



**CONSOLIDATED REPORT
(ACADEMIC)**



Kairali Research Awards

2018 to 2026

Prepared & Submitted by:

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KAIRALI RESEARCH AWARDS

CONSOLIDATED (ACADEMIC) REPORT

1. Introduction

In 2018, the Government of Kerala have announced Kairali Research Awards to those candidates who excel in a particular subject with an aim to encourage the most eminent research scholars and research pedagogues of the state and have constituted a selection committee for the purpose of selecting the eligible candidates for the awards vide G.O. (Rt) No. 820/2018/HEDN dated 24-4-2018. The Kerala State Higher Education Council has been designated as the secretariate for the Kairali Research Awards.

2. Selection Committee & Members

The Government have constituted a selection committee for the selection of awards which includes eminent scholars from various subject disciplines vide the G.O.(Rt) No. 820/2018/HEDN Dated, Thiruvananthapuram, 24/04/2018 and assigned the Kerala State Higher Education Council as the secretariate for the implementation of the scheme. The following Table 1 shows the list of selection committee members.

Table 1

No	Name and Address of Selection Committee Members	Role
1	Dr. P. Balaram Former Director, Indian Institute of Sciences, Bengaluru	Chairman
2	Dr. Prabhath Patnaik Former Professor, Centre for Economic Studies and Planning, School of Social Sciences at JNU and Former Vice Chairman of State Planning Board, Kerala	Member
3	Dr. E.D. Jemmis Professor of Theoretical Chemistry, Indian Institute of Science, Bengaluru and Founder Director, Indian Institute of Science Education and Research, Thiruvananthapuram	Member
4	Prof. Satchidanandan Noted Poet and Critic, Member of Advisory Council of Kerala State Higher Education Council	Member



No	Name and Address of Selection Committee Members	Role
5	Dr.Thanu Padmanabhan, Distinguished Professor, Inter- University Centre for Astronomy and Astrophysics, (IUCAA), Pune.	Member (Expired)

3. Nature & Type of Awards

The awards are categorized into four main types: Gaveshaka Puraskaram, Gaveshana Puraskaram, and the Lifetime Achievement and Global Lifetime Achievement Awards. Each category covers multiple disciplines, including Arts and Humanities, Biological Sciences, Chemical Sciences, Physical Sciences, and Social Sciences. The Gaveshaka Puraskaram, valued at ₹5,00,000 per recipient, is awarded to doctoral students from recognized universities in Kerala to support their research endeavours. The Gaveshana Puraskaram, offering ₹25,00,000 per recipient, is granted to faculty members excelling in research within the state's universities and colleges to carry out cutting edge research. The Kairali Lifetime Achievement Awards are further divided into three subcategories: for scholars within Kerala (₹2,50,000 per recipient) for their contributions in the respective field, and finally, the Kairali Global Lifetime Achievement Awards for Kerala-origin scholars within India (₹5,00,000 per recipient), and for Kerala-origin scholars abroad on alternative years basis. In each category the prize money is also included along with citation. In Kairali Gaveshaka and Gaveshana Puraskaram categories, the research fund is the primary component of award amount. Included. The details of the types and category of awards are given the table below (Table 2)

Table 2

No	Description	Value of Award	Total number	Total value money including Project fund (₹)
1	Title: Gaveshaka Puraskaram (one each in Chemical Sciences, Biological Sciences, Physical Sciences, Social Sciences, Arts and Humanities)	₹ 5,00000/- (prize money & permissible limit of Project fund)	5/year	₹ 15,00,000.00
2	Title: Gaveshana Puraskaram (one each in Chemical Sciences, Biological Sciences, Physical Sciences, Social Sciences, Arts and Humanities)	₹ 25,00000/- (prize money & permissible limit of Project fund)	5/year	₹ 1,25,00000.00
3	Title: Kairali Lifetime Achievement Award (i) Kairali Lifetime Achievement Prize for Researchers (scholars from institutions within Kerala) (Sciences, Social Sciences, Arts and Humanities)	₹ 2,50000/-	3/year	₹ 7,50,000.00



No	Description	Value of Award	Total number	Total value money including Project fund (₹)
4	Title: Kairali Global Lifetime Achievement Prize for Researchers (Kerala Origin Scholars—within India & Abroad on alternate years basis) (Sciences, Social Sciences, Arts and Humanities)	₹ 5,00,000/- Alternative years	3/year	₹ 15,00,000.00
Total Amount allocated for the awards				₹1,72,50,000.00

