of breast, ovarian and lung cancers.	
120	Prasanth George	Northeastern University, Boston, MA, USA	USA	p.george@northeastern.edu	Mathematics, Mechanical Engineering	Annual
121	Prasanth Valayamkunnath	National Center of Atmospheric Research (NCAR), USA	USA	pvk03@vt.edu	Climate Change, Flood Forecasting, Hydrology, Water Resources, Weather Forecasting, and Agriculture.	Bi-annual
122	Prasoon Ambalathankandy	Research Center For Integrated Quantum Electronics, Hokkaido University	Japan	amprasoon@gmail.com	CMOS Image Sensor, High Dynamic Range Imaging, Human Visual System, Neuroscience	Annual
123	Prof. (Dr.) Gopinathan M. Anilkumar	Visiting Professor, Institute of Innovative Research (IIR), Tokyo Institute of Technology, Japan Deputy General Manager, Research & Development Center, Noritake Co., Ltd. Japan	Japan	gmakumar@gmail.com ; gopinathan.a.aa@m.titech.ac.j p ; ganilkumar@n.noritake.co.jp	Major field : Chemistry: Areas : Inorganic Materials : Nano Metal Alloy Catalysts; Nano Metal Paste, Fuel Cells Current Area : Development of Advanced Materials for Energy Devices; Fuel Cells, Hydrogen/Oxygen production- Electrochemical Water Electrolyzers &	Bi-annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
					Biomass-waste utilization	
124	Prof. Balakrishnan R Nair	The University of Newcastle, Australia Hunter Health, Newcastle , Australia	Australia	kichu.nair@newcastle.edu.au	Medicine, Geriatrics, Medical Education	Annual
125	Prof. Dr. Ramesh T. Subramaniam	Universiti Malaya, Kuala Lumpur, Malaysia	Malaysia	<u>ramesh@um.edu.my</u>	Materials Science (Polymers; Energy; Sustainable Cities etc)	Rarely
126	Prof. Jayadevan Sreedharan	College of Medicine, Gulf Medical University, Ajman, United Arab Emirates	UAE	drjayadevans@gmail.com	Epidemiology and Biostatistics	Bi-annual
127	Prof. Mohan Jacob	James Cook University, Queensland, Australia	Australia	Mohan.Jacob@jcu.edu.au	Biomaterials and electronic and biomedical device	Annual
128	Professor Parvati Nair	Queen Mary University f London	UK	p.nair@qmul.ac.uk	Migration, cultural studies, visual culture	Rarely
129	Pulari Nair	Danone North America, Sr. Product Developer; Beverage Solutions at Danone Denver Metropolitan	USA	<u>pularinair@gmail.com</u>	Research and Innovation activities related to plant based food	Rarely

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
130	Radh M. Achuthan	Prof. of Physics, Long Island University, Brooklyn, N,Y,	USA	mmna30@gmail.com	Research: Human Resource Development	Rarely
131	Rahul Vijay DVM, Ph.D	Rosalind Franklin University of Medicine and Science	USA	<u>rahul.vijay@rosalindfranklin.ed</u> <u>u</u>	Malaria Immunology	Annual
132	Rajesh Kumar	Centre for Climate Research Singapore	Singapore	rajeshckl@gmail.com	Weather and Climate	Annual
133	Rajesh Menon	University of Utah	USA	rmenon@eng.utah.edu	Nanotechnology, Photonics, Optics, Machine learning	Rarely
134	Rajiv Krishnan Kozhikode	Simon Fraser University, Burnaby	Canada	<u>rajiv_kozhikode@sfu.ca</u>	Business, State, and Society	Bi-annual
135	Raju Parakkal	Associate Professor of International Relations, Thomas Jefferson University, Philadelphia, PA 19144	USA	raju.parakkal@jefferson.edu	International Political Economy	Annual
136	Ranjith Ramanathan	Oklahoma State University, USA	USA	<u>ranjith.ramanathan@okstate.ed</u> <u>u</u>	Meat Science, Food Science, Sustainability	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
137	Rathul Nath Raveendran	Sungkyunkwan University, South Korea	South Korea	<u>rathulnath.r@gmail.com</u>	Theoretical physics, cosmology, gravity	Annual
138	Remya P. Narayanan	KSGI, Asst. Prof., WPI, US, Affiliate research Assistant, PhinixLLC, Ohio, Independent researcher	USA	pnremya@gmail.com	Recovery & Recycling of rare earth metals, Inorganic Chemistry, Nanomaterials	Bi-annual
139	Reny Thankam Thomas	Lulea University of Technology, Sweden	Sweden	reny.thankam.thomas@ltu.se	Nanomaterials	Annual
140	Resmi Ravindran	University of California, USA (Project Scientist)	USA	rravindran@ucdavis.edu	Immunology, Infectious diseases, Virology	Annual
141	Robin Augustine	Qatar University, Doha, Qatar	Qatar	robinaugustine9@gmail.com	Tissue engineering, Biomaterials development, Artificial skin development, Nanomedicine, 3D bioprinting, Diabetic wound healing, Natural fiber reinforced polymer composites	Annual
142	Roy Eappen	McGill University, Montreal, Canada	Canada	eapr9@rogers.com	Endocrinologist	Bi-annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
143	Saifudeen Ismael	University of Tennessee Health Science center, Memphis Tennessee, USA	USA	<u>saife07@gmail.com</u>	Neuroscience Research	Annual
144	Saji George	McGill University, Montreal, Canada	Canada	<u>saji.george@mcgill.ca</u>	Sustainable Nanotechnology for Food and Agriculture	Annual
145	Sajid Fazal	Japan Advanced Institute of Science and Technology, Nomi	Japan	<u>f.r.sajid@gmail.com</u>	Polymeric Bionanomaterials	Annual
146	Sam Mathew	University of Edinburgh, Scotland, UK	UK	sam710@gmail.com	Green Chemistry, Biocatalysis	Annual
147	Samarchith P. Kurup	University of Georgia	USA	<u>samar@uga.edu</u>	Immunology, cellular biology, vaccines, malaria	Rarely
148	Sanish Sathyan	Albert Einstein college of medicine, 1300 Morris Park Ave, Bronx, NY 10461, United States	USA	sanish235@gmail.com	Research-aging biology	Annual
149	Sarada B. S.	RIKEN, RIKEN BDR Developmental Biology Bldg.D, 2-2-3 Minatojima- minamimachi, Chuo-ku, Kobe, Hyogo	Japan	<u>sarada.bs@gmail.com</u>	Assistance of composition and comprehension of semantically structured documents matchmaking and	Annual

Appendix Tables: KSHEC-SPB /Short-Term Project (130/2021/EVN/SPB)

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
					consensus formation by semantically structured documents	
150	Saritha Pandyat	Stantec, USA	USA	spandyat2014@gmail.com	GIS analysis, database management and Floodplain mapping	Bi-annual
151	Sarosh Kuruvilla	Cornell University	USA	<u>sck4@cornell.edu</u>	Labor Studies	Annual
152	Satish Chandra	Johns Hopkins Medicine Affiliate (USA) Tawam Hospital	USA	Satchi2000@outkook.com	Oncology and public health	Bi-annual
153	Satish Nambisan	Nancy and Joseph Keithley Professor of Technology Management, The Weatherhead School of Management, Case Western Reserve University, Cleveland, Ohio US	USA	<u>satish.nambisan@case.edu</u>	Business; Innovation; Digital Transformation; Entrepreneurship	Rarely
154	Sayoob Hameed Vadakke Chanat	Université du Littoral Côte d'Opale, Wimereaux, France	France	<u>sayoob@gmail.com</u>	Ocean Optics and Remote Sensing	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
155	Seby Jacob	McGill University / CurbFlow, Montreal, Quebec	Canada	sby.jcub@gmail.com	Deep Learning / Artificial Intelligence	Annual
156	Shabeesh Balan	Laboratory for Molecular Psychiatry, RIKEN Center for Brain Science, Saitama, Japan Department of Psychiatry & Behavioral Sciences, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan	Japan	shabeeshbalan@gmail.com	Molecular Genetics, Biological Psychiatry, Neuroscience	Bi-annual
157	Shankar Ekkanath Madathil	University of Sheffield	UK	<u>s.madathil@sheffield.ac.uk</u>	Micro electronics, Semiconductors, power microelectronics, power electronics	Annual
158	Shilpa M.	University of Illinois Chicago	USA	shilpaparthan@gmail.com	Anthropology	Annual
159	Siby Sebastian Ph.D., DABMG, DABCC, NYCOQ	Professor of Pathology, Duke University Medical Center Laboratory Director, Clinical Molecular Diagnostics Laboratory Associate Director, Division of	USA	<u>sebast11@hotmail.com</u>	comprehensive clinical molecular biology/genetics research, diagnostic testing, teaching and administrative experience including	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
		Molecular Pathology, Genetics, and Genomics (MPGG) Department of Pathology and Clinical Laboratories Duke University Health System Clinical Laboratories Room 0212, Wadsworth Bldg.2351, Erwin Rd. Durham, NC-27705 USA			direct hands-on and/or supervisory experience in reviewing and verifying clinical test results; development, optimization, validation, implementation, and quality assurance (QA and cQI) of nucleic acid based clinical molecular assays	
160	Siddharth Menon	University of Wisconsin- Madison, USA	USA	sidmen@gmail.com	Urbanization and Economic Development	Annual
161	Sindhu C. Pillai	Toyo University, Japan	Japan	<u>sindhu.09@gmail.com</u>	Bio-Nanotechnology: Specialized in Cancer biology and Cardiology	Annual
162	Sindhu Indira Murukappan	Civil Engineering, Ministry of Works, Bahrain	Bahrain	<u>sindhuimthripthi@gmail.com</u>	Highway Design Quantity Surveying	Annual
163	Sindhu Jose, Ph.D.	Texas A&M University/Texas A&M Engineering Experiment Station	USA	sindhujosekalluvilayil@gmail.c om	Language Editor in Science & Engineering / Research Development / Proposal Development	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
164	Sreekanth Narayanaru	Tokyo Institute of Technology, Tokyo, Japan	Japan	sreekanthkollur@gmail.com	Electrochemistry, Electrocatalysis, CO2 reduction, Hydrogen generation, Renewable energy	Annual
165	Sreela Sasi, Ph.D.	Gannon University, Erie, PA 16541, USA I took retirement and moving back to Cochin in 2022.	USA	<u>sreelasasi@gmail.com</u>	Data Science, Computer Vision, Artificial Intelligence	Bi-annual
166	Sreenath Chalil Madathil Ph.D.	The University of Texas at El Paso	USA	schalil@utep.edu	Industrial Engineering	Annual
167	Sreeprasad T. Sreenivasan	The University of Texas at El Paso	USA	sreenivasan@utep.edu	Chemistry/ Material Science/Energy	Annual
168	Sruthi Herbert	University of Edinburgh	UK	<u>sruthi.herbert@gmail.com</u>	The utilisation of Social Welfare Funds such as BOCW	Annual
169	Suchithra Padmajan Sasikala	Korea Advanced Institute of Science and Technology (KAIST)	South Korea	suchithra@kaist.ac.kr	Material Science and Engineering	Annual
170	Sudheeran Pradeep Kumar	Agriculture Research Organization (ARO), Israel.	Israel	pradeepkumar2k@gmail.com	Plant Pathology (Horticulture- fruits)	Bi-annual
171	Sudhin Thayyil	Imperial College London, Room 529 Hammersmith	UK	<u>s.thayyil@imperial.ac.uk</u>	Neonatal Medicine (Developing new methods for preventing	Bi-annual

Appendix Tables: KSHEC-SPB /Short-Term Project (130/2021/EVN/SPB)

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
		House, Du Cane Road, London W12 0HS			and treating brain injury in babies)	
172	Suja Pradeep	Al Khawarizmi International College (KIC), Abu Dhabai	UAE	<u>suja.pradeep@khawarizmi.co</u> <u>m</u>	Industry - Higher Education Research - Digital Transformation/Circular Economy Academics - Economics, Entrepreneurship, Strategic Management	Rarely
173	Sumesh Ramachandran Nair	Australian Institute of Business, Adelaide, Australia.	Australia	sumesh.nair2021@gmail.com	Marketing, Sustainability, Pro- environmental behaviours, Green business, Environmental issues, Ethical Marketing, Climate Change issues.	Annual
174	Suni Ebby	Gulf Medical University	UAE	suniebbys@gmail.com	Biomedical Sciences	Bi-annual
175	Sunila Pradeep	Medical college of Wisconsin, WI, USA	USA	sunilaes@gmail.com	Ovarian cancer research	Bi-annual
176	Surendranath Suman	University of Kentucky, Lexington KY 40546, USA	USA	<u>spsuma2@uky.edu</u>	Research and Teaching in: (1) Meat Science, (2) Food Science	Rarely

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
177	Suresh George	Coventry University	UK	suresh.george@coventry.ac.uk	Pragmatic Global Strategy International Business Pedagogy, Open Educational Resources and Research-informed teaching, Market entry consultancy projects for SMEs	Annual
178	T.V. Paul	McGill University, Montreal, Quebec	Canada	<u>t.paul@mcgill.ca</u>	International Relations/Political Science. Note I was an Erudite Fellow in 2016.	Annual
179	Thomas Oommen	Michigan Technological University,1400 Townsend Drive,Houghton,Ml 49931,USA	USA	<u>toommen@mtu.edu</u>	Geotechnical Engineering, Geology, Geological Engineering, Geohazards, Landslides, and Floods.	Annual
180	Thomas Thundat	University at Buffalo, The State University of New York	USA	tgthunda@buffalo.edu	Chemical Engineering, Chemical and Biological Sensor development	Annual
181	Thottumkara K. Vinod	Western Illinois University	USA	<u>tk-vinod@wiu.edu</u>	Synthetic methodology (organic synthesis), green chemistry, hypervalent iodine reagents,	Annual

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
182	Tiby Kuruvila	Pinmicro KK , [IoT based real time location system]	Japan	tiby@pinmicro.com	Working in an Al powered IoT system to analysis and optimize performance of Business Assets, mainly used in hospitals, factories and logistic industries	Bi-annual
183	Uma Sankar	Indiana University School of Medicine	USA	usankar@iu.edu	Orthopaedics research - specifically basic and translational biomedical research in bone and cartilage aimed at discovering novel therapeutic mechanisms in osteoporosis, bone healing, bone metastatic prostate cancer and post- traumatic osteoarthritis.	Annual
184	Umesh Neettiyath	The University of Tokyo	Japan	umesh.neettiyath@gmail.com	Underwater Robotics	Annual
185	Unnikrishnan Payyappalli	United Nations University, Tokyo; Transdisciplinary University, Bengaluru	Japan	unnipm@gmail.com	Public Health, AYUSH, Ayurveda, Traditional Knowledge, Sustainability studies	Monthly

No	Name of the Scholar	Institution attached	Country	Email	Broad area	Frequency of visit
186	Vanaja Menon Vadakepat	New York Institute of Technology	USA	<u>drmenonvadakepat@gmail.co</u> <u>m</u>	Marketing	Annual
187	Venugopal Nair	Pirbright Institute (https://www.pirbright.ac.u k/users/prof-venugopal- nair-obe) Department of Zoology, Oxford University (https://www.zoo.ox.ac.uk/ people/professor- venugopal-nair)	UK	<u>venugopal.nair@pirbright.ac.u</u> <u>k venugopal.nair@zoo.ox.ac.uk</u>	Academic researcher for 30 years working in the area of virology, cancer and vaccine development	Bi-annual
188	Vidya Kalaramadam	William Paterson University of New Jersey	USA	vidkal@gmail.com	Social Sciences - Gender Studies - Community Development	Annual
189	Vimala Nair	University of Florida	USA	<u>vdn@ufl.edu</u>	Soil processes that affect the fate and transport of phosphorus; the benefits and challenges of land application of biochar; carbon sequestration in agroforestry systems.	Annual
190	Vishnu Muraleedharan Saraswathy	Washington University in St Louis, MO, USA	USA	vishnums007@gmail.com	Spinal cord regeneration	Annual

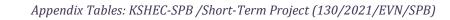


Table 2

List of Scholars registered (within India)

No	Name of Scholar	Institution	email id	Area of specialisation
1	Abhijith Jose	World Health Organization- India	abhijithjose111@gmail.com	Tata Institute of Social Sciences-Social Epidemiology
2	Ajay Peethambaran	Class NK/Maritime Industry, Japan	ajayshiptec@gmail.com	Policies for low carbon and sustainable maritime industry
3	Ajil M.	Centre for Development Studies (CDS), Trivandrum	ajilmankunnummal@gmail.com	Applied Economics
4	Anand B.	Narsee Monjee Institute of Management Studies-Mumbai	anandbpu@gmail.com	Economics
5	Aswathy Rachel Varughese	Institute for Social and Economic Change (ISEC), Bangalore	iamaswathyvarughese@gmail.com	Development Economics, Macroeconomics, Environmental Economics
6	Babu Koshy Konnayil	Multinational Financial Institution	babukk@gmail.com	Financial Industry/APAC Regional Management/Information Technology/Datacenter Management/IT Continuity
7	Beena K.	Ktctct College of Arts and Science	beenaradhakrishnan73@gmail.com	BA political science
8	Biju Dharmapalan	Vigyan Prasar, Department of Science & Technology, Govt. of India	bijudharmapalan@gmail.com	Science Communication

No	Name of Scholar	Institution	email id	Area of specialisation
9	C.P. Safvan	Inter University Accelerator Centre, New Delhi	cp.safvan@gmail.com	Atomic and Molecular Physics, Accelerator Physics
10	C.S. Siva Prasath	Synthite Industries Ltd, Kerala	sivaprasath@synthite.com	Vaccine, Food industry
11	Deva Prasad M.	Indian Institute of Management Kozhikode	devaprasadm@gmail.com	Law (Environmental law, Human rights and Business law), Governance and Regulatory Governance
12	Dhanaj K.M.	Start up and Incubator/Accelerator	dhanajkris@gmail.com	Innovation and Entrepreneurship
13	Dr. Kishor Mohanan	CSIR - Central Drug Research Institute, Lucknow	kishor.mohanan@cdri.res.in	Chemical and Pharmaceutical
14	Dr. Moitreyi Banerjee	Department of Zoology, University of Goa, University of Goa	bmoitreyi@gmail.com	Molecular biology, aging, neuroscience and neuro- endocrinology. Have done extensive research in the area of proteomics, neuro- endocrinology and neuroscience.
15	Dr. Babitha Rani	ICAR-Central Institute of Fisheries Education, Mumbai	babitarani@cife.edu.in	Aquaculture
16	Dr. Balasubramanian C.P.	Central Institute of Brackishwater Aquaculture (ICAR),Tamil Nadu	CP.Balasubramanian@icar.gov.in	Fish and Fisheries Science

No	Name of Scholar	Institution	email id	Area of specialisation
17	Dr. Gireesh Kumar T.K.	Department of Library and Information Science, Banaras Hindu University, Varanasi, PIN: 221005, Uttar Pradesh	gireesharci@gmail.com	Open Source Integrated Library Management System, Open Education Resources, Cultural Heritage Information System, Electronic Resource Management System
18	Dr. Guruvayoorappan C.	Regional Cancer Centre, Thiruvananthapuram	gururcctvm@gmail.com	Cancer research; Drug Delivery
19	Dr. K.Suthindhiran	Vellore Institute of Technology, Vellore, Tamilnadu	sudhindhira@gmail.com	Diversity and exploitation of marine microorganisms
20	Dr. Kuriakose Mathew	Social Sciences, Amity University Kolkata	mathew.kuriakose83@gmail.com	Social Sciences.
21	Dr. M.A.Jayasri	Vellore Institute of Technology, Vellore, Tamilnadu	jayasri.mangalam@gmail.com	Pharmacological evaluation of terrestrial and marine natural products including plants and algae
22	Dr. M. Jayanthi	Indian Agricultural Research Institute, Pusa, New Delhi	jayman21@gmail.com	Plant tissue culture, Genetic engineering, Research administration
23	Dr. Manu Lopus	UM-DAE Centre for Excellence in Basic Sciences, Mumbai	manu.lopus@cbs.ac.in	Nanomedicine, Cancer Biology, Herbal Medicine
24	Dr. P.C. Abhilash	Senior Assistant Professor in Sustainability Science,	pca.iesd@bhu.ac.in	Agroecosystem Specialist Group of IUCN-Commission on Ecosystem Management.

No	Name of Scholar	Institution	email id	Area of specialisation
		Institute of Environment & Sustainable Development, Banaras Hindu University, Varanasi, India		He is a fellow of the National Academy of Agricultural Sciences, India.
25	Dr. R. Alexandar	Independent Researcher (Currently)	enviroalexandar@gmail.com	Ecology & Environmental Sciences
26	Dr. Rajendran K.V.	Aquatic Environment and Health Management Division ICAR-Central Institute of Fisheries Education, Versova Andheri west, Mumbai, 400061	kvrajendran@cife.edu.in	Aquatic Animal Health Management
27	Dr. Sherly Tomy	Principal Scientist Nutrition, Genetics and Biotechnology Division ICAR- Central Institute of Brackishwater Aquaculture MRC Nagar, Raja Annamalai Puram Chennai, Tamil Nadu 600028	Sherly.Tomy@icar.gov.in	Crustacean Molecular Endocrinology
28	Dr. T.H. Ansar	Academy of Prisons and Correctional Administration Vellore	ansarhameed83@gmail.com	Research and Training in Corrections, Criminology and Human Rights
29	Dr. Vijay Subhash Yeul	Chandrapur Super Thermal Power Station, MSPGCL, (Govt. of Maharashtra u/t)	vijay.yeul@gmail.com	Chemistry & Environment
30	Dr. Vikram Gopalakrishn Pillai	Department of Biophysics, Institute of Medical Sciences, Banaras Hindu University, UP 221005	vgpillai@bhu.ac.in	Biophysics, Structural Biology

No	Name of Scholar	Institution	email id	Area of specialisation
31	Dr. Vineeth Sahadevan	St. Claret College, Bengaluru	vineethsahadevan@gmail.com	Anthropology/Sociology
32	Dr.K.S.Nandakumar , Ph.D	Independent and freelance . Previously with PGIMER, Chandigarh, DBT-NCCS, Pune, Zydus Research Center, Zydus Cadila, Himalaya Drug Company, Bangalore, ITC LSTC, ITC Limited , Bangalore	nandk6@hotmail.com	Biomedical Research various human health conditions, In vitro Biology and Animal Tissue and Cell Culture for pre-clinical research, New Drug Discovery Research, Herbal Drug Bio-assays, Functional Food Research, Personal care product research, Clinical Research, Collaboration
33	Dr.Pawan Deorao Tayade	Sant Gadage Baba Amravati University, Maharastra	pawantayade2014@gmail.com	Dr. Ambedkar on Human Rights, Social justice
34	Eluvathingal D. Jemmis	Indian Institute of Science, Bangalore	jemmis@iisc.ac.in	Theoretical chemistry
35	Golda K.S.	Inter University Accelerator Centre, New Delhi	goldaks@gmail.com	Nuclear Physics
36	Gopalakrishnan Menon	SRH Nutritions LLP,Vadodara	gopalakrishnan2k5@gmail.com	Biotechnology/Life Sciences/Pharma
37	Hashir Sheheem	Tata Institute of Social Sciences, Mumbai	hashirshaheem@gmail.com	Psychology & Minority Mental Health

No	Name of Scholar	Institution	email id	Area of specialisation
38	Indira Rani S.	NCMRWF, Ministry of Earth Sciences, Noida, Uttar Pradesh	indirarani.s@gov.in	Satellite data processing and assimilation for Numerical Weather Prediction
39	Jishnu B.K.	Geological Survey of India, Mangalore	jishnu.gsi@gmail.com	Offshore Marine Survey and Exploration
40	Kavitha Sankaranarayanan	AU-KBC Research Centre, MIT Campus, Anna University, Tamil Nadu	skavitham@yahoo.com	Electrophysiology, Drug Discovery, Membrane Biology, Ion channels, Agricultural Biology
41	Kiran Johnson	MIT-World Peace University, Pune	kiranjohnson9@gmail.com	Social Sciences
42	Krishnakumar S.	Sri Venkateswara College, University of Delhi	skkumar@svc.ac.in	Macroeconomics, International Economics
43	Manas M.	Wadia Institute of Himalayan Geology (WIHG), Dehradun	manas.kurup@gmail.com	Geological Research
44	Mini Thomas P.	Dept. of Economics & Finance, Birla Institute of Technology and Science (BITS) Pilani, Hyderabad Campus, India	minithomas26@gmail.com	Economics
45	Mr. Jlibin K.P.	School of Chemical Sciences, Mahatma Gandhi University, Kerala	jibinkp999@gmail.com	Chemistry
46	Muhammed Afzal P.	Department of Humanities and Social Sciences, Birla Institute of Technology	muhammedafzalp@gmail.com	Popular culture in Asia, Intellectual and Cultural History of the Left in India,

No	Name of Scholar	Institution	email id	Area of specialisation
		and Science, Pilani (BITS Pilani), Rajasthan		Language Politics, and Kerala Studies.
47	P. Sugathan	Inter-University Accelerator Centre, New Delhi	Sugathan@gmail.com	Experiments in Nuclear Physics using Particle Accelerator
48	Reno Isaac Philip	FinTech	FinTech renoiphilip@gmail.com	
49	Sajan Daniel George	Manipal Academy of Higher Education, Karnataka, India		
50	Sandhya Misra	Birbal Sahni Institute of Palaeosciences, Lucknow	sandhyabsip@gmail.com	Quaternary Palaeoclimate and palaeovegetation study using Palynology (pollen, diatoms and phytolith data)
51	Sankar Varma	Department of Economics,Christ (Deemed to be University),Hosur Road, Dharmaram Post,Bengaluru,Karnataka 560029	sankarvarma93@yahoo.com	Economics (Political Economy, Marxian Economics, Urban Development and Exclusion)
52	Sarga T.K.	CSRD/JNU, New Delhi sargatk.tk@gmail.com		Geography
53	Sathees Raghavan	Indian Institute of Science, Bangalore	sathees@iisc.ac.in	Research Cancer Biology, Molecular Biology

No	Name of Scholar	Institution	email id	Area of specialisation
54	Seema Purushothaman	Azim Premji University,Bangalore	seema.purushothaman@apu.edu.in	Environmental Economics, Agrarian Studies, Education for Sustainability
55	Sonaj K.	University Of Delhi	skailas@libinfosci.du.ac.in	Library & Information Science
56	Sreekanth Gopinathan Pillai	CSIR-Indian Institute of Chemical Technology (CSIR-IICT), Hyderabad, India	sreekanthsreebhavan@gmail.com	Virology
57	Srinivasa R.	Narayana Institute for Medical and IIT Academy	vasavenu28@gmail.com	Teaching
58	Suja Pradeep	Higher Education	sujapradeep2020@gmail.com	Higher Education
59	Sunil Paul	Indian Institute of Technology Goa	sunilpaul29@gmail.com	Economics, Applied Econometrics, Data Science
60	Umadevi V.M.	Education	umadvm@gmail.com	Special Education Administration
61	Muneer Illath	Sociology, University of Allahabad	muneerillath@gmail.com	Migration Studies, Development Studies, Sociology of Religion, gender studies, social demography
62	Sapni G.K.	Research Analyst, Takshashila Institution, Bengaluru	sapnigk@gmail.com	High Tech Geopolitics Programme

No	Name of Scholar	Institution	email id	Area of specialisation
63	Leya Mathew	Ahmedabad University	leyamathew@gmail.com	Anthropology/Sociology and Education
64	Ajsal E.A.	Indian Institute of Technology Madras	ajsal.ea@gmail.com	Sociology, Literature
65	Jyothi Basu R.	University of Hyderabad	jyothibasur5@gmail.com	Human rights, Social exclusion, Discrimination, Gender and Marginalization, Women in fishery and policy challenges.
66	Anand P. Krishnan	Visiting Associate Fellow, Institute of Chinese Studies, Delhi	anand.p.krishnan@gmail.com	Chinese Politics, China Studies, Labour Relations in China and India
67	Carmel Christy	University of Delhi	christy.carmel@gmail.com	Media studies Gender studies Urban studies
68	Gopakumar K.U.	Sri Sathya Sai Institute of Higher Learning	gopakumarku@gmail.com	Economics, Econometrics, Structural Macroeconomic Modelling
69	Sidharth Sudheer	Tiger Analytics	sidcoolloyolite@gmail.com	Data Analysis
70	Lelith Daniel	Symbiosis International (Deemed University)	lelithdaniel@gmail.com	Academics/ Community Outreach and Extension Activities Research areas- Rural Development
71	Sudarshan Kottai	Ahmedabad University	kottai.psy@gmail.com	Migrant workers and mental health, LGBTQI+ Rights,

No	Name of Scholar	Institution	email id	Area of specialisation
				Qualitative Methods In Psychology, Anthropology Of Mental Health, Community Mental Health Programmmes
72	Aparna Jith	University of Hyderabad	aparnajith@gmail.com	Translation Studies
73	Dr. Anson C.J.	Cochin University of Science and Technology(CUSAT)	Ansoncj@cusat.ac.in	Academic
74	Dr. Shiju Sam Varughese	Central University of Gujarat, Gandhinagar	shijusam@gmail.com	Social sciences/Science, Technology and Society Studies
75	Dr. Jomy Abraham	Jawaharlal Nehru University	jomymanalil@gmail.com	English Language and Literature
76	Anu Kuriakose	SRM University AP	anukanu.29@gmail.com	Transgender Studies
77	Mary Kuriakose	National Institute of Technology	marykuriakose26@gmail.com	Behavioral Economics, Consumer Psychology
78	Ruksana	University of Calicut, Department of Economics ,Dr. John Matthai Centre Thrissur	ruksanaparokot@gmail.com	Economics
79	Jabin Thomas Jacob	Associate Professor, Department of International Relations & Governance Studies, Shiv Nadar University, Delhi NCR	jabin.jacob@snu.edu.in	Chinese politics, Chinese foreign policy, International Relations

No	Name of Scholar	Institution	email id	Area of specialisation
80	Viju V. V.	Indian Institute of Technology Madras, Chennai	viju02ap@gmail.com	Film/Fashion/Cultural Studies
81	Dr. R.Santhosh	Department of Humanities and Social Sciences, IIT Madras, Chennai		Sociology. Sociology of Religion, Islam, Ethnic mobilization, Social movements, Development
82	Hassan Shihab	Jamia Millia Islamia	hasanqr@gmail.com	Social Work
83	Sreekesh K.	Indian Institute of Technology, Madras		
84	Amritha Mohan	University of Hyderabad	amrithamohan155@gmail.com	Media and Cultural Studies, Communication Studies, Sports Studies
85	Vijeesh V.J.	Scott Christian College (Autonomous) Nagercoil, Tamil Nadu	vijeeshvijayan600@gmail.com	Rural Development
86	Vivek Noble	Centre for South Asian Studies, Pondicherry University	viveknoble@gmail.com	Climate Change and Migration
87	Dr.Rohini Sreekumar	Independent Researcher	luk4rohini@gmail.com	Media, Journalism, Film Studies
88	Nijin I.S.	IIT Madras: PhD in Solid Mechanics Currently working in Schlumberger as Modeling & Simulation Engineer	nijinis.91@gmail.com	Solid Mechanics (Specialised in failure of materials)

No	Name of Scholar	Institution	email id	Area of specialisation
89	Dr. P.K.Yasser Arafath	Department of History, University of Delhi	yasserhcu@gmail.com	History of Science and Technology, South Indian History, Cultural History of Islamic Communities, Vernacular Histories
90	Arunan.M.C.	Kishore Bharati	mcarunan@gmail.com	CUBE Collaboratively Understanding Biology Education
91	Dr. Jafar K.	Madras Institute of Development Studies,#79, 2nd Main Road, Gandhi Nagar, Adyar, Chennai, Tamil Nadu 600020	jafkizha@gmail.com	Education and development, Migration, Human Development, Social policy, Gender, Financial Inclusion, IPRs
92	Vivek M.	Indian Institute of Astrophysics, Bangalore	getkeviv@gmail.com	Astronomy and Astrophysics
93	Sujayasree O.J.	ICAR-Indian Agricultural Research Institute,New Delhi	sujaya.iari2016@gmail.com	Horticulture-Postharvest Technology
94	Hariprasad M.G.	Institute for Plasma Research	hari.prasad@ipr.res.in	Experimental Plasma physics, MATLAB, IDL coding.
95	Nisar A.C.	Researcher, Philosophy, IIT Bombay	nizarac@gmail.com	Philosophy; Phenomenology, Dialectics, Social and Political Philosophy, Social ontology, Social and institutional fragility