4. Awards and eligibility Conditions

The guidelines have prescribed the eligibility conditions in detail for the candidates applying for the awards. The nominations for the Lifetime & Global lifetime awards category can be sent by the institutions in this sector. The types of awards and eligibility criteria and subjects areas of the awards are provided in the table below (Table 3)

Table 3

No	Name of Award	Eligibility Criteria	Subject Areas
1	Gaveshaka Puraskaram	Students of Doctoral Degree obtained from a recognized University in Kerala are given this award to continue innovative research	Chemical Science/Physical Science/Biological Science/Social Science/Arts and Humanities
2	Gaveshana Puraskaram	Faculty members of Universities or Colleges of Kerala, excelled in research/pursuing research in cutting edge areas	Chemical Science/Physical Science/Biological Science/Social Science/Arts and Humanities
3	Lifetime Achievement	Scholars of institution within Kerala	Science/Social Science/Arts and Humanities
4	Global Lifetime	Scholars of Kerala origin within India or Abroad	Science/Social Science/Arts and Humanities

5. Role of Universities

The guidelines of the Kairali Research Awards mentions about the role of universities in this process. Universities can nominate the scholars for the award of Lifetime & global lifetime categories. The applications of Gaveshaka Puraskaram (faculty) coming from the affiliated colleges can be brought through the respective universities. Nodal officers are designated in each university for routing such applications (List of Nodal officers provided in the Table 4).



Table 4
List of Nodal Officers at Universities for Kairali Awards

University	Name of Nodal Officer	Address	email	Mobile
Mahatma Gandhi University	Dr.Robinet Jacob	Director, School of Tourism Studies	kairaliaward2018@mgu.ac.in	9447 2380 29
Kannur University	Dr.A. Sabu	Associate Professor, Dept. of Biotechnology and Microbiology	kairaliawards@kannuruniv.ac.in	9995 7606 29
University of Kerala	Dr.Annie Abraham	Director & Professor, Dept. of Biochemistry	keralauty.kairaliawards@gmail.com	9447 2466 92
Kerala Veterenary and Animal Sciences	Dr. Ajith Jacob George	Professor & Head, Dept. of Pathology	dar@kvasu.ac.in	4936 2092 66
NUALS	Dr.Anil R.Nair	Associate Professor	kairaliaward@nuals.ac.in	9446 8990 08
University of Calicut	Dr. M. Nasser	Director of research	drnasher@gmail.com	8547 5604 71
Kerala Agriculture University	Dr.C.Narayanan Kutty	Associate Director of Research (Seeds)	kairaliawards@kau.in	9495 6349 53
Cochin University of Science and Technology	Dr.Girish Kumar	Director, IQAC	cusatkairali@gmail.com	9847 3636 60
Thunchath Ezhuthachan Malayalam University	Dr.Vidya R.	Assistant Professor & Head of the Department, Film Studies	kairaliawards@temu.ac.in	8606 4197 70
Kerala University of Fisheries and Ocean Studies	Dr.T.V.Sankar	Director Research	kairaliresearchaward@kufos.ac.in	4842 7005 98
APJ Abdul Kalam Technological University	Dr. Vrinda V.Nair	Dean Research	KTUkairaliawards@ktu.edu.in	9447 3811 86
Sree Sankaracharya University of Sanskrit	Mr. Prasad T.S.	Section Officer	ssusacd@gmail.com	4843 4626 31
Kerala State Higher Education Council	Dr. Manulal P. Ram	Research Officer, Kerala Sate Higehr Education Council	kairaliawards.kshec@gmail.com	7561 0187 08

6. No. of Awards Cycles Completed

Since its inception in 2018, the Council has completed the selection process of awards in 4 times and those awards have been distributed to the recipients by the Hon. Chief Minister of Kerala in presence of Hon. Minister for Higher Education in the award distribution ceremony organised by



the Council at respective periods. The following Table (Table 5) shows the number of awards given in the 4 cycles of award process so far completed

Table 5

No	Type of Awards	No. of awards distributed
1	Kairali Global Lifetime Achievement Prize for Researchers (India & Abroad)	8
2	Kairali Lifetime Achievement Prize	10
3	Gaveshana Puraskaram	15
4	Gaveshaka Puraskaram	10

The research projects granted as part of the Puraskarams are for a period of two years of completion time and one year extension in specific cases.

7. Selection process

Once applications are officially invited, the Council publishes press releases in major English and Malayalam newspapers throughout the state. Additionally, the Council coordinates with universities to disseminate the notification to their respective affiliated colleges, enhancing the visibility of the call.

The Council has made a dedicated portal facility:

(<http://159.89.167.203/kshecpportal/public/index.php/login>) for various initiatives of and the operation of schemes. The Karali Awards process is also being facilitated through this portal. For the online submission of applications as well as the nominations, interested scholars and researchers can submit the required details one the applications are called for. In order to facilitate the timely processing of large number of applications in the category of gaveshana Puraskaram and Gaveshaka Puraskaram under 5 disciplines, a subcommittee of subject experts in support of the selection committee have been formed for the shortlisting of applications and online/offline presentation and interview of the shortlisted candidates.

The Selection Committee is heading the various stages of the selection process including the shortlisting of the candidates and final interview. In order to facilitate and support the selections process, there are 5 subject wise (5 domains) committees have been made and the members are listed here.



I. Sub-Committee-Chemical Science

1. [Prof. E.D. Jemmis] Chairman
jemmis@gmail.com
2. Dr. Ajayaghosh A. (Director, CSIR-NIIST, Thiruvananthapuram)
ajayaghosh62@gmail.com [9446059059]
3. Dr. Suresh Das, (Emeritus Professor (Chemistry), IISE and Research Thiruvananthapuram)
sureshdas55@gmail.com [9447706202]
4. Dr. George Thomas (Professor, School of Chemistry, ISSER, Thiruvananthapuram)
kgt@iisertvm.ac.in

II. Sub-Committee-Arts and Humanities

1. [Prof. Satchidanandan] Chairman
satchida@gmail.com
2. Prof. E.V. Ramakrishnan
(Professor Emeritus, Forum on Contemporary Theory)
evrama51@gmail.com
3. Dr. P.P. Raveendran
(Former Director, School of Letters, Mahatma Gandhi University)
raveendranpp@gmail.com [9447120845]
4. Dr. J. Devika
(Centre for Development Studies, Thiruvananthapuram)
devika@cds.ac.in; devumol@gmail.com

III. Sub-Committee-Physical Science

1. [Prof. E.D. Jemmis] Chairman
jemmis@gmail.com 9483598097
2. Prof. K.L. Sebastian (Department of Inorganic and Physical Chemistry
Indian Institute of Science Bangalore) Professor of Chemistry, IIT, Palakkad
klsiisc@gmail.com; kls@iitpkd.ac.in [9632928096]
3. Dr. P.S. Anilkumar (Centre for Nano Science and Engineering (CeNSE),
Indian Institute of Science, Bangalore
anil@physics.iisc.ernet.in; anil@iisc.ac.in
5. Dr. Chandrabhas Narayana
Professor Jawaharlal Nehru Centre for Advanced Scientific Research (JNCRSR)
Bangalore
cbhas@jncasr.ac.in; cbhasi@gmail.com

IV. Sub-Committee-Biological Science

1. [Prof. P. Balram] Chairman
pb@iisc.ac.in
2. Dr. M.K. Mathew
National Centre for Biological Sciences
Tata Institute of Fundamental Research, Bangalore
mathew@ncbs.res.in
3. Dr. T.R. Santosh Kumar (RGCB)
Rajiv Gandhi Centre for Biotechnology (RGCB), Thiruvananthapuram
trsanthosh@rgcb.res.in
6. Dr. Hema Somanathan (IISER Tvm)
Associate Professor, School of Biology, Indian Institute of Science Education and Research
(IISER)
hsomanathan@iisertvm.ac.in



V. Sub-Committee-Social Science

1. [Prof. Prabhat Patnaik] Chairman
prabhatptnk.india@gmail.com
2. Prof. Rajan Gurukkal, (Vice Chairman, KSHEC)
rgurukkal@gmail.com
3. Prof. Michael Tharakan, (Chairman, The KCHR, Thiruvananthapuram)
miketharakan@yahoo.com
4. Prof. Gopinath Raveendran, (Vice-Chancellor, Kannur University)
vc@kannuruniv.ac.in

8. List of awardees

Through the four cycles of selection completed, eminent scholars, scientists and academicians who made significant contribution to the society have been selected for the Kairali Lifetime Achievement Awards. Moreover, established researchers serving in the academic institutions within the State for the selection of Kairali Gaveshana Puraskaram and promising researchers of 5 broad disciplines for Kairali Gaveshaka Puraskaram categories, are identified. The following section provides a brief profile of scholars awarded in the category of lifetime achievement prize so far.