No	Name of Scholar	Institution	email id	Area of specialisation
96	Urmila Unnikrishnan	Jawaharlal Nehru University, New Delhi	Urmila.unnikrishnan@gmail.com	Social history of Science in Colonial Kerala
97	Sandhya M. Das			Financial Inclusion, Finance and Development
98	Dr. Santhosh Kumar P.K.	Cochin University of Science and Technology	s.kumar@cusat.ac.in	Economics, Tourism and Fisheries
99	Vivek G. Babu	Indian Institute of Technology (ISM), Dhanbad	vivekgbabu@gmail.com	Geophysics /Seismology
100	Dr. Jayachandran P. R.	Cochin University of Science and Technology	jayachandranpr@cusat.ac.in	Marine Ecology, Bioinvasion, Invasive species, Marine Pollution

Table 3

List of Scholars (Abroad)-Collected

No.	Name of Scholar	Institution Attached	Country	Broad area of expertise	Email id
1	Aarathi Prasad	Office: CIS 240B, Skidmore College, 815 North Broadway, Saratoga Springs, NY 12866	USA	Computer Science	aprasad@skidmore.edu
2	Abdu Sadik Kunnath	Department of General Education at Gulf Medical University, Ajman, UAE	UAE	Islamic Studies	abdu@mygmu.ac.ae
3	Abdul A. Rasheed	Department of Management, The University of Texas at Arlington, Arlington, Texas	USA	Management-Corporate governance, globalization of capital markets, lobbying, outsourcing	abdul@uta.edu
4	Abdul Rasheed Pattath	Clinical Anesthesiology, Anesthesiology, Weill Cornell Medical College	USA	Clinical Anesthesiology	abp2003@qatar-med.cornell.edu
5	Abdulgafoor Muslim Veettil Tharayil	Hamad Medical Corporation, Doha, Qatar	Qatar	Clinical Anaesthesiology	abt4003@qatar-med.cornell.edu

No.	Name of Scholar	Institution Attached	Country	Broad area of expertise	Email id
6	Abhilash Nair	P.O 65 (Viikinkaari 1), 00014 University of Helsinki	Finland	Ecology Evolutionary Biology	abhilash.nair@helsinki.fi
7	Abid Shaheer Karanghadan	Department of Biomedical Sciences, Gulf Medical University, Ajman, UAE	UAE	Biochemistry	abidshaheer@gmu.ac.ae
8	Abraham K.M.	NUCRET and Laboratory for Electrochemical Advanced Power, Northeastern University, Boston, MA	USA	Chemistry (expert on lithium-ion and lithium-ion polymer batteries and is the inventor of the ultrahigh energy density lithium-air battery)	kmabraham@comcast.net
9	Abraham Ninan	103 Hospital Drive, Saskatoon, Saskatchewan S7N 0W8, Canada	Canada	Neonatology	alninan@yahoo.com
10	Abraham Punnen	Department of Mathematics, Simon Fraser University Surrey, 250-13450 102nd AVE, Surrey, British Columbia, Canada V3T 0A3	Canada	Operations Research	apunnen@sfu.ca

No.	Name of Scholar	Institution Attached	Country	Broad area of expertise	Email id
11	Abraham Verghese	Department of Medicine, Stanford University Medical School, Stanford, CA 94305, USA	USA	Medicine (Internal Medicine, Medical Education, Story and Ritual of Medicine)	abrahamv@stanford.edu
12	Aby Abraham Thyparambil	The Software Works INC, Sachse, TX, 75048, USA / Address2:Office: 1038 ETB, Department of Biomedical Engineering, Texas A&M University	USA	Bioengineering	athypar@tamu.edu
13	Achuthan C. Raghavamenon	Department of Environmental toxicology, Southern University and A&M College	USA	Environmental Toxicology	achuthanm@gmail.com
14	Aditya G. Nair	3900 E Stevens Way NE, MEB 206, Seattle, WA 98195 / Address 2: Department of Mechanical Engineering, University of Nevada, Reno	USA	Aerospace Engineering	adityan@unr.edu

No.	Name of Scholar	Institution Attached	Country	Broad area of expertise	Email id
15	Advaith Siddharthan	Department of Computing Science University of Aberdeen Aberdeen AB24 3UE, Scotland, UK / Address2: Knowledge Media Institute, The Open University, Milton Keynes, MK7 6AA,	UK	Computer Science and Society	advaith@abdn.ac.uk
16	Afeesh R. Unnithan	Healthcare Technology Institute, Institute of Translational Medicine, School of Chemical Engineering, University of Birmingham, Edgbaston, Birmingham B15 2TT,	UK	Chemical Engineering	afeesh@jbnu.ac.kr
17	Aisha Ravindran	Office: CCS 380, Okanagan Campus, 1148 Research Road, Kelowna, BC Canada V1V 1V7	Canada	English and Cultural Studies	aisha.ravindran@ubc.ca
18	Aiswarya Lakshmi Prabha	Department of Chemistry, South Kensington Campus, Imperial College London	UK	Computational Chemistry and molecular spectroscopy	a.prabha@imperial.ac.uk

No.	Name of Scholar	Institution Attached	Country	Broad area of expertise	Email id
19	Ajay Gopinathan	School of Natural Sciences, University of California, Merced 5200 North Lake Road, Merced, CA 95343	USA	Physics-biophysics, soft condensed matter	agopinathan@ucmerced.edu
20	Ajay Nair	Department of Horticulture, 145 Horticulture Hall, Iowa State University, Ames, IA 50011-1100	USA	Horticulture	nairajay@iastate.edu
21	Ajay Panicker	Midway Center, Room 100A-5, Metropolitan State University, Minnesota	USA	Sociology-social and political-economic changes	ajay.panicker@metrostate.edu appanicker@stcloudstate.edu
22	Ajay T. Abraham	Albers School of Business & Economics, Seattle University, 901 12th Avenue, Pigott 521, Seattle, WA 98122	USA	Marketing-meta-analysis, and eye-tracking	abrahama@seattleu.edu
23	Aji P. Mathew	Department of Materials and Environmental Chemistry (MMK), Stockholm University / Address2 : C432, Svante Arrhenius väg	Sweden	Polymer Chemistry	aji.mathew@mmk.su.se

No.	Name of Scholar	Institution Attached	Country	Broad area of expertise	Email id
		16C, 10691 Stockholm, Sweden			
24	Ajit Varki	Departments of Medicine and Cellular & Molecular Medicine, Glycobiology Research and Training Center, University of California at San Diego, La Jolla, CA 92093-0687, USA	USA	Medicine and Cellular and Molecular Medicine	a1varki@ucsd.edu
25	Ajith K. Varghese	Department of Life Science, Toronto School of Theology, University of Toronto	Canada	Clinical Pastoral	ajith.varghese@utoronto.ca
26	Ajith Kumar Parlikad	Department of Engineering,University of Cambridge, CB2 1PZ, United Kingdom	UK	Asset Management	aknp2@eng.cam.ac.uk aknp2@cam.ac.uk
27	Alex Koshy	SCI 236, Department of Chemistry, Chicago State University	USA	Chemistry-Material Scientist	akoshy@csu.edu

No.	Name of Scholar	Institution Attached	Country	Broad area of expertise	Email id
28	Ambili Ramachandran	General Medicine Clinic - University of Texas Health San Antonio, Medicine, San Antonio	USA	Internal Medicine, Preventive Medicine	ramachandraa@uthscsa.edu
29	Amit Kakkad	Department of Operations Management, University of San Diego	USA	Operations Management	amitkakkad@sandiego.edu
30	Amjath Babu T.S.	House #10/B, Road #53 Gulshan-2, Dhaka- 1212, BangladeshP.O. Box 6057 Gulshan-1, Dhaka-1212, Bangladesh	Bangladesh	Agricultural Economist	t.amjath@cgiar.org
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No.	Name of Scholar	Institution Attached	Country	Broad area of expertise	Email id
560	Vinod Namboodiri	Office: 217 Jabara Hall, Department of Electrical Engineering and Computer Science, Wichita State University	USA	Electrical and Computer Engineering	vinod.namboodiri@wichita.edu
561	Vinod S. Changarath	Department of Business, Carson Hall 512 , Marymount Manhattan College	USA	Finance	vchangarath@mmm.edu
562	Vinodkumar Etacheri	Head of Electrochemistry Group at IMDEA Materials Institute (Madrid Institute for Advanced Studies)	Spain	Electrochemistry	vinodkumar.etacheri@imdea.org
563	Vinothan N. Manoharan	Lyman Lab 232, 17 Oxford Street, Cambridge, MA 02138	USA	Chemical Engineering and Physics	manoharan@physics.harvard.edu
564	Vinoy Thomas	Department of Materials Science and Engineering, The University of Alabama Birmingham (UAB), USA	USA	Polymer Chemistry	vthomas@uab.edu

No.	Name of Scholar	Institution Attached	Country	Broad area of expertise	Email id
565	Vinu Unnikrishnan	Department of Aerospace Engineering and Mechanics, West Texas A&M University	USA	Civil Engineering	vunnikrishnan@wtamu.edu
566	Vipin Kumar Menon	Human Genome Sequencing Center, Baylor College of Medicine, Houston, TX US	USA	Biomedical Sciences, Biotechnology	vipin.menon2@bcm.edu
567	Visakh P. Maniyan	Tomsk State University of Control Systems and Radioelectronics, 40 Lenin Av., 634050 Tomsk, Russia	Russia	Polymer Sciences, Polymer nanocomposites, Bio- nanocomposites	visagam143@gmail.com
568	Vishnu K. K. Nair	Office: 804A Allen Hall, West Virginia University, College of Education and Human Services, Department of Communication Sciences and Disorders	USA	Language & Linguistics	vishnu.nair@mail.wvu.edu
569	Vishnu Viswanathan	Org Code: 698, NASA/GSFC, Mail Code: 698, Greenbelt, MD 20771	USA	Astronomy and Astrophysics	vishnu.viswanathan@nasa.gov

No.	Name of Scholar	Institution Attached	Country	Broad area of expertise	Email id
570	Viswam S. Nair	Fred Hutchinson Cancer Research Center; Division of Pulmonary, Critical Care & Sleep Medicine, University of Washington School of Medicine	USA	Pulmonary Disease	vnair@fredhutch.org
571	Viswanath P.V.	Lubin School of Business, 1, Pace Plaza, New York, NY 10038, Pace University	USA	Finance	pviswanath@pace.edu
572	Viswanathan K.S.	Department of Physical Science, Simon Fraser University	Canada	Physics	kviswana@sfu.ca
573	Viswanathan S. Saji	Center of Research Excellence in Corrosion, King Fahd University of Petroleum & Minerals, Dhahran 31261, Saudi Arabia	Saudi Arabia	Chemistry	saji.viswanathan@kfupm.edu.sa
574	Vivek K. Unni	Department of Neurology, Oregon Health & Science University	USA	Neurology	unni@ohsu.edu

No.	Name of Scholar	Institution Attached	Country	Broad area of expertise	Email id
575	Yamuna Krishnan	E305A, Gordon Centre for Integrative Science, 929 E., 57th Ellis Avenue, Department of Chemistry, University of Chicago, Illinois-60637	USA	Biological nanotechnology	yamuna@uchicago.edu yamuna.postdoc@gmail.com.
576	Zachariah Oommen	Forensic Studies department, Albany State University	USA	Forensic Science	zachariah.oommen@asurams.edu

Table 4

List of Diaspora Organisations (abroad)

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
1	Australia	Sydney Malayalee Association	Post Box No: 3214,Bankstown, NSW-2200	babuvarghese52@hotmail.com execom@sydmal.com.au	https://sydmal.com.au
2	Australia	AMIA NSW Australian Malayalee Islamic Association NSW	PO Box 533, Auburn,1835 NSW, Mob: 04103623549 6463790	info@amiansw.org	https://amiansw.org
3	Australia	Aussi Malayalam Cultural Association Central Coast Incorporated (AMCA)	5, Prim Rose Drive, Hamlyn Terrace,NSW 22590435988 858	aussimalayalam@gmail.com babuaustralia@gmail.com	https://www.facebook.com/AM CAwyong
4	Australia	Malayalee Association of WA	PO Box 2066, Rossmoyne, WA 6148	p.sthomas@optus.net.au mawapresident1996@gmail.co m	https://mawa.org.au
5	Australia	Perth Malayali Cultural Forum Inc	104,Rossiger Avenue,Piara Waters WA 6112	perthmalayaliculturalforum@gm ail.com	http://www.perthindians.com.a u

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
6	Australia	Darwin Malayalee Forum	134 Leanyer Drive, Leanyer,NT 0812	kravim@yahoo.com darwinmalayaleeforum@yahoo. com.au	https://sites.google.com/site/da rwinmalayaleeforum
7	Australia	Canberra MalayaleesAssociation Inc	PO Box 85,Woden - ACT 2606	ppthomson@yahoo.com coordinators@canberramalayale e.org	www.canberramalayalees.org
8	Australia	Grand Australian National Malayali Association (GRANMA)	3,SkyeHeightsCourt,Skye,Vict oria, Australia - 3977	granma.an@gmail.com vs,amesh@gmail.com	https://www.facebook.com/gra nmaau
9	Australia	Malayalee Association of Townsville	18, Mannikin way,Bohle Plains, QLD 4817,Australia	townsvillemalayalee@gmail.com	https://townsvillemalayalee.org
10	Australia	Toowoomba Malayali Association	23 Fallon Drive, Middle Ridge 4350	toowoombamalayali@gmail.co m	https://toowoombamalayali.org
11	Australia	Darwin Malayalee Association	PO Box 40360, Casuarina NT 0811	kochusalas@rediffmail.com darwin.malayalee@gmail.com	http://www.darwinmalayale.co m.au

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
12	Australia	Alice Springs Malayalee Association Inc	5/1 Flint Court, Alice Springs NT 0870	malayalees.asp@gmail.com	https://amaalicesprings.org.au
13	Australia	Kairali Perth Malyalee Cultural Club	Rostrata FamilyCentre,Willetton WA 6155	kairali@kairali.org.au	https://kairali.org.au
14	Australia	Brisbane Malayalee Association	PO Box 3229,Bracken Ridge,QLD 4017	brisbane.malayaleeassociation @gmail.com	https://brisbanemalayalees.com .au
15	Austria	Kerala Samajam	https://www.keralasamajamvi enna.at	T.Alexander@iaea.org keralasamajam_vienna@yahoo.c om	https://www.keralasamajamvien na.at
16	Austria	Pravasi Malayali Federation Global (PMF)	Simongasse-12/3/3,1220- Wien,Austria, Europe	pmfdirector@gmail.com	https://www.facebook.com/PMF GlobalChapter
17	Austria	World Malayalee Federation	Winbergergasse.5 1070,Vienna, Austria	prince@prosi.at	https://worldmalayaleefederatio n.com

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
18	Austria	Vienna MalayeeAssosciation	liechtonsteinstr asse,131- 133/24,1090,vienna	chennumkara@hotmail.com webmaster.vma.vienna@gmail.c om	http://www.viennamalayaleeass ociation.com
19	Austria	PravasiMalaylee Federation	www.pravasimalayali.org	george.padickakudy@unvienna. org	www.pravasimalayali.org
20	Austria	World Malayalee Council Austrian Province	Lazarettgasse 29/13, 1090 Vienna	malayilpreethi@gmail.com	www.worldmalayalee.org
21	Austria	Fine Arts,Vienna	www.fineartsvienna.com	saji.mathuppurathu@inode.at reema.mathew@hotmail.com	www.fineartsvienna.com
22	Azerbaijan	BAKU Malayalee Association (BMA)	no special office but operated from different place as it is convenient for exec members (https://www.facebook.com/B akuMalayaleeAssociation)	bakubma@gmail.com	https://www.facebook.com/Bak uMalayaleeAssociation
23	Bangladesh	Dhaka Malayali Association	House-6, Road7 Sector- 3,Uttara Model Town, Dhaka1230	sabnelli@yahoo.com dhakamalyalees@gmail.com	https://www.facebook.com/Dha kaMalayaleeAssociation