- 1) **Prof. M. Vijayan** (Science): (*Global Lifetime Achievement for Researchers*) A titan of Indian structural biology, Prof. Vijayan was a pioneer in macromolecular crystallography. He played a foundational role in establishing the Molecular Biophysics Unit at the Indian Institute of Science (IISc). His research primarily focused on the structure and interactions of proteins, particularly those related to the immune system and Mycobacterium tuberculosis. Beyond his laboratory work, he served as the President of the Indian National Science Academy and was a vocal advocate for scientific temper in India. His leadership helped elevate Indian biophysics to a global stage, earning him the Shanti Swarup Bhatnagar Prize and the Padma Shri.



- 2) **Dr. M.S Valiyathan** (Science): (*Global Lifetime Achievement for Researchers*) Dr. Valiyathan was a legendary cardiac surgeon and a polymath who bridged the gap between modern medicine, bioengineering, and traditional Indian knowledge systems. He is most famous for leading the team that developed the "Chitra-TTK" heart valve, the first indigenous prosthetic valve in India, making affordable cardiac care possible. Later in his career, he dedicated himself to the scientific validation of Ayurveda, authored the "Legacy" series on the great physicians of ancient India (Charaka, Sushruta, and Vagbhata), and





served as the first Vice Chancellor of Manipal University and President of the Indian National Science Academy.

- 3) **Prof. Salim Yusuf (Science):** (*Global Lifetime Achievement for Researchers*): An internationally acclaimed cardiologist and epidemiologist, Prof. Salim Yusuf is recognized for his transformative impact on global cardiovascular health. Based at McMaster University, he has led massive clinical trials (such as HOPE and INTERHEART) that identified the major risk factors for heart disease across diverse populations worldwide. His work demonstrated that inexpensive treatments like aspirin, ACE inhibitors, and statins could significantly reduce mortality. His research has shaped international guidelines for the prevention and treatment of cardiovascular disease, making him one of the most cited scientists in the medical world.



- 4) **Dr. A. Ajayaghosh (Science):** (*Lifetime Achievement for Researchers*): A leading light in material science and chemistry, Dr. Ajayaghosh is celebrated for his pioneering work in supramolecular chemistry and functional organic materials. As the former Director of CSIR-NIIST, he developed "molecular wires" and self-assembled organogels that have applications in sensing, imaging, and photonics. His research focuses on how molecules can be designed to organize themselves into complex, functional architectures. A recipient of the Shanti Swarup Bhatnagar Prize and the Infosys Prize, his work continues to push the boundaries of how we manipulate matter at the molecular level for technological innovation.



- 5) **Dr. Sabu Thomas (Science):** (*Lifetime Achievement for Researchers*): Dr. Sabu Thomas is a globally recognized polymer scientist and the former Vice Chancellor of Mahatma Gandhi University, Kerala. His research extensively covers polymer blends, composites, and nanotechnology. He is particularly noted for his work on green composites and sustainable materials, having edited over 100 books and published thousands of research papers. His expertise in rubber technology and nanoscience has led to numerous industrial applications. Under his leadership, MG University became a hub for advanced research in materials science, earning him numerous international accolades and honorary doctorates from European universities.



- 6) **Prof. P.P. Divakaran (Science):** Prof. Divakaran is a distinguished theoretical physicist and a profound historian of mathematics. Initially known for his contributions to quantum field theory and particle physics at the Tata Institute of Fundamental Research (TIFR), he later turned his scholarly gaze toward the history of Indian mathematics. His book, *The Mathematics of India: Concepts, Methods, Connections*, provides a rigorous analysis of the "Kerala School of Astronomy and Mathematics." He is credited with bringing a physicist's precision to the study of how calculus-like concepts were developed in medieval India centuries before Newton and Leibniz.





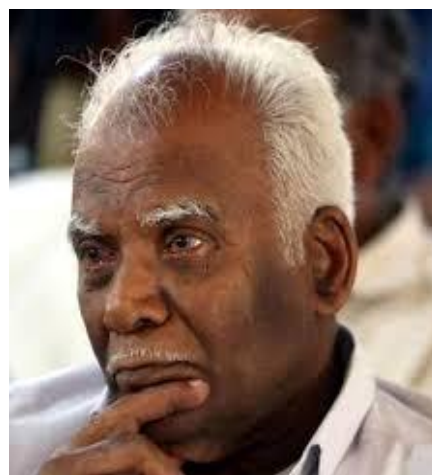
- 7) **Prof. K.L. Sebastian** (Science): (*Lifetime Achievement for Researchers*): A highly respected theoretical chemist, Prof. K.L. Sebastian has made foundational contributions to the fields of statistical mechanics and chemical dynamics. His work often deals with the behavior of molecules in complex environments, such as polymers passing through pores or the dynamics of molecules on surfaces. His research is characterized by elegant mathematical modeling of physical phenomena. A former professor at IISc and a recipient of the Shanti Swarup Bhatnagar Prize, his theoretical insights have been crucial in understanding the "stochastic" or random processes that govern chemical reactions at the microscopic level.



- 1) **Dr. K.N. Panikker** (Social Science): (*Global Lifetime Achievement for Researchers*): One of India's most influential Marxist historians, Dr. K.N. Panikker is renowned for his work on the intellectual and cultural history of modern India. His research delves into the "cultural defense" mechanisms used by Indian society during the colonial period and the rise of communalism. As a former Professor at JNU and Vice Chancellor of Sree Sankaracharya University of Sanskrit, he has been a staunch defender of secular historiography. His books, such as *Culture, Ideology, Hegemony*, examine how ideas shape political movements and social consciousness, making him a central figure in Indian academic discourse.



- 2) **Dr. M.R. Raghava Varier** (Social Science): (*Global Lifetime Achievement for Researchers*): Dr. Raghava Varier is a versatile historian, epigraphist, and scholar of Malayalam literature. He is best known for his meticulous decoding of ancient inscriptions and his ability to reconstruct the social history of medieval Kerala from primary sources. His work often bridges the gap between archaeology, linguistics, and history. He has written extensively on the agrarian systems, trade guilds, and cultural evolution of the Malabar region. By analyzing both literary texts and physical artifacts, he has provided a more nuanced understanding of how Kerala's unique social structure developed over the centuries.





3) **Dr. P. Sanal Mohan** (Social Science): (*Lifetime Achievement for Researchers*): A prominent historian and sociologist, Dr. Sanal Mohan is a leading expert on Dalit movements and subaltern studies in Kerala. His seminal work, *Modernity of Slavery*, explores the history of Dalit Christians and the social struggles of marginalized communities against caste oppression. His research highlights how these communities utilized education and religious conversion to negotiate their identity and rights within the colonial and post-colonial landscape. As a former professor at Mahatma Gandhi University, his work remains essential for understanding the complexities of social reform and the lived experiences of the oppressed in South India.



4) **Prof. Kesavan Veluthat** (Social Science): (*Global Lifetime Achievement for Researchers*): Prof. Veluthat is a distinguished historian of medieval South India, recognized for his expertise in the early social and political formations of the region. His research focuses on the "Brahminical settlements" in Kerala and the nature of the state under the Chera Perumals. He is noted for his rigorous use of epigraphic and literary evidence to challenge existing historical paradigms. His works, including *The Political Structure of Early Medieval South India*, provide deep insights into land grants, temple urbanism, and the evolution of caste and power structures in the Peninsula.



5) **Dr. M.A. Oommen** (Social Science): (*Lifetime Achievement for Researchers*): A veteran economist and an authority on decentralized planning, Dr. M.A. Oommen has been a key architect of the "Kerala Model" of development. His research emphasizes social justice, fiscal decentralization, and the empowerment of local self-governments. He has served in various high-level capacities, including as a member of the Expenditure Reform Commission and as a consultant to the World Bank. His scholarly work critiques neoliberal policies while advocating for a human-centric approach to economics. He remains a vital voice in debates regarding public policy, poverty alleviation, and democratic decentralization in India.