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
24	Brunei	Malayali Association	Post Box 150,KualaBelait KA 1189,Negara,Brunei Darussalam	Ma.honpresident@gmail.com ma.honsecretary@gmail.com	https://www.facebook.com/pag es/category/Interest/Malayali- Association-Brunei-Darussalam- 405824729519078
25	Canada	Canadian Malayalee Association	3662 Ellengale Drive, Mississauga, ON, L5C 1Z7	connectcma@gmail.com	https://www.canadianmalayalee .org
26	Canada	Toronto Malayalee Samajam	TMS East Centre :Toronto Malayalee Samajam,430 Passmore Ave, unit #15,Scarborough, ON. M1V 5A9 / TMS West Centre:Toronto Malayalee Samajam,6780 Davand Drive,Unit#25, Mississauga,ON L5T 2G4	secretary@torontomalayaleesa majam.com secretary@torontomalayaleesa majam.com	https://www.torontomalayalees amajam.com
27	Canada	Ontario Regional Malayalee Association(ORMA)	39 Cabernet Circle Etobicoke ON M9V 5A3		https://www.facebook.com/gro ups/ormacanada/ http://ormacanada.com
28	Canada	National Federation of Malayalee Associations	https://nfmac.org/	malayaleefederation@gmail.co m	https://nfmac.org

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
29	Canada	Brampton Malayalee Samajam(BMS)	https://www.facebook.com/b ramptonsamajam/	info@malayaleesamajam.com	https://www.facebook.com/bra mptonsamajam
30	Canada	Kerala Cultural Association of British Columbia (KCABC)	http://www.kcabc.org/	info@kcabc.org	http://www.kcabc.org
31	Canada	Mississauga Kerala Association (MKA)	P O Box. 43232,Mavis Rd. PO L5B 4A7 Mississauga, Ontario Canada	mka@MississaugaKeralaAssocia tion.com	http://www.mkahub.ca
32	Canada	Malayali Association of Manitoba	https://malayaliassociationof manitoba.com/	mam.winnipeg@gmail.com	https://malayaliassociationofma nitoba.com/
33	Canada	South Indian Cultural Association of the Maritimes	http://www.sicamhalifax.com/	sicamnews@gmail.com	http://www.sicamhalifax.com
34	Canada	Hamilton Malayalee Samajam	1095 WoodburnRd,Hannon,ON L0R 1P0,Canada	info@hmsnet.org hmsnet.ca@gmail.com	https://www.hmsnet.ca

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
35	Canada	Malayalee Cultural Association of Calgary (MCAC)	https://calgarymalayalee.ca/	info@calgarymalayalee.ca	https://calgarymalayalee.ca
36	Canada	Brock Malayalee Association (BMA)	https://www.facebook.com/B rockUMalayalees/	brockmalayalees16@gmail.com	https://www.facebook.com/Bro ckUMalayalees
37	Canada	London Central Lions Club	https://e- clubhouse.org/sites/london_ central/	lclcmem@gmail.com	https://e- clubhouse.org/sites/london_ce ntral
38	Canada	All Montreal Malayalee Association - AMMA	https://ammamontreal.ca	ammamontreal@gmail.com	https://ammamontreal.ca
39	Canada	Malayali Association of Social Workers, Ontario (MASWO)	https://www.maswo.ca	info@maswo.ca maswocanada@gmail.com	https://www.maswo.ca
40	Canada	Nair Social Society of Canada	https://nsscanada.org/v2/	nsscanada@hotmail.com nsscanada@gmail.com	https://nsscanada.org/v2/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
41	Canada	Windsor Malayalee Association	www.windsormalayalees.com	wma.vartha@gmail.com	www.windsormalayalees.com
42	Canada	Malayalee Association of Quebec	http://www.quebecmalayalee .ca/	quebec.malayalee@gmail.com	http://www.quebecmalayalee.c a
43	Denmark	Malayalees in Denmark	Vaerebrovej 42, 7.1 2880 Bagvaerd	Sebastian.minna@gmail.com	www.malyaleesindenmark.dk
44	Ethiopia	Kerala Samajam	https://www.facebook.com/k eralasamajam.et	keralasamajam@gmail.com	https://www.facebook.com/kera lasamajam.et
45	Finland	Finland Malayalee RY	Ruomelantie 1A, 02210,Espoo,Finland	vimi_pv@hotmail.com unnikrishnakurup@gmail.com fima.ec@gmail.com	http://fimaonline.com
46	France	Sarva Malayalee France - SAMA FRANCE	20 Rue Brillat Savarin 75013 Paris,France	contact@samafrance.com	https://samafrance.com

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
47	Georgia	Greater Atlanta Malayalee Association	PO Box 301, Alpharetta,GA 30009, USA	2010gama@gmail.com gama@gamaatl.org	https://gamaatl.org
48	Germany	Kerala Samajame.V.	Postbox : 550113,60400 Frankfurt/Main	info@keralasamajam- frankfurt.com	https://keralasamajam- frankfurt.com
49	Germany	Kerala Samajame.V	Ziethenstr.9b,20041,Hambur g	attipetty@web.de	https://www.facebook.com/Ker alaSamajamHamburg
50	Germany	Kerala Samajam Munich e.V	Münchhausen Strasse.32, 81247 Munich	ksmuenchen@gmail.com info@keralasamajammunich.de	http://www.keralasamajammuni ch.de
51	Germany	Malayali Samajame.V.	Postfach 104047,69030 Heidelberg,Germany	sabineissac@hotmail.com	https://www.facebook.com/mal ayalisamajam.heidelberg
52	Ghana	Ghana Indian Malayali Association (GIMA)	Accra, PB no 19810,Accra North	ghanamalayali@gmail.com	http://ghanamalayali.com

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
53	Hong Kong	Malayali Association for Arts & Culture MAAC Hong Kong	Unit 1905,EmpressPlaza,Chatham Rd. South Tsim Sha Tsui	info@malayalihk.org	https://www.malayalihk.org
54	Indonesia	Kerala Samajam Indonesia	Jambu Compound JIJambu,Pejatan Barat II Jakarta Selatan Indonesia	keralasamajam.indonesia@gmai l.com	www.indokerala.com http://www.keralasamajamindo nesia.com
55	Ireland	World Malayali Council	https://wmcireland.com/	bijuedakunathel10@yahoo.com deepusridharan@hotmail.com info@wmcireland.com	https://wmcireland.com
56	Ireland	Malayalam Association	http://malayalam.ie/	lemalayalam@gmail.com	http://malayalam.ie/
57	Ireland	Malayalam Association	https://www.facebook.com/m alayalam.ie/	jojijiju@yahoo.com	https://www.facebook.com/mal ayalam.ie/
58	Ireland	Kerala House	https://keralahouseireland.co m/	keralahousedublin@yahoo.com	https://keralahouseireland.com/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
59	Ireland	Malayali Association	http://www.irishmalayalee.co m/	chandbipin2000@yahoo.co.in	http://www.irishmalayalee.com/
60	Ireland	Kerala Pravasi Congress(M)	https://www.facebook.com/k eralapravasi.congressireland. 3/	Raju_kunnakkattu@hotmail.com jaimon@yahoo.com	https://www.facebook.com/kera lapravasi.congressireland.3/
61	Ireland	Malayalee Indians (MIND)	https://mindireland.org/	mindireland08@gmail.com	https://mindireland.org/
62	Ireland	Waterford Malayali Association	https://www.facebook.com/w aterfordmalayale	pmgeorgekutty70@yahoo.com	https://www.facebook.com/wat erfordmalayale
63	Ireland	Syro Malabar Catholic Community Dublin	St. Thomas Pastoral Centre,19 Saint Anthony'sRoad,Rialto, Dublin 8, D08 E8P3	jayanleena@yahoo.co.in	http://syromalabar.ie/
64	Ireland	St. George Syrian Orthodox Church	http://www.saintgeorgechurc hok.org/	nobycm25@yahoo.co.in jomit@gmail.com	http://www.saintgeorgechurcho k.org/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
65	Israel	Israel Malayali Association Beersheva (IMA)	Yair 26/3,Post Box No. 1843 Beersheva,Israel	ima.beersheva@gmail.com	https://www.facebook.com/gro ups/513832822080533/
66	Italy	ALIK Associazio ne LavoratoriIndiani del Kerala(Alik)	https://alikitaly.tripod.com/	alikitaly@yahoo .com	https://alikitaly.tripod.com/
67	Italy	Chavara Institute Of Indian And Inter - Religious Studies	Corso Vittorio Emanuele II, 294/10 00186 Rome,Italy	arickappalil@gmail.com	http://chavarainstitute.blogspot. com/
68	Italy	Syro Malabaric Church	SanThome Pastoral Centre, Via Torino 94 00184, Roma	stephenchirapanath@gmail.com	http://www.syromalabarchurch.i n/procura.php
69	Italy	(IPSBU) Indian Priests, Sisters and Brother's Union in Rome	https://www.facebook.com/g roups/433170386702538/	ipsburoma@gmail.com	http://ipsbu.blogspot.it https://www.facebook.com/gro ups/433170386702538/
70	Italy	Indian Cultural Group - FAO	http://indiancultureromeun.c om	Illias.Animon@fao.org	http://indiancultureromeun.com /

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
71	Italy	Indian Malayalee association of Milan (IMCAM)	https://www.facebook.com/p ages/category/Community/It alian-Malayali-Association- Ima-314632148591060/	info@imcam.org	https://www.facebook.com/pag es/category/Community/Italian- Malayali-Association-Ima- 314632148591060/
72	Japan	The Indian JSPS (Japan Society for the Promotion of Science) Alumni Association	JSPS Alumni Association (IJAA),Toxicology Division,Biomedical Technology Wing,Sree Chitra Tirunal Institute for Medical Sciences & Technology(Govt. of India),Poojappura,Trivandru m,	admin@indianjspsalumni.org	https://www.indianjspsalumni.or g/
73	Kenya	Kerala Association of Kenya	Post Box No.18780- 00500,Nairobi,Kenya	infokaknairobi@gmail.com	https://www.facebook.com/gro ups/131197540282809/
				illickal123@hotmail.com	
74	Bahrain	Kerala Catholic Association	P.O. Box: 20651,Bahrain	viju.kallara@gmail.com	http://kcabahrain.com/
				kca@kcabahrain.com	
				nssbah@batelco.com.bh	
75	Bahrain	Kerala Social & Cultural Association	P.O. Box: 21889,Bahrain	sunilpillai_s@yahoo.com	https://www.facebook.com/nssk scabahrain/
				pgpnair2007@yahoo.com	

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
76	Bahrain	Kerala Muslim Cultural Centre	https://www.facebook.com/K MCCBH/	svjaleel@gmail.com asainar2000@gmail.com	https://www.facebook.com/KM CCBH/
77	Bahrain	The Bahrain Malayalee CSI Parish	P.O. Box: 20272,Bahrain	csibahrain@gmail.Com jacob_kj17@yahoo.co.in	http://bahrainmalayaleecsi.com /
78	Bahrain	The Bahrain KeraleeyaSamajam	P.O. Box: 757,Bahrain	bksamajam@gmail.com radhakrishnapillaipv@gmail.co m veeramanikrishnan@gmail.com	https://www.bksbahrain.com/
79	Bahrain	Chinmaya Society	P.O. Box: 20046,Bahrain	ukmenon9@gmail.com bhargavanbahrain@hotmail.co m	https://www.facebook.com/pag es/category/Non- Governmental-Organization NGO-/Chinmaya-Society- Bahrain-112529883500187/
80	Bahrain	Gurudeva Social Society	https://www.facebook.com/p ages/category/Community/G ss-Gurudeva-Socialsociety- 254286548287711/	chithchand2000@gmail.com sasidharanp20@yahoo.in	https://www.facebook.com/pag es/category/Community/Gss- Gurudeva-Socialsociety- 254286548287711/
81	Bahrain	Indian Fine Arts Society (IFAS)	P. O. Box: 1209,Bahrain	vaidyseshan50@gmail.com indusur@gmail.com ifas.bahrain@gmail.com	https://www.facebook.com/wat ch/1580357392276378/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
82	Bahrain	St. Mary's Indian Orthodox Church	P.O. Box: 834,Bahrain	vattaparampilachen@gmail.com frmbgs@gmail.com stmarys@stmarybahrain.com secretary@stmarybahrain.com	www.stmarybahrain.com
83	Bahrain	St. Peter's Jacobite Syrian Church	P.O. Box: 20417,Bahrain	stpeters@batelco.com.bh sajijob1977@gmail .com regivarghese.it@gmail.com	www.stpetersbahrain.org
84	Bahrain	The Sree Narayana Cultural Society	P.O. Box: 21350,Bahrain	sncsbahrainofficial@gmail.com sncsbahrain@hotmail.com shajimhb@gmail.com	www.sncsbahrain.com
85	Bahrain	The Mar Thoma Parish	P.O. Box: 1037,Bahrain	secretary@mtcbah.com sam.km28@gmail.com jvgachen@gmail.com varughese@hotmail.co.uk	www.bahrainmarthomaparish.c om

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No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
86	Bahrain	Indian Islahi Centre	https://www.facebook.com/ii cBahrain/	islahicenterbhn@gmail.com	https://www.facebook.com/iicB ahrain/
87	Bahrain	Syro Malabar Society	P. O. Box 15269 Bldg. No. 312, Sheikh Hamed Road 326,Block 311,Salmaniya,Bahrain	joseph.kthomas@yahoo.com bijujoseph55@gmail.com	www.symsbahrain.com
88	Bahrain	Pravasi Guidance Forum (PGF)	P.O Box 75538,Manama,Bahrain	pgfbahrain12@gmail.com	www.pravasiguidanceforum.org
89	Saudi Arabia	Keli Kala SamskarikaVedi	PostBox No. 469,Riyadh 11382, Saudi Arabia	keliriyadh@gmail.com	https://www.facebook.com/gro ups/269327106457293/
90	Saudi Arabia	Riyadh VazhikkadavuPravasiKoottaym a (RIVA)	P.O. Box 31304, Riyadh - 11497 Saudi Arabia	president@rivapravasi.org	http://rivapravasi.org/
91	Saudi Arabia	Pattanamthitta Jilla Sangamam	P.O. Box No 51200,Jeddah, Saudi Arabia	<u>info@pjsjeddah.org</u> naushadi1805@gmail.com	http://www.pjsjeddah.org/ https://www.facebook.com/PJS Jeddah/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
92	Saudi Arabia	Jizan Arts Lovers Association (JALA)	PostBox No. 45142,Saudi Arabia	jalajizan@gmail.com	https://www.facebook.com/jalaj izan/
93	Saudi Arabia	Prawasi Samskarika Vedi	PostBox No. 40155,Al Khobar 31952,Saudhi Arabia	prawasikbrcc@gmail.com	https://www.facebook.com/pag es/category/Political- Organization/Prawasi- %E0%B4%AA%E0%B5%8D%E0 %B4%B0%E0%B4%B5%E0%B4 %BE%E0%B4%B8%E0%B4%BF- %E0%B4%B8%E0%B4%BE%E0 %B4%82%E0%B4%B8%E0%B5 %8D%E0%B4%95%E0%B4%BF %E0%B4%B0%E0%B4%BF%E0 %B4%A6%E0%B4%B5- %E0%B4%85%E0%B5%8D- %E0%B4%96%E0%B5%8D- %E0%B4%96%E0%B5%8B- %E0%B4%96%E0%B5%8B%E0 %B4%AC%E0%B4%BE%E0%B5 %BC-104450207693026/
94	Saudi Arabia	Navayugam Samskarika Vedhi	Post Box No. 76561,Al- Khobar Saudi Arabia - 31952	navayugamdammam@gmail.co m	https://www.facebook.com/gro ups/369149026533450/
95	Saudi Arabia	Thiruvananthapuram Pravasi Association (TPA)	Post Box No. 40155,Al- Khobar Saudi Arabia - 31952	ksatripa@gmail.com	https://www.facebook.com/Triv andrum-Pravasi-Association- 2164246393890933/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
96	Saudi Arabia	Thiruvananthapuram Pravasi Association (TRIPA)	Post Box No. 5445,Jeddah - 21422,Saudi Arabia	nadulsameed@yahoo.com	https://en- gb.facebook.com/groups/tpaje ddah/
97	Saudi Arabia	Social & Charity Association forNilamel (SCAN KSA)	Post Box No. 234,AL JUBAIL- 31951,Saudi Arabia	scan4nml@gmail.com	https://www.facebook.com/gro ups/1400684056843158/
98	Saudi Arabia	Navodaya Cultural Centre	Post Box No.63440,Dammam - 31516,Saudi Arabia	navodayaksa@gmail.com	https://www.facebook.com/nav odayaep/
99	Saudi Arabia	Navodaya Riyadh	https://www.facebook.com/ri yadhnavodaya/	riyadhnavodaya@gmail.com kummilsudheer@gmail.com	https://www.facebook.com/riya dhnavodaya/
100	Saudi Arabia	Trivandrum Expatriates Association (TEXA)	Post Box No.246370 , Riyadh - 11312,Saudi Arabia	texariyadh@gmail.com	www.texariyadh.com
101	Saudi Arabia	Riyadh Indian Association	Post Box No. 14550,Riyadh 11434,Saudi Arabia	bbalachandrannair@hotmail.co m	https://ria-ksa.page.tl/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
102	Saudi Arabia	KMCC Saudi	Post Box No.335868,Saudi Arabia	kmccsaudi@gmail.com	https://mykmcc.org/
103	Kuwait	Kayamkulam NRIs - Kuwait(KAYAMKULAM)	P.O. Box Kuwait P.O. Box 7812 - Fahaheel,64008 - Kuwait	kayamkulamnris@yahoo.com	https://www.facebook.com/kay amkulamnriskuwait
104	Kuwait	Kerala Art Lovers Association(KALA)	P.O. Box 54134 Jleeb 85862 - Shuyoukh Kuwait	kalaonweb@gmail.com	https://kalakuwait.com/
105	Kuwait	Kerala Association	https://keralaassociationkuwa it.com/	Keralasso.kwt@gmail.com info@keralaassociationkuwait.co m	https://keralaassociationkuwait. com/
106	Kuwait	Keralite Engineers Association (KEA)	P.O. Box 28847 Safat13149 Kuwait	kea_kuwait@yahoo.com	http://keakuwait.org/
107	Kuwait	Kerala Expats Football Association Kuwait	https://www.facebook.com/g roups/kefakorg/	cadiri@gmail.com kefakuwait@gmail.com	https://www.facebook.com/gro ups/kefakorg/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
108	Kuwait	Kerala Islamic Group (KIG)	P.O. Box 20918 - Safat 13070 - Kuwait	kigkuwait@yahoo.com	https://kigkuwait.com/
109	Kuwait	Kuwait Kerala Islahi Centre (KKIC)	P.O. Box 3778 - Salmiya 22038 Kuwait	info@islahikuwait.org	http://www.islahikuwait.org/
110	Kuwait	Kuwait Kerala Muslim Association (KKMA)	P.O. Box 47959 - Fahaheel,640 30 - Fahaheel,Kuwait	kkma@kkma.net	https://www.kkma.net/
111	Kuwait	Kuwait Kerala Muslim Cultural Centre (KKMCC)	P.O. Box 54046 Jaleeb 85861 Kuwait	kuwaitkmcc@yahoo.com	http://www.kuwaitkmcc.com/ku wait-kmcc-2/
112	Kuwait	Kuwait Knanaya Cultural Association (KKCA)	P.O. Box 47172 Fahaheel 64022 - Kuwait	kkca_ kuwait@yahoo.co.in	http://kuwaitknanaya.com/
113	Kuwait	Kuwait Malankara Rite Movement	P.O. Box:39710,NUZHA,73058 - Kuwait	kuwaitmalankara@gmail.com	https://www.kmrm.net/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
114	Kuwait	Santhwanam,Kuwait (Santhwanam)	P.O. Box 920,Farwaniya 8000 Kuwait	santhwanam@gmail.com	https://santhwanamkuwait.com/
115	Kuwait	Saradhi Kuwait (Saradhi)	https://saradhikuwait.com/	Generalsecretarysaradhikuwait @gmail.com	https://saradhikuwait.com/
116	Kuwait	Welfare Kerala Kuwait	https://www.facebook.com/w elfarekeralakuwait/	info@welfarekeralakuwait.com welfarekeralakuwait.com	https://www.facebook.com/welf arekeralakuwait/
117	Kuwait	Advaitham	https://www.facebook.com/p ages/category/Community/A dvaitham-Kuwait- 360150780814580/	Sasidharan_an@yahoo.com kkmadhukuttan@yahoo.com advaitham.kuwait@gmail.com	https://www.facebook.com/pag es/category/Community/Advait ham-Kuwait- 360150780814580/
118	Kuwait	Airways Malayalee Cultural Organization (AMCO)	P.O. Box 850 Dasman15459 - Kuwait	amcokwi@yahoo.com	https://www.facebook.com/amc okuwait/
119	Kuwait	Kuwait Malayali Samajam	https://www.facebook.com/k ms1kwt/	info@kms-kwt.com	https://www.facebook.com/kms 1kwt/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
120	Kuwait	National Service Society(N.S.S.)	https://www.nsskuwait.com/	nsskuwait@gmail.com nsskuwait@yahoogroups.com	https://www.nsskuwait.com/
121	Kuwait	The Human And Nostalgic Interaction of Malayalees Abroad (THANIMA)	P.O. Box 6213 Hawally32037 Kuwait	thanimakuwait@yahoo.com	https://www.facebook.com/wat ch/371717466237256/
122	Kuwait	Thiruvananthapuram District Expatriates Association (TEXAS)	P.O. Box 23520 Safat Kuwait	office@texaskuwait.com	http://texaskuwait.enterocms.co m/
123	Kuwait	Thiruvananthapuram Non Resident's Association Kuwait (TRAK)	https://www.facebook.com/w atch/TRAK-Kuwait- 460475014082342/	trakoffice@gmail.com	https://www.facebook.com/wat ch/TRAK-Kuwait- 460475014082342/
124	Kuwait	The Catholicate College Alumni Association (CCAA)	www.ccaakwt.com	jobykaleekkal@gmail.com	www.ccaakwt.com
125	Kuwait	Thrissur Association of Kuwait (TRASSK)	www.thrissurassociation.org	thepresident@thrissurassociatio n.org	www.thrissurassociation.org

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126	Kuwait	TKM College of Engineering Alumni Association Kuwait	https://www.facebook.com/T KMCEAAKuwait/	Ganga269162@yahoo.com shabeerkamil@gmail.com president@tkmcekuwait.org tkmce@tkmcekuwait.org	https://www.facebook.com/TK MCEAAKuwait/
127	Kuwait	Trichur Engineering College Alumni Association Kuwait Chapter	https://tecalkuwait.tripod.co m/	joshysm@yahoo.com Josephsanthoeng@gmail.com chairman@mytec.co	https://tecalkuwait.tripod.com/
128	Kuwait	Idukki Association	www.idukkiassnkwt.com	idukkiassnkwt@gmail.com	www.idukkiassnkwt.com
129	Kuwait	Gulf Pravasi Cultural Congress (GPCC)	https://www.facebook.com/p ages/category/Politician/GPC C-Abbasiya- 332586910156423/	gpcckuwait@gmail.com	https://www.facebook.com/pag es/category/Politician/GPCC- Abbasiya-332586910156423/
130	Kuwait	Friends of Kannur Expatriates Association (FOKE)	P.O. Box 56236 Fahaheel6405 13 - Kuwait	president@friendsofkannur.com	www.friendsofkannur.com

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
131	Kuwait	Kasaragod Expatriates Association - Kuwait (KASARAGOD)	P.O. Box 54457 Jleeb Al Shyoukh85865 Kuwait	keakwt@gmail.com	https://www.facebook.com/kea kwt/
132	Kuwait	Kozhikode District NRI Association (KDNA)	P.O. Box 786 Al Fintas51008 - Kuwait	kdnakuwait@gmail.com	www.kdnakuwait.com
133	Kuwait	Kozhikode District Association, Kuwait (KDA)	P.O. Box 909 Safat13010 - Kuwait	kozhikodeassociationkuwait@g mail.com	www.kozhikodeassociation.com
134	Kuwait	Kuttanadu Association Kuwait (KAK)	P.O. Box 1589 - Hawally32016 - Kuwait	kakkwt@gmail.com	https://www.facebook.com/Kutt anadu-Association-Kuwait- 164472457019744/
135	Kuwait	Kuwait Ernakulam Residents Association (KERA)	https://www.facebook.com/p ages/category/Community/K ERA-Kuwait-Ernakulam- Residents-Association- 211494712203270/	zubairelamana@gmail.com jomy@petserv.net Kera2011ekm@gmail.com	https://www.facebook.com/pag es/category/Community/KERA- Kuwait-Ernakulam-Residents- Association-211494712203270/
136	Kuwait	Mavelikara Association	https://www.facebook.com/M avelikaraassociationkuwait- 378757282232254/	Mavelikaraassociationkuwait@g mail.com	https://www.facebook.com/Mav elikaraassociationkuwait- 378757282232254/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
137	Kuwait	Nair Service Society, Kuwait (NSS)	P.O. Box 42049 Industrial Shuwaikh,706 51 Kuwait	generalsecretarynss@yahoo.co m	https://www.nsskuwait.com/
138	Kuwait	Amma Kuwait (AMMA)	P.O. Box 36892 AlRass24758- Kuwait	ammakuwait@yahoo.com info@ammakuwait.com	https://ammakuwait.com/
139	Kuwait	AngamalyPravasiAssociation, Kuwait (APAK)	P.O. Box 23605 -Safat,13097 - Kuwait	angamalypravasi@gmail.com	https://www.facebook.com/ang amalykuwait/ https://angamalykuwait.org/
140	Kuwait	Arpan (ARPAN)	https://www.facebook.com/a rpankwt/	Arpankwt@yahoo.com	https://www.facebook.com/arp ankwt/
141	Kuwait	BlessenGeorga Foundation International	https://www.facebook.com/3 22357744480655/posts/bles son-george-foundation- international-bgfi-kuwait- whose-main-objectives- includ/808721942510897/	blessengf@yahoo.com	https://www.facebook.com/322 357744480655/posts/blesson- george-foundation- international-bgfi-kuwait-whose- main-objectives- includ/808721942510897/
142	Kuwait	Indian Badminton Association - Kuwait (IBAK)	ibakwt.org	ibakwt@yahoo.com	ibakwt.org https://www.facebook.com/ibak wt/

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143	Kuwait	Indian Lawyers' Forum	https://m.facebook.com/Presi dent-ILF-Kuwait- 2400970646708213/	lawyersforum@gmail.com	https://m.facebook.com/Presid ent-ILF-Kuwait- 2400970646708213/
144	Kuwait	KALA (Art) KuwaitKALA (Art)	P.O. Box 31428 - Sulaibikhat90 805 Kuwait	kalakuwait@gmail.com info@kalakuwait.net	https://www.kalakuwait.net/
145	Kuwait	KARMA,Kuwait	http://www.karmakuwait.com /	Karma2kwt@yahoo.com admin@karmakuwait.com	http://www.karmakuwait.com/
146	Kuwait	Knanaya Congress Kuwait	https://kccme.org/	knanayacongresskuwait@gmail. com INFO@KCCME.ORG	https://kccme.org/
147	Kuwait	Konni NivasiSangamam (KNS)	P.O. Box 201-Hawally,32003 - Kuwait	knskwi@gmail.com samkuttyg@gmail.com	https://www.facebook.com/kns kuwait/
148	Kuwait	Kuwait Wayanad Association (KWA)	https://de- de.facebook.com/groups/20 2924513656585/	Q8wayanadassociaiton@gmail.c om	https://de- de.facebook.com/groups/2029 24513656585/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
149	Kuwait	MACE AluminiAssociation(MACE)	P.O. Box 43747 Hawally 32052 Kuwait	macekuwait@yahoo.com	https://macealumni.com/
150	Kuwait	Mannar Association	https://www.facebook.com/m nrkwt/	bijumenon@gmail.com rbhaskaranpillai@yahoo.com mannarassociation@gmail.com	https://www.facebook.com/mnr kwt/
151	Kuwait	Mappila Kala Vedi (MKV)	https://ms- my.facebook.com/mappilakal avedikuwaitofficial/	Habib.ummer22@gmail.com mohdrafikallai@gmail.com mappilakalavedikuwait@gmail.c om	https://ms- my.facebook.com/mappilakalav edikuwaitofficial/
152	Kuwait	Mar Baseliose Social and Cultural Association (MBSCA)	P.O. Box 795 Khaitan83001 - Kuwait	info@mbscakuwait.com	http://www.stgeorgesyriankuwa it.com/
153	Kuwait	Mar Gregorios Movement Cultural Association (MGM)	https://www.facebook.com/p ages/category/Charity- Organization/Mar-Gregorios- Movement-Kuwait- 104730408469424/	mgmkuwait@gmail.com	https://www.facebook.com/pag es/category/Charity- Organization/Mar-Gregorios- Movement-Kuwait- 104730408469424/
154	Kuwait	Nilambur Pravasi Association of Kuwait (NIMPAK)	P.O. Box 43985 - Hawally 32054 Kuwait	nimpack10@yahoo.com nimpak10@gmail.com	https://www.facebook.com/pag es/Nilambur-Pravasi- Association- Kuwait/1424576714450754

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155	Kuwait	North Kanara Association(North Kanara)	https://www.facebook.com/N orthKanaraAssociationKuwait /	Johnferns72@gmail.com Asha_ eddie@yahoo.com northkanara@yahoo.com	https://www.facebook.com/Nor thKanaraAssociationKuwait/
156	Kuwait	NrittaDhyana(Nritta Dhyana)	P.O. Box 9849,SalmiyaKuwait	info@nrittadhyana.com	https://nrittadhyana.com/
157	Kuwait	NSS College of Engineering Alumni Association Kuwait Chapter (NSSCEA)	https://www.facebook.com/N SSCEPalakkad/	president.nssceakuwait@yahoo. com	https://www.facebook.com/NSS CEPalakkad/
158	Kuwait	Overseas Indian Cultural Congress	https://www.facebook.com/O ICC.KPCC/	gicckuwait@gmail.com deseeyavedi@hotmail.com oicckuwaitcommittee@gmail.co m	https://www.facebook.com/OIC C.KPCC/
159	Kuwait	Pala St. Thomas College Old Students Association (PASTCOS)	https://m.facebook.com/Past cosKuwait/	pastcoskuwait@gmail.com	https://m.facebook.com/Pastco sKuwait/
160	Kuwait	Pathanamthitta District Association (PTA)	https://ptadistrict.org/	Pta.association@gmail.com	https://ptadistrict.org/ , https://www.facebook.com/Path anamthitta-District-Association- Kuwait-166308073437532/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
161	Kuwait	RannyPravasi Sangam - Kuwait (RPSK)	https://www.facebook.com/r annypravasisangham.kwt	rannyassociation@yahoo.com	https://www.facebook.com/ran nypravasisangham.kwt
				rsckuwait@gmail.com	
162	Kuwait	Risala Study Circle (RSC)	https://www.facebook.com/ri salastudycircle/	mail@rsconline.org	https://rsconline.org/
				wisdom@rsconline.org	
163	Kuwait	Souhridam - Unity of Youth	https://nl- nl.facebook.com/watch/2403 19019466459/	souhridam.kuwait@gmail.com	https://nl- nl.facebook.com/watch/240319 019466459/
164	Kuwait	Stewards India International(STEWARDS)	P.O. Box 42319 - Shuwaikh706 54 Kuwait	stewardsindia@gmail.com	https://www.facebook.com/pag es/category/Nonprofit- Organization/Stewards-India- International- 153035921434421/
				thanalkuwait@gmail.com	
165	Kuwait	Thanal,Kuwait	https://www.facebook.com/t hanalsparsham/	tittyck@yahoo.com	https://www.facebook.com/than alsparsham/
				Chirayathwilsonchirayathts@yah oo.com	
166	Lebanon	Kerala Welfare Association	https://www.facebook.com/k walebanon/	kwabeirut@gmail.com	https://www.facebook.com/kwa lebanon/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
167	Malawi	Malayali Association MALAWI	Kairali Auditorium,Zomba Road,Blantyre Malawi	mabtmw2019@gmail.com	https://malayaliassociationblant yre.com/ https://www.facebook.com/gro ups/182309431821664/
168	Malaysia	Pravasi Malayalee Malaysia Association	Unit No.7-08-08 Maytower Service Apartment, Jalan Munshi Abdullah - 50100, Kualalumpur, Malaysia		http://www.pravasimalayaleema laysia.com/
169	Malaysia	All Malaysia Malayalee Association	59, Jalan Manisan,BandarBaru Sri Petaling,57000 Kuala Lumpur	admin@amma.org.my	https://amma.org.my/
170	Malaysia	Klang Malayalee Association	10, Jalan LintangMastika Off TelukGadong 41100 Klang, Selangor	suresh@emstech.com.my	https://m.facebook.com/Mama ngamKlang-308740452638346/
171	New Zealand	Auckland Malayalee Samajam	P.O.BOX 109339 New Market. Auckland	president@aucklandmalayalisa majam.org.nz	https://www.aucklandmalayalisa majam.org.nz/
172	New Zealand	Auckland Malayalee Samajam	2/85 Portage Road,New Lynn, Auckland 0612P.O.BOX 109339New Market. Auckland	secretary@aucklandmalayalisam ajam.org.nz	www.aucklandmalayalisamajam. org.nz