1) **Dr. Scaria Zacharia** (Arts and Humanities): (*Lifetime Achievement for Researchers*): Dr. Scaria Zacharia was a pioneering scholar who transformed Malayalam linguistic studies through his archival research. He is most famous for rediscovering and editing the works of Herman Gundert, the German missionary who compiled the first comprehensive Malayalam dictionary. Dr. Zacharia also did groundbreaking work on *Judaeo-Malayalam*, the unique dialect spoken by the Kerala Jewish community. His scholarship was characterized by a deep interest in cultural hybridization and the evolution of language through contact. He was instrumental in



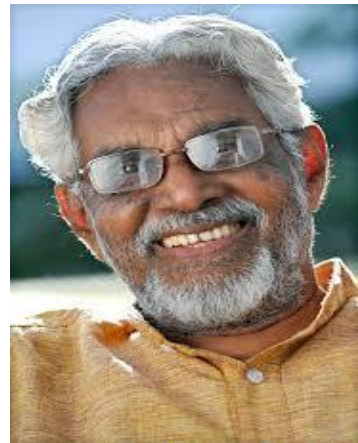


establishing the Department of Malayalam at Sree Sankaracharya University of Sanskrit, Kalady.

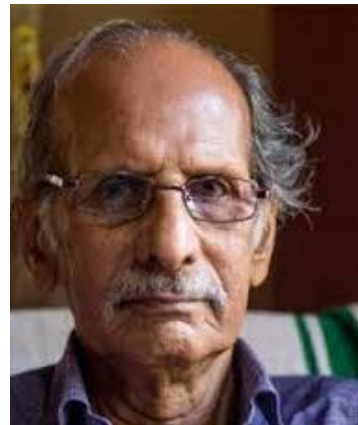
- 2) **Dr. M. Leelavathy** (Arts and Humanities): (*Global Lifetime Achievement for Researchers*): A colossus of Malayalam literary criticism, Dr. M. Leelavathy has spent decades analyzing the aesthetic and philosophical depths of Malayalam poetry and prose. Her critical works are known for their blend of traditional Indian poetics and modern Western critical theories, including psychoanalysis. She has authored over 60 books and is a recipient of the Sahitya Akademi Award, the Vallathol Award, and the Padma Shri. Beyond criticism, she is a respected teacher and biographer whose work has provided a definitive framework for understanding the evolution of modern Malayalam literature.



- 3) **Dr. Puthussery Ramachandran** (Arts and Humanities): (*Lifetime Achievement for Researchers*): Dr. Puthussery Ramachandran was a distinguished linguist, poet, and academic who played a pivotal role in Malayalam being recognized as a "Classical Language" by the Government of India. His research focused on the early stages of the Malayalam language, specifically the *Pattu* school of poetry and the transition from Middle Tamil to Malayalam. As a scholar, he edited several ancient texts with scientific precision. Also a committed activist, he was deeply involved in the communist and progressive literature movements, using his scholarship to advocate for the cultural identity of Kerala.



- 4) **Prof. Chathanath Achuthanunni** (Arts and Humanities): (*Global Lifetime Achievement for Researchers*): A profound scholar of Malayalam and Sanskrit, Prof. Achuthanunni is an expert in traditional linguistics, grammar, and poetics. His work is characterized by a deep understanding of the classical foundations of Indian literary theory. He has served as the Head of the Malayalam Department at the University of Calicut and has written extensively on the evolution of Malayalam poetic forms. His ability to interpret complex Sanskrit treatises for the modern Malayalam reader has made him a revered figure among students and researchers of classical Indian aesthetics.



- 5) **Prof. K.P. Mohanan** (Arts and Humanities): (*Global Lifetime Achievement for Researchers*): Prof. K.P. Mohanan is a world-renowned linguist who initially gained fame for his contributions to Lexical Phonology and the syntax of Dravidian languages. After a long and distinguished career at Stanford and the National University of Singapore, he shifted his focus toward "Inquiry-Based



Education." He is the co-founder of *ThinK*, an organization dedicated to fostering critical thinking and scientific inquiry among students. His work today centers on how to teach people to evaluate evidence and construct logical arguments, moving beyond rote learning to empower independent thought.

6) **Prof. B. Rajeevan** (Arts and Humanities): (*Global Lifetime Achievement for Researchers*): A leading cultural critic and intellectual in Kerala, Prof. B. Rajeevan is known for his philosophical and Marxist critiques of literature and society. His essays often explore the intersection of politics, aesthetics, and social change. He has been a prominent voice in Kerala's public sphere for decades, analyzing the cultural underpinnings of communalism and the challenges facing progressive movements. His work, such as *Marxisavum Shastravum* (Marxism and Science), reflects a lifelong commitment to using dialectical materialism as a tool for understanding and transforming contemporary culture.