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
173	New Zealand	Wellington Malayalee Association Incorporated	15 Rembrandt Avenue, Tawa Wellington, 6011	wellingtonmalayalees@gmail.co m	https://www.wmanz.org/
174	New Zealand	Hamilton Kerala Samajam	Post Box No.4316 Hamilton 3247,NewZealand	neiljo123@gmail.com info@hamiltonkeralasamajam.co .nz	https://www.hamiltonkeralasam ajam.co.nz/
175	New Zealand	The North Shore Malayalee Association (NSMA)	www.nsma.org.nz	malayaliz.northshore@gmail.co m	www.nsma.org.nz
176	Oman	World Malayalee Council	http://wmcoman.com/	wmcoman12@gmail.com	http://wmcoman.com/
177	Oman	Indian Social Club Oman (Kerala Wing)	Post Box No 2916, Postal Code 112, RUWI,Sulthan of Oman	isckeralawing@yahoo.com	https://www.facebook.com/kera lawing/
178	Qatar	Indian Cultural Centre	P.O. Box: 2388,00974446 8 6607	iccqatar@gmail.com	https://www.iccqatar.com/

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179	Qatar	Viswakalavedi - DOHA	Post Box No. 82306,Doha - Qatar	viswakalavedi@gmail.com	http://www.viswakalavedi.com/
180	Qatar	Cultural Forum Qatar	Post Box No. 30018,Doha,Qatar	cfqatar@gmail.com	http://www.cfqatar.org/
181	Qatar	Sanskriti	Post Box No. 2701,Doha,Qatar	sanskritiqatar.info@gmail.com	http://sanskritiqatar.com/ https://www.facebook.com/San skritiQatar/
182	Qatar	Thrissur JillaSauhrudaVedi	Post Box No. 2052,Doha,Qatar	tjsvaqatar@gmail.com	https://www.facebook.com/tjsv qatar
183	Qatar	Yuvakalasahithy Qatar	Post Box No. 55958,Doha,Qatar	yuvakalasahithyqatar@gmail.co m	https://m.facebook.com/Yuvaka lasahithyQatar/
184	Qatar	Kerala Social and Cultural Association	Post Box No 32140,Doha,Qatar	kscaqatar@gmail.com	https://www.kscaqatar.org/

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185	Singapore	Singapore Malayalee Association	44 Race Course Rd,218558	info@malayalee.org.sg	https://www.malayalee.org.sg/
186	South Africa	Gauteng Malayalee Association	PO Box 44739,Linden 2104	gmajhb@gmail.com	https://gmasa.co.za/
187	Spain	Association of Malayalees in Barcelona	https://mabcn.org/	aldrinantony@gmail.com sindhu.joseph@gmail.com	https://mabcn.org/
188	Tanzania	Kalamandlam	PO Box 8418,Dares Salaam	si@kiooplass.com	www.kalamandalam.co.tz
189	UAE	Kerala Social Centre,Abu Dhabi	Kerala Social Centre,Abu Dhabi, P.O. Box- 3584	ksc@emirates.net.ae kscmails@gmail.com info@kscabudhabi.com	https://kscabudhabi.com/
190	UAE	Abu Dhabi Malayali Smajam	Abu Dhabi Malayali Smajam, P.O. Box 2779,Abu Dhabi	yesuseelan@yahoo.com msamajam@gmail.com	http://www.abudhabimalayalee samajam.com/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
191	UAE	India Social & Cultural Centre,	India Social & Cultural Centre, Abu Dhabi, UAE,P.O. BOX 816	insocial@emirates.net.ae info@iscabudhabi.com	https://iscabudhabi.com/
192	UAE	AnanthapuramNon Residents Association (ANORA)	Post Box No.2413,AbuDhabi,UAE,Tel No : 00971506155063	anoratvm@gmail.com	https://www.anoratvm.com/
193	UAE	AttingalNon Resident Association	Post Box No.1184,Dubai,UAE	anraservice@gmail.com	https://www.facebook.com/Atti ngalNonResidentsAssociationan ra/
194	UAE	Pathanapuram Pravasi Association UAE Chapter	Post Box No.27562,Dubai,UAE	pathanapurampravasi@gmail.co m	https://www.facebook.com/ppa uaechapter/
195	UAE	Abu Dhabi Mattul KMCC	Post Box No.126835,Abudhabi - UAE	abudhabimattulkmcc@gmail.co m	https://www.abudhabimattulkm cc.com/
196	UAE	Kairali Cultural Association	Post Box No.1868,Fujairah- UAE	kairalicaf@gmail.com	https://www.facebook.com/Kair ali-Fujairah-Youth-Festival-8th- January-2016- 873955802702735/?hc_ref=AR QyFMEbOfCIJTRPsaUdK64Ulhq oK0V_G_taLhUsPLAWfMN0XbS Adylcix_QRQApDRA&fref=nf&_

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					_xts%5B0%5D=68.ARDdUll6 WrGrfm7462_1f4B-h- f4nUnTtWciwDyfPNrj3PFUYoYk wduSztCTzVm_Y1cqLBLpPaCnp XGGyp7mX9xTsYUi1skw- nS9bXmimyQwCuP99P0zR29Y3 8rBAJvT01xfq62k2Rz1mocOV6 usdYiwO8jyAM- rlcjBGdHRUZVK3K_Oad3da1- fTrp21k6RyLxPVuOZOxbBy0vP Ulvaugb8YvKqRuOnwOaxa0xsx unhNIMUIX4HI7LoYj7yDpCnBJ 2kK_snXY- z_i1v_nM4wsrrXhTSn- E3PelXjH19tJ_LvtA&_tn_=kC- R
197	UAE	Indian Association Sharjah	Post Box No:2324,Sharjah - UAE	admin@iassharjah.com	https://www.iassharjah.com/
198	United Kingdom	Kala Keralam Association, Glasgow	https://www.facebook.com/k alakeralamglasgow/	jimmyjoseph84@gmail.com	https://www.facebook.com/kala keralamglasgow/
199	United Kingdom	Scotland Malayalee Association	www.smascotland.org	smaglasgow@yahoo.co.uk sunnypta@yahoo.com	www.smascotland.org

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No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
200	United Kingdom	Manchester Malayalee Association (M M A)	Melland High School Gorton Education Village,Gorton,Manchester,M 18 7DT	info@mmaonline.org.uk	http://www.mmaonline.org.uk/
201	United Kingdom	Malayali Medical Association UK(MMAUK)	https://www.mmauk.com/	info@mmauk.com	https://www.mmauk.com/
202	United Kingdom	Malayalee Association of the UK	Kerala House, 671 Romford Road Manor Park,LONDON E12 5AD	info@mauk.org secretary@mauk.org	https://mauk.org/
203	United Kingdom	Sahrudaya The West Kent Keralites	45, Lakewood Drive,TunbridgeWells,Kent, United Kingdom	sahrudaya.uk@gmail.com	https://www.sahrudaya.co.uk/
204	United Kingdom	Grand River Malayalee Association	977 Stonebrook Rd,Cambridge, ON N1T 1H5	secretary@grma.ca	https://www.facebook.com/grm acanada/
205	United Kingdom	Enfield Malayali Association (ENMA)	72 Winnington Road,Enfield,London EN3 5RJ	president@enma.co.uk secretory@enma.co.uk	www.enma.co.uk

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
206	United Kingdom	British Keralites Association (BKA)	South Hall Community Alliance,1 High Street SouthHallUB1 3HA	info@britishkeralites.org	https://www.britishkeralites.org/
207	United Kingdom	Malayali Association of Portsmouth (MAP)	https://www.mapportsmouth. org/	contact@portsmouthmalayali.or g	https://www.mapportsmouth.or g/
208	United Kingdom	Malayalee Association of Reading Community	21 Avon Place Reading Berkshire RG1 3LA	marcreading@ymail.com	https://rva.org.uk/
209	United Kingdom	Malayalee Association of Southampton	PO Box - 1595,Shirley,Southampton,H ampshire,SO16 8WU	MASouthampton@gmail.com	https://www.southamptonmalay alee.com/
210	United Kingdom	Maidstone Malayalee Association	https://www.maidstonemalay alee.com/	maidstonemalayalee@gmail.co m	https://www.maidstonemalayale e.com/
211	United Kingdom	Malayalee Association Sutton Surrey	https://mass-sutton.org/	mail@mass-sutton.org info@sutton-mass.org	https://mass-sutton.org/

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212	United Kingdom	Salisbury Malayalee Association	79, Montgomery Gardens, Salisbury, Wiltshire,SP2 7UG	salisburymalayaleeassociation@ gmail.com	https://salisburymalayaleeassoci ation.org/
213	United Kingdom	Oxford Malayalee Samajam(OXMAS)	https://oxmas.uk/	info@oxmas.co.uk president@oxmas.co.uk secretary@oxmas.co.uk	https://oxmas.uk/
214	United Kingdom	IMA Banbury	Banbury,Oxfordshire,United Kingdom	imabanbury09@yahoo.co.uk	https://ima-banbury.org/
215	United Kingdom	Gloucestershire Malayalee Association	http://kcagloucester.com/	admin@kcagloucester.com	http://kcagloucester.com/
216	United Kingdom	Taunton Malayali Association	https://www.facebook.com/p eople/Taunton- Malayali/100008419038906/	tauntonmalayaliassociation@gm ail.com	https://www.facebook.com/peo ple/Taunton- Malayali/100008419038906/
217	United Kingdom	Aylesbury Malayali Samajam	http://aylesburymalayalisama jam.co.uk/	aylesburymalayali@gmail.com	http://aylesburymalayalisamaja m.co.uk/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
218	United Kingdom	Exeter Communities Together	c/o UBUNTU Counselling Services, Room 1.5,Civic Centre, Paris Street,Exeter,Devon,EX1 1JN	admin@exetercommunitiestoge ther.org.uk	https://exetercommunitiestoget her.org.uk/
219	United Kingdom	Cardiff Malayalee Association	7 CreditionRoad,Llanrumney, Cardiff, CF3 5RL,United Kingdom	cmacardiff@gmail.com	https://cardiffmalayali.co.uk/
220	United Kingdom	Wigan Malayali Association	http://wiganma.blogspot.co m/	NOVINOMATHEWS@GMAIL.C OM MEETJINOJOY@YAHOO.CO.U K	http://wiganma.blogspot.com/
221	United Kingdom	Kerala Cultural Association Ipswich (KCAI)	http://www.kcaipswich.com	kcaipswich@gmail.com	http://www.kcaipswich.com
222	United Kingdom	Chelmsford Indian Association	http://www.chelmsfordindian association.org/	chelmsfordindians@gmail.com	http://www.chelmsfordindianas sociation.org/
223	United Kingdom	Malayalee Association of Cheltenham (MAC)	http://maccheltenham.com/	cheltenhammac@gmail.com	http://maccheltenham.com/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
224	United Kingdom	Liverpool Malayalee Association	32 Lichfield Road,Halewood Liverpool,L26 1TT,United kingdom	limaliverpool@gmail.com	http://www.limaliverpool.org
225	United Kingdom	Union of UK Malayalee Association	5 SaltrushRoad,Wythenshawe, Manchester,M22 0DJ	assi.uk@gmail.com secretary.ukma@gmail.com	https://www.uukma.org/
226	USA	Kerala Association of Kansas City	7500 W 151st St,#23142 Overland Park,KS 66283	Committee@kakc.org	https://kakc.org/
227	USA	Malayali Association Of Northern California (MANCA)	4023 Seven Hills RoadCastro Valley, CA 94546	Benzi.Alex@gmail.com info@mancaonline.org	www.mancaonline.org
228	USA	India Association of Nebraska	12531 Shamrock Road Omaha, NE 68154	communication@indiaassociatio nofnebraska.org	https://www.indiaassociationofn ebraska.org/
229	USA	Chicago Malayalee Association	834 E Rand Rd, Suite 13,Mount Prospect,IL- 60056,U.S.A	kannoo@comcast.net joshyvallikalam@gmail.com manojachettu@yahoo.com	https://chicagomalayaleeassoci ation.org/

And in case of the local division of the loc

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
230	USA	Kerala Association of Greater Washington (KAGW)	https://www.facebook.com/k agwusa/	president@kagw.com	http://kagw.com/ https://www.facebook.com/kag wusa/
231	USA	New England Malayalee Association Boston USA	https://nemausa.org/	president@nemausa.org vp@nemausa.org secretary@nemausa.org	https://nemausa.org/
232	USA	Federation Of Kerala Association In North America (FOKANA)	1107 St. Georges Avenue, Colonia NJ,United States of America	varughese61@aol.com Sajimonanthony1@yahoo.com info@fokanaonline.org	https://www.fokanaonline.com/
233	USA	The Greater Carolina Kerala Association	GCKA P.O. Box 1271 Apex,NC 27502-1271	info@gcka.com	https://gcka.com/
234	USA	Minnesota Malayalee Association	P.O. Box 525 Shakopee,MN- 55379	info@mnmalayalee.org	https://mnmalayalee.org/mma/
235	USA	Capital District Malayalee Association(CDMA)	1321 Central Ave Albany,NY, US 12205 NY	president@cdmany.org secretary@cdmany.org	https://www.facebook.com/cdm any/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
236	USA	The Kerala Club	2850 Parent Avenue,Warren, MI-48092	president@keralaclub.org	https://keralaclub.org/
237	USA	Kairali of Baltimore	9218 Georgia Belle Dr Perry Hall MD 21128 USA	info@kairaliofbaltimore.com	https://www.kairaliofbaltimore.c om/
238	USA	Charlotte Malayalee Association	P.O Box 20106 Charlotte,NC, 28202	charlottemalayali@gmail.com	https://www.cltma.org/ https://www.facebook.com/gro ups/cltma/
239	USA	Kerala Association of New England (KANE)	https://kaneusa.org/	secretary@kaneusa.org president@kaneusa.org	https://kaneusa.org/
240	USA	Kerala Cultural Society of Metropolitan Washington	KCSMW 88 Foxwell Bend Rd Glen Burnie MD 21061	kcsmw@kcsmw.org	https://www.kcsmw.org/
241	USA	Kerala Association of Washington (KAW)	https://www.kaow.org/	secretary@kaow.org	https://www.kaow.org/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
242	USA	Malayalee Association of Northern California	4718 Lago Vista Cir.San Jose, CA 95129	info@mancaonline.org	https://www.mancaonline.org/
243	USA	Greater Richmond Association ofMalayalees	https://gramam.net/	gramam.va@gmail.com	https://gramam.net/
244	USA	Arizona Malayalees	P.O Box # 573,Gilbert, AZ 85299	President@azmalayalees.org	www.azmalayalees.org
245	USA	Arkansas Kerala Association	PO Box 242041,Little Rock, AR 72223	keralaassociation@hotmail.com	http://www.arkeralaassociation. com/
246	USA	Kerala Association of Connecticut (KACT)	PO Box 271692,West Hartford, CT 06127; Ph: 860- 633-7787	jacobthomas0502@gmail.com	https://www.mykact.org/
247	USA	Orlando Regional United Malayalee Association	7555 Cranes Creek Court, Winter Park,FLN32792	orlandomalayalee@gmail.com	https://www.facebook.com/peo ple/Oruma- Orlando/100003497564420/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
248	USA	Indiana Malayalee Association	11681 Palisades Ct, Fishers,IN 46037	indianamalayaleeassociation@g mail.com	https://www.indianamalayaleea ssociation.org/
249	USA	Ohmkaram	1211 BlairshireDrive,Ballwin, MO 63001	info@ohmkaram.org	http://www.ohmkaram.org/
250	USA	Kerala Association of Nashville	https://www.kantn.org/	kan.nashville@gmail.com	https://www.kantn.org/
251	USA	Kerala Samajam of South Florida	http://www.keralasamajam.n et/	samajamsfl@gmail.com	http://www.keralasamajam.net/
252	USA	Federation of Malayalee Associations of Americas (FOMAA)	390 New Brunswick Ave,Fords, New Jersey 08863	info@fomaa.org fomaasocial@gmail.com	https://fomaa.com/
253	USA	Central Ohio Malayalee Association	PO Box 4141,Dublin,OH - 43016	coma.officials@gmail.com	www.comaohio.org

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
254	USA	Kerala Hindus of Arizona	P O Box 258,Higley,Arizona, 85236	azhindus@gmail.com	http://www.khaaz.org/
255	USA	Malayalee Association of Chicago	834 E Rand Rd, Suite 13,Mount Prospect,IL- 60056,U.S.A.	svallikalam@gmail.com kannoo@comcast.net joshyvallikalam@gmail.com	https://chicagomalayaleeassoci ation.org/
256	USA	Organization of Hindu Malayalees	PO Box 310 Artesia,CA 90701	ohm.ca.mail@gmail.com culturalcenter@ohmcalifornia.or g	www.ohmcalifornia.org
257	USA	India Association of Phoenix	P.O. 60121,Phoenix,Arizona 85081-0121	president@iaphx.org secretary@iaphx.org ambadi@cox.net	www.phoenixindiaassociation.o rg
258	USA	American Indian Foundation (AIF)	4800 Great American Parkway, Suite 400 Santa Clara,CA 95054	luz.pacheco@aif.org	www.aif.org
259	USA	Kerala Association of Colorado	PO Box 3411,Parker,CO 80134	president@colorkerala.org	https://www.colorkerala.org/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
260	USA	Sacramento Regional Association of Malayalees (SARGAM)	2501 New Market DrSacramento,CA 95835,United States	president@sargam.us secretary@sargam.us	https://www.sargam.us/
261	USA	Orlando Regional Malayalee Association	https://www.facebook.com/g roups/72592744314/	orma1996@gmail.com	http://kuriakose.com/ https://www.facebook.com/gro ups/72592744314/
262	USA	Detroit Malayalee Association	926 Baldwin Dr., Troy,MI 48098 313-529-8852	nfo@dmausa.org	http://www.dmausa.org/
263	USA	St. Louis Malayalee Association	http://www.stlma.org/	mohanabekk@yahoo.com	http://www.stlma.org/
264	USA	Kala Vegas (Las Vegas Malayali Association)	9204 Bronze River Ave, Las Vegas, NV 89149,United States	Kalavegas@gmail.com	https://kalavegas.blogspot.com / https://www.facebook.com/KAL AsVegas/
265	USA	Kerala Association of New Jersey	24 Bloomingdale Dr 2c, Hillsborough,NJ, 08844	Chemma1@yahoo.com kanj.itgroup@gmail.com	https://www.kanj.org/

No	Country	Name of Diaspora Organisation	Address of Organisation	E-mail id	Web/Social Media page
266	USA	Greater Rochester Association of Malayalees	40 Sutton Point, Pittsford,NY 14534	amenon@rochester.rr.com	https://www.gramny.org/
267	USA	The Kerala Association of Ohio	34000 Willow Creek Pl,Willoughby, OH 44094 (248)854-9719	president@kaoh.org	https://kaoh.org/
268	USA	Susquehanna Malayalee Association	600 N 2nd Street, Suite 401 Harrisburg, PA 17101 Phone: (717) 298-0148.	eb@smaharrisburg.com gb@smaharrisburg.com	http://smaharrisburg.com/
269	USA	The Kerala Association of Dallas	3821 Broadway Blvd Garland, TX 75043, USA	<u>dvkunnel@gmail.com</u> pradeepnaganoolil@yahoo.com <u>koshym901@gmail.com</u>	http://www.keralaassociation.or g/

Table 5

Institution Collaboration of Scholars

No.	Institution collaboration of scholars
1	Amala Hospital
2	Amrita University School of Medicine
3	Aster-MIMS Kozhikode
4	Bharathmatha College of Arts and Science, Kozhinjampara, Palaghat
5	Bishop Moore College, Mavelikara
6	Calicut medical college
7	Calicut University
8	CIFT, Kochi
9	CMFRI KOCHi
10	Cochin Cancer Center
11	College of Dairy science and technology
12	College of Engineering, Trivandrum
13	College of Forestry, Vellanikkara, Thrissur
14	College of Veterinary & Animal Sciences, Thrissur
15	CSIR-National Institute for Interdisciplinary Science and Technology
16	Devamatha College, Kuravilangadu
17	Government Engineering college, Trichur
18	Government medical College, Pariyram, Kannur
19	ICAR-Central Marine Fisheries Research Institute
20	IISER Trivandrum
21	IIT Palakkad, GEC TCR, GEC Kidangoor
22	Indian Institute of Management Kozhikode
23	Innovature Software labs ,Pinmicro Inc
24	Institute of Management in Kerala (IMK) of University of Kerala.
25	Institute of Mental Health and Neurosciences (IMHANS), Calicut, Kerala, India
26	Jubilee mission medical college, Thrissur
27	Jyothi Engineering College, Thrissur
28	Kerala Agricultural University
29	Kerala Institute of Tourism and Travel Studies (KITTS), Trivandrum
30	Kerala University of Fisheries and Ocean Science
31	Kerala Veterinary & Animal Sciences University
32	Kerala Veterinary and Animal Sciences University, Pookode, Wayanad
33	LBSITW, Poojappura, Trivandrum
34	Loyola School, Trivandrum
35	MA College For Advanced Studies Tiruvalla (MACFAST)
36	Mahatma Gndhi University, Ayyankali Chair of Social Transformation
37	Manipal Academy of Higher Education - Manipal College of Health Professions
38	Mar Ivanios College

39	Marine Geology and Geophysics, School of Marine Sciences, CUSAT
40	Medical College, Thiruvananthapuram
41	MES College Marampally. Kerala
42	MG University, School of Behavioural Sciences,
43	MG University, School of International Relations and Politics
44	National Centre for Earth Science Studies (NCESS)
45	NIIST(CSIR), Trivandrum
46	NIT, Kozhikode
47	Pushpagiri Institute Medical Sciences & Research
48	Rajagiri Business School
49	Rajiv Gandhi Center for Biotechnology, Kerala
50	Regional Cancer centre, Trivandrum
51	S.B. College, Changanasherry& University College, Trivandrum
52	Sacred Heart College, Thevara, Cochin, Cochin University
53	Sahrdaya College of Engineering and Technology, Kodakara, Trichur
54	School of Medical Education, Mahatma Gandhi University
55	Sree Chitra Tirunal Institute
56	Sree SankaraColelge, Kalady
57	Sri Chithra Institute of Medical Sciences
58	St.Joseph's College, Devagiri,Calicut.
59	TKM College of Engineering, Kollam
60	UC College, Aluva
61	University of Kerala
62	University of Kerala (Institute of Management in Kerala).
63	University of Kerala, CUSAT, MG University, CSIR-NIIST, FISAT etc.

Table 6

Country wise no. of Keralite-diaspora organisations

Name of the country	Nos
Australia	14
Austria	7
Azerbaijan	1
Bangladesh	1
Brunei	1
Canada	18
Denmark	1
Ethiopia	1
Finland	1
France	1
Georgia	1
Germany	4
Ghana	1
Hong Kong	1
Indonesia	1
Ireland	10
Israel	1
Italy	6
Japan	1
Kenya	1
Bahrain	16
Saudi Arabia	14
Kuwait	63
Lebanon	1
Malawi	1
Malaysia	3
New Zealand	5
Oman	1
Qatar	7
Singapore	1
South Africa	1
Spain	1
Tanzania	1
UAE	12
United Kingdom	28
USA	43

Table 7

Specilaisation Areas of Scholars (Registered)

Specialisation Areas
Aerospace manufacturing
Aging biology
Agriculture and Natural Resources
agroforestry systems
Animal Science
Anthropology, Development Studies
Aquaculture
Aquaculture Economics and Marketing
Artificial Intelligence
Bio-chemical sciences
Biodegradation, Drug resistance
Bioinformatics-Computational Biology, Cancer Genomics
Biomaterials & Biomedical Devices
Biomaterials development, Artificial skin development, Nanomedicine, 3D bioprinting
Biomedical engineering
Biomedical-Bioinformatics-cancer Genomics
Biometrics- Computer Vision
Biosensing, Diagnostic device
Biotechnology
Business Studies
Business; Innovation; Digital Transformation
Cancer Biology, Bioinformatics, Clinical Translation, Biomarker development
Cancer research and drug development
Cereal Science
Chemical and Biological Sensor development
Chemical Engineering, Nanotechnology

Specialisation Areas
Climate Change
Cognitive Neuroscience
Community Medicine/Public Health
condensed matter physics and materials physics
Construction & Building Materials
Construction informatics, Digital transformation
Cybersecurity, Artificial Intelligence
Data Science, Artificial Intelligence
Dental-Maxillofacial Radiology
Dentistry, Endodontics
Developmental Biology
Drug Science
Electrochemistry
Endocrinology
Environmental Geoscience
Epidemiology and Biostatistics
Finance and Economics
Fluorescence microscopy & opensource tools
Food safety, food animal microbiology
Functional Genomics & Cancer Research
Gender Studies - Community Development
Genetics, BMenetics, Biological Psychiatry
Genomics, immunology, molecular biology
Geotechnical Engineering
Geriatrics and Clinical research
GIS analysis, database management
Haptics, Tactile Displays, Assistive Devices
Healthcare Informatics, Human Factors Engineering
Highway Design

Specialisation Areas
Human Visual System, Neuroscience
Immunology, Infectious diseases, Virology
Immuno-oncology, Translational Medicine
Industrial and Systems Engineering
Information Theory, High Dimensional Probability Theory
International Business Pedagogy
International Political Economy
International tax policy
Journalism
Labor Studies
Machine learning and data science
Manufacturing, Augmented Reality, RFID
Marine Geophysical Survey
Marine Industry-Ship technology
material science and engineering
Material Science-Energy Development
Materials Science (Polymers; Energy; Sustainability)
Meat Science, Food Science, Sustainability
Medical Genetics & Genomics
Medical research Industry
Micro electronics, Semiconductors
Migration, cultural studies
Molecular Chemistry
Nano Science Energy Studies
Nano-bioscience
Nanomaterials and optoelectronics
Nanoparticle physics
Nanotechnology, drug delivery
Natural Hazards

Specialisation Areas
Neonatal Medicine
Nephrology, kidney transplantation
Neuroscience
Ocean Optics and Remote Sensing
Oceanography & Fisheries
Oil Exploration
Oncology and public health
organic synthesis, green chemistry
Orthopaedics research
Ovarian cancer research
Particle physics theory
Patient care Research and education
Pharmacology/Biochemistry
Photonics Sensing and Engineering
Polymer nanocomposite research
Polymeric Bionanomaterials
Quality and Productivity & Statistical technique
Recovery & Recycling of rare earth metals
Rehabilitation Studies
Respiratory physiology, Mechanobiology.
South Asian History
Space Science, Remote Sensing
Spinal cord regeneration
Strategic Management
Sustainability studies
Sustainable Nanotechnology
Sustainable vegetable production
Theoretical and Computational Chemistry
Theoretical Physics

Specialisation Areas

Tourism and Hospitality

Underwater Robotics

Vaccines, immunology, Pre-Clinical research

Virology-mRNA-vaccines

Water Resources Engineering & Management



Annexures

PROCEEDINGS OF THE MEMBER SECRETARY STATE PLANNING BOARD, THIRUVANANTHAPURAM (Present: Dr. VENU.V. IAS)

Sub: Short-term study Proposal -"Building up Database of the Keralite-Academic Diaspora around the Globe" - Administrative Sanction accorded- Order issued

Read:

- 1. GO (P) No.38/16/Plg dated 05/09/2016 of the P&EA Department
- 2. GO(Rt) No.249/2020/P&EA dated 08/06/2020
- Email received from Dr. Rajan Gurukkal, Vice Chairman, Kerala State Higher Education Council, Dated: 05/02/2021
- 4 Letter.No. KSHEC-A7/720/MS/Drct/2020(Term Project) from Dr Rajan Varughese, Member Secretary, Kerala State Higher Education Council, Thiruvananthapuram dated 19/02/2021

ORDER No. 130/2021/EVN/SPB DATED : 22/02/2021

The Vice Chairman, State Planning Board has the delegation of power to sanction \gtrless 10 lakh in each case in terms of studies, surveys, research relating to the functioning of State Planning Board as may be necessary subject to budget provision either directly by State Planning Board or through established research institutions as per order read as 1st above.

As per the order read as 2nd above, the Govt have accorded administrative sanction for the scheme 'Preparation of Plans & Conduct of Surveys and Studies' by meeting the expenditure under the head of account 3451-00-101-93-00-34-03-other items (Plan), from the current year's budget provision.

The Vice Chairman, Kerala State Higher Education Council, Vikas Bhavan, Thiruvananthapuram has forwarded the study proposal titled, –"Building up Database of the Keralite-Academic Diaspora around the Globe"- at an estimated cost of \gtrless 3,00,000/- (Rupees Three Lakh Only) and will be completed within a period of 6 months as per reference 3rd cited. The study intends to prepare a detailed Data Pool of the academically enriched Keralites who are working in different parts of the world in different fields like Economics, Environment, Information Technology, Medical research, Disaster management, R&D, Science etc.

The purpose of the study is to:

a) Attract, share, evolve, integrate and incorporate Keralite- academics in advanced fields of science, technology and social sciences for the quality enhancement in the higher education institutions in Kerala.

b) Effectively implement the Erudite Scholar –in-Residence cum Brain Gain programme and locate experts relevant for the enhancement of State's intellectual property contribution

c) Establish communication directly with the experts and it will identify experts in high-tech industries and invite them for generating ideas for the reconstitution of the curricula of the higher education institutions

d) Provide advisory support to the Govt by using the above database in relevant matters of expertise

Method of Data Mobilisation will be done through Direct search from National and International web based sources ,web based institutional Combing and indirect search via correspondence with persons, academicians, scientists, social scientists, technologists, Regional Malayali Organisations abroad, medical professionals, technocrats/CEOs of Multinational Companies, Malayali Students Organisations, Parents of Students abroad and data call notification through the website of Universities in the state.

As per the references 3rd & 4th, the Vice Chairman, KSHEC, Thiruvananthapuram has forwarded the study proposals with project cost and details of Principal investigator as given below.

SI.	Study	Principal	Sanctioned
No	proposal	Investigator	Amount
1	Short –term Project on – "Building up Database of the Keralite-Academic Diaspora around the Globe"	Dr Manulal .P Ram Research Officer, Kerala State Higher Education Council, Thiruvananthapuram	Rs.3,00,000 (Rupees Three Lakh Only)

In the above circumstances, Administrative Sanction is here by accorded to conduct the short term study for an amount of ₹3,00,000- (Rupees Three Lakh Only) subject to the following conditions:

Copy to:-

- 1. PA to the Vice Chairperson, State Planning Board, Pattom
- 2. All Members, State Planning Board, Pattom
- 3. PA to Member Secretary, State Planning Board.
- 4. The Senior Administrative Officer, Kerala Sate Planning Board.
- 5. All Chiefs, Kerala State Planning Board.



கேறதo केरल KERALA

CX 703487

AGREEMENT This contract is made on A To A C 2.2.2.1 This contract is made on A To A C 2.2.2.1 between The Member Secretary, State Planning Board, Pattom and successors of one part (first party) And Member Secretary, Kerala State Higher Education Council, Vikas Bhavan Thiruvananthapuram (second party)

PURPOSE

As part of plan formulation process State Planning Board conducts various studies, research and surveys through established research institutions. The Vice Chairman, State Planning Board has the delegation of power to sanction Rupees 10 Lakh in each case on items of studies, surveys, research relating to the functioning of State Planning Board as may be necessary subject to budget provision either directly by State Planning Board or through established Research Institutions vide G.O.(Ms)No.38/16/Plg. dated 05.09.2016.

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STAME PUTHEN CHANTHAI HIRUVANANTHAPURAM

ANNEXURES: KSHEC-SPB /SHORT-TERM PROJECT (130/2021/EVN/SPB)



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Based on this, State Planning Board has issued proceeding vide order No. ¹30/2021/EVN/SPB dated 22—2-2021 giving administrative sanctions to undertake the study on **building up Database of the Keralite-Academic Diaspora around the Globe** at a total gost of ₹ 300000/- (Rupees Three Lakhs only) inclusive of all taxes.

This agreement is made to enter into a contract with the second party for the studies, research and surveys for the use of the State Planning Board during the financial year 2020-2021. The agreement shall be in accordance with the provisions as laid down in the diministrative sanction vide order No. 130/2021/EVN/SPB dated 22-2-2021 issued for this purpose. AccordinglyDr. Manulal P. Ram. Research Officer, Kerala State Higher Education Council, Thiruvananthapuram (name of Principal Investigator) is selected to conduct the study onBuilding up Database of the Keralite-Academic Diaspora around the Globe (topic) at i total cost of \gtrless 3,00000/-.