Table 6-18 shows the list of awardees in the four cycles of selection process held for the four categories of awards under Kairali Research Awards with details of prize /project fund money and their respective domains.

Table 6

**FIRST CYCLE 2019-20 (Kairali 2020)
Kairali Lifetime Achievement Prize**

Name of Awardee	Type	Prize Money	Domain
Prof. M. Vijayan	Global Lifetime Achievement Prize for Researchers (within India)	500000.00	Science
Dr. Puthussery Pamachandran	Lifetime Achievement Prize for Researchers	250000.00	Arts and Humanities

Table 7

SECOND CYCLE 2020-21 Global Lifetime Achievement Prize for Researchers

Name of Awardee	Type	Prize Money	Domain
Dr. M. S. Valiyathan	Global Lifetime Achievement Prize for Researchers (within India)	500000.00	Science
Dr. K.N. Panikker	Global Lifetime Achievement Prize for Researchers (within India)	500000.00	Social Science
Dr. M.R. Raghava Varier	Global Lifetime Achievement Prize for Researchers (within India)	500000.00	Arts and Humanities

Table 8

SECOND CYCLE 2020-21 Lifetime Achievement Prize for Researchers

Name of Awardee	Type	Prize Money	Domain
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Dr. Sabu Thomas	Lifetime Achievement Prize for Researchers	250000.00	Science
Dr. P. Sanal Mohan	Lifetime Achievement Prize for Researchers	250000.00	Social Science
Dr. Scaria Zacharia	Lifetime Achievement Prize for Researchers	250000.00	Arts and Humanities

Table 9
SECOND CYCLE 2020-21 Gaveshana Puraskaram

Name of Awardee	Type	Prize Money	Domain
Dr. Santhosh Manicheri	Gaveshana Puraskaram	2500000.00	Arts and Humanities
Dr. Suboj Babykutty	Gaveshana Puraskaram	2500000.00	Biological Science
Dr. Franklin John	Gaveshana Puraskaram	2500000.00	Chemical Science
Dr. Madhu S. Nair	Gaveshana Puraskaram	2500000.00	Physical Science
Dr. Devi Soumyaja	Gaveshana Puraskaram	2500000.00	Social Science

Table 10
SECOND CYCLE 2020-21 Gaveshaka Puraskaram

Name of Awardee	Type	Prize Money	Domain
Dr. Jabeen Fathima	Gaveshaka Puraskaram	500000.00	Physical Science
Dr. Sreelekshmi S.	Gaveshana Puraskaram	500000.00	Biological Science
Dr. Anshida Mayeen	Gaveshana Puraskaram	500000.00	Chemical Science
Dr. Sucheta Sankar	Gaveshana Puraskaram	500000.00	Arts and Humanities

Table 11
THIRD CYCLE 2020-21 Global Lifetime Achievement Prize for Researchers

Name of Awardee	Type	Prize Money	Domain
Prof. Salim Yusuf	Global Lifetime Achievement Prize for Researchers (Abroad)	500000.00	Science

Table 12
THIRD CYCLE 2020-21 Lifetime Achievement Prize for Researchers

Name of Awardee	Type	Prize Money	Domain
Dr. A. Ajayaghosh	Lifetime Achievement Prize for Researchers	250000.00	Science
Dr. M.A.Oommen	Lifetime Achievement Prize for Researchers	250000.00	Social Science



Dr. M. Leelavathy	Lifetime Achievement Prize for Researchers	250000.00	Arts and Humanities
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Table 13
THIRD CYCLE 2020-21 Gaveshana Puraskaram

Name of Awardee	Type	Prize Money	Domain
Dr. Reenamole G.	Gaveshana Puraskaram	2500000.00	Chemical Science
Dr. Radhakrishnan E.K.	Gaveshana Puraskaram	2500000.00	Biological Science
Dr. Alex P. James	Gaveshana Puraskaram	2500000.00	Physical Science
Dr. Shamshad Hussain K.T.	Gaveshana Puraskaram	2500000.00	Arts and Humanities
Dr. Anver Sadath	Gaveshana Puraskaram	2500000.00	Social Science

Table 14
THIRD