This agreement is executed for undertaking the study on **Building up Database of** the Keralite-Academic Diaspora around the Globe (specify title) between the first party and the second party.

The Second Party shall agree to undertake the study subject to the following conditions:

PUTUES CHANTHAI



The report shall be in accordance with the methodology and objectives as scrutinized and approved by SPB

- The second party shall abide by the norms and conditions of SPB specified in the administrative sanction
- 3. The Principal Investigator shall produce a no objection certificate from the head of respective institution to take up the study and it will not affect routine work of the institution
- 4. The maximum period for completing the study shall be 6 months
- 5. Interim report shall be submitted before submission of the final report
- 6. The final report shall be presented before the officials of the State Planning Board within the prescribed time limit
- 7. The Principal Investigator shall invariably attend the meeting in State Planning Board in connection with the progress of the study
- 8. If the Principal Investigator/ investigating institution could not undertake the study or complete the report, they should report the matter before the SPB officials in writing and the entire advance amount received (if any), with the government approved rate of interest shall be refunded
- 9. The 40% of sanctioned amount of the study shall be released immediately after signing the agreement, another 40% at the time of draft report and final 20% after the submission of final report
- 10. The utilization certificate and audited expenditure statement shall be furnished along with final claim

SIGNATURE OF THE PARTIES

IN WITNESS WHEREOF the parties hereto have signed this agreement on the day, month and year mentioned above

(Second Party) 100 Vinghero Member Secretary Kerala State High Breation YARUGHESE Thiruvananthanuram of Secretary The Kerala State Figher Education Council (Head of the Investigating hasting period (Official Address and seal)

(1) Dr. Shafeeque V.

Date: 4-3-2021

(First Party)

Member Secretary, State Planning Board, Pattom.

Date:----

Witness

1.

2

Kze

Research officer, Kerala State Higher Education Council

Date:----(2) Dr. Manufal P. Ram The ____3 2024 Date: Rescarche officer, KSHEC, Throwan hopm

ANNEXURES: KSHEC-SPB /SHORT-TERM PROJECT (130/2021/EVN/SPB)

ROULDS

PROCEEDINGS OF THE MEMBER SECRETARY STATE PLANNING BOARD, THIRUVANANTHAPURAM (Present: Dr. VENU.V. IAS)

Sub: Short-term study Proposal -"Building up Database of the Keralite-Academic Diaspora around the Globe" – Fund release – First instalment - Sanction accorded- Order issued

Read:

- 1. GO (P) No.38/16/Plg dated 05/09/2016 of the P&EA Department
- 2. GO(Rt) No.249/2020/P&EA dated 08/06/2020
- Email received from Dr. Rajan Gurukkal, Vice Chairman, Kerala State Higher Education Council, Dated: 05/02/2021
- Letter.No. KSHEC-A7/720/MS/Drct/2020(Term Project) from Dr. Rajan Varughese, Member Secretary, Kerala State Higher Education Council, Thiruvananthapuram dated 19/02/2021
- 5. Order No.130/2021/EVN/SPB dated: 22/02/2021 of Member Secretary. State Planning Board
- 6. Agreement executed by Member Secretary, Kerala State Higher Education Council, Thiruvananthapuram with State Planning Board on 08/03/2021
- Email received from Dr Manulal P Ram ,Research Officer, Kerala State Higher Education Council, Vikas Bhavan Thiruvananthapuram dated 08/03/2021

ORDER No. 130/2021/EVN/SPB DATED : 09/03/2021

The Vice Chairman, State Planning Board has the delegation of power to sanction ₹ 10 lakh in each case in terms of studies, surveys, research relating to the functioning of State Planning Board as may be necessary subject to budget provision either directly by State Planning Board or through established research institutions as per order read as 1st above.

As per the order read as 2nd above, the Govt have accorded administrative sanction for the scheme 'Preparation of Plans & Conduct of Surveys and Studies' by meeting the expenditure under the head of account 3451-00-101-93-00-34-03-other items (Plan), from the current year's budget provision.

The Vice Chairman, Kerala State Higher Education Council, Vikas Bhavan, Thiruvananthapuram has forwarded the study proposal titled, –"Building up Database of the Keralite-Academic Diaspora around the Globe"- at an estimated cost of ₹ 3,00,000 (Rupees Three Lakh Only) and will be completed within a period of 6 months as per reference 3rd cited. The study intends to prepare a detailed Data Pool of the academically enriched Keralites who are working in different parts of the world in different fields like Economics, Environment, Information Technology, Medical research, Disaster management, R&D, Science etc.

The purpose of the study is to:

a) Attract, share, evolve, integrate and incorporate Keralite- academics in advanced fields of science, technology and social sciences for the quality enhancement in the higher education institutions in Kerala.

b) Effectively implement the Erudite Scholar –in-Residence cum Brain Gain programme and locate experts relevant for the enhancement of State's intellectual property contribution

c) Establish communication directly with the experts and it will identify experts in high-tech industries and invite them for generating ideas for the reconstitution of the curricula of the higher education institutions

d) Provide advisory support to the Govt by using the above database in relevant matters of expertise

Method of Data Mobilisation will be done through Direct search from National and International web based sources .web based institutional Combing and indirect search via correspondence with persons, academicians, scientists, social scientists, technologists, Regional Malayali Organisations abroad, medical professionals, technocrats/CEOs of Multinational Companies. Malayali Students Organisations, Parents of Students abroad and data call notification through the website of Universities in the state.

Administrative sanction was accorded to conduct the study and will be completed within a period of 6 months vide order 5th above. The funding pattern for the study is in the ratio 40:40:20 and 1st instalment will be transferred to the bank account of Kerala State Higher Education Council after entering agreement with State Planning Board in stamp paper of minimum ₹ 200 and was made on 08.03.2021 vide reference 6th cited.

The Principal Investigator, Dr Manulal P Ram, Research Officer, Kerala State Higher Education Council, Vikas Bhavan Thiruvananthapuram has requested to release the 1st instalment of Rs 1,20,000 for the initial work of the Project vide reference 7th cited. Therefore the institution is eligible to get the 1st instalment of **Rs.1,20,000 (Rupees one lakh twenty thousand only)** as detailed below.

1

SI. No	Study proposal	Principal Investigator	AS Amou nt	40% of sanctioned amount (1" instalment)	Bank a/c details of the institutions to credit the amount
1	Short -term Project on -"Building up Database of the Keralite-Academic Diaspora around the Globe"	Dr. Manulal.P. Ram Research Officer. Kerala State Higher Education Council, Vikas Bhavan Thiruvananthapuram	Rs.3.00.000 (Rupees Three Lakh Only)	Rs.1.20.000 (Rupees One lakh twenty thousand only)	a/c 336302010139637 IFSC UBINO 533637 Union Bank of India Main Branch Statue Thiruvananthapuram

In the circumstances, sanction is hereby accorded to draw and disburse a total amount of Rs. **1,20,000 (Rupces One Lakh Twenty Thousand Only)** via credit to the bank account of the institution as per the above table. The amount shall be met from the current year's Budget Provision for the scheme "Preparation of Plans and Conduct of Surveys and Students under the Head of Account 3451-00-101-93-34 (Plan).

> (sd/-) Dr. Venu. V. IAS Member Secretary

То

- 1. The Accountant General (A&E/Audit)
- 2. The Member Secretary, Kerala State Higher Education Council, Thiruvananthapuram
- 3. The Sub Treasury, Vellayambalam
- 4. The Accounts Section/Bill (for drawing and disbursing the amount)
- 5. Stock File/Office copy

Copy to:-

- 1. PA to the Vice Chairperson, State Planning Board, Pattom
- 2. All Members, State Planning Board, Pattom
- 3. PA to Member Secretary, State Planning Board.
- 4. The Senior Administrative Officer, Kerala Sate Planning Board.
- 5. All Chiefs, Kerala State Planning Board.

Approved for Issue

Chief(i/c) Evaluation Division

PROCEEDINGS OF THE MEMBER SECRETARY STATE PLANNING BOARD, THIRUVANANTHAPURAM (Present: Shri.TEEKA RAM MEENA, IAS)

Sub: Short-term Project Proposal -"Building up Database of the Keralite-Academic Diaspora around the Globe" – Second instalment- Sanction accorded- Order issued

Read:

- 1. GO (P) No.38/16/Plg dated 05/09/2016 of the P&EA Department
- 2. GO(Rt) No.312/2021/P&EA dated 28/07/2021 of the P&EA Department
- Order No.130/2021/EVN/SPB dated 22/02/2021 of the Member Secretary, State Planning Board
- Order No.130/2021/EVN/SPB dated 09/03/2021 of the Member Secretary, State Planning Board
- Email from Dr .Manulal.P.Ram, Research Officer(Principal Investigator of the project), Kerala State Higher Education Council dated 14/07/2021 & 15/07/2021

ORDER No. 130/2021/EVN/SPB DATED : 06/08/2021

The Vice Chairman, State Planning Board has the delegation of power to sanction ₹ 10 lakh in each case in terms of studies, surveys, research relating to the functioning of State Planning Board as may be necessary subject to budget provision either directly by State Planning Board or through established research institutions as per order read as 1st above.

The Government have accorded administrative sanction for the scheme 'Preparation of Plans & Conduct of Surveys and Studies' by meeting the expenditure under the head of account 3451-00-101-93-00-34-03-other items (Plan), from the current year's budget provision as per the order read as 2nd above.

Administrative sanction was accorded to conduct the project "Building up Database of the Keralite-Academic Diaspora around the Globe" for the total amount of \gtrless 3,00,000 and Dr .Manulal.P.Ram, Research Officer, Kerala State Higher Education Council is the Principal Investigator for the Project vide order 3rd above. The funding pattern for the project is fixed in the ratio 40:40:20 and first instalment of \gtrless 1,20,000(40% of the sanctioned amount) has been released to Kerala State Higher Education Council for initiating the project as per the conditions made in the administrative sanction, vide order 4th above

Now the Kerala State Higher Education Council has been submitted draft report on the project "Building up Database of the Keralite-Academic Diaspora around the Globe" and has

requested to release the remaining part of the project fund for the completion of the project vide read as 5th above. Besides, the Principal Investigator, Dr .Manulal.P.Ram, Research Officer, Kerala State Higher Education Council has been submitted the item wise expenditure breakup also.

As per the conditions made in the administrative sanction for the short term project, second instalment (40%) shall be released after submission of draft report. Therefore the institution is eligible to get the 2^{nd} instalment of \gtrless 1,20,000 (Rupees one lakh twenty thousand only) as detailed below

SI. No	Study proposal	Principal Investigator	AS Amou nt	40% of sanctioned amount (2 nd instalment)	Bank a/c details of the institutions to credit the amount
1	Short -term Project on -"Building up Database of the Keralite-Academic Diaspora around the Globe"	Dr. Manulal.P. Ram Research Officer, Kerala State Higher Education Council, Vikas Bhavan Thiruvananthapuram	Rs.3,00,000 (Rupees Three Lakh Only)	Rs.1.20,000 (Rupees One lakh twenty thousand only)	a/c 336302010139637 IFSC UBINO 533637 Union Bank of India Main Branch Statue Thiruvananthapuram

In the circumstances, sanction is hereby accorded to draw and disburse a total amount of Rs. **1,20,000 (Rupees One Lakh Twenty Thousand Only)** as second instalment via credit to the bank account of the institution as per the above table. The amount shall be met from the current year's Budget Provision for the scheme "Preparation of Plans and Conduct of surveys and Students under the Head of Account 3451-00-101-93-00-34-03-other items.

Approved for issue

Chief (i/c), Evaluation Division

TeekaRam Meena, IAS Member Secretary

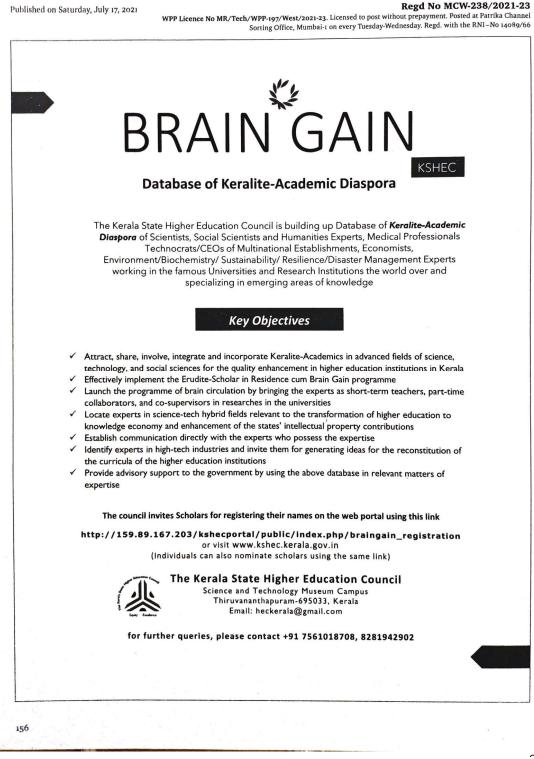
ANNEXURES: KSHEC-SPB /SHORT-TERM PROJECT (130/2021/EVN/SPB)

То

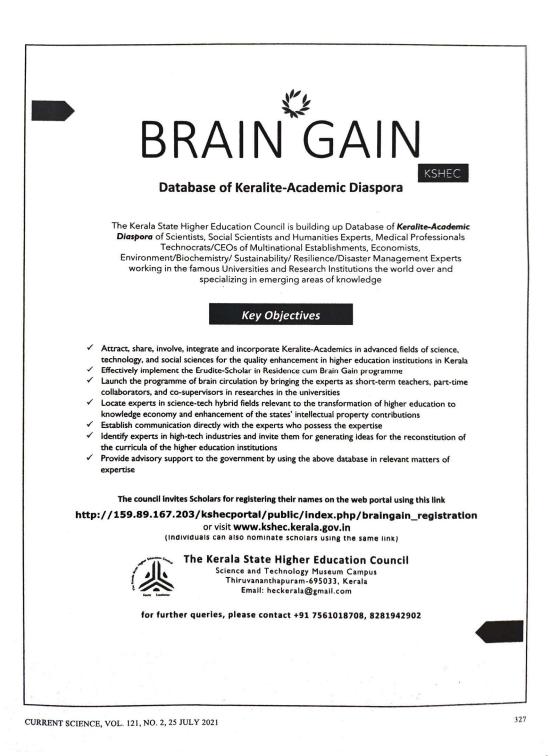
- 1. The Accountant General (A&E/Audit)
- 2. The Member Secretary, Kerala State Higher Education Council, Thiruvananthapuram
- 3. Dr .Manulal.P.Ram, Research Officer, Kerala State Higher Education Council, Thiruvananthapuram.
- 4. The Sub Treasury, Vellayambalam.
- 5. The Accounts Section/Bill (for drawing and disbursing the amount).
- 6. Stock File/Office copy.

Copy to:-

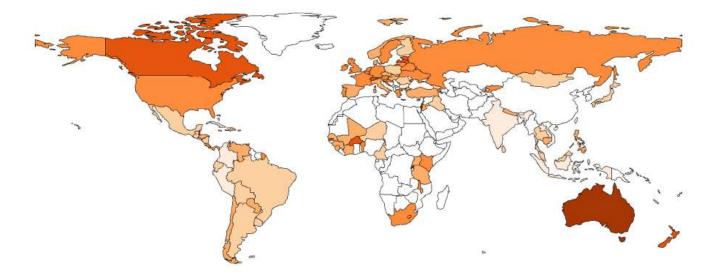
- 1. PA to the Vice Chairperson, State Planning Board, Pattom
- 2. All Members, State Planning Board, Pattom
- 3. PA to Member Secretary, State Planning Board.
- 4. The Senior Administrative Officer, Kerala Sate Planning Board.
- 5. All Chiefs, Kerala State Planning Board.



ANNEXURES: KSHEC-SPB /SHORT-TERM PROJECT (130/2021/EVN/SPB)



ANNEXURES: KSHEC-SPB /SHORT-TERM PROJECT (130/2021/EVN/SPB)



130/2021/EVN/SPB Short-Term Project -Completion Report Building Up Database of Keralite-Academic Diaspora Around the Globe

The Kerala State Higher Education Council | State Planning Board of Kerala

Thiruvananthapuram November, 2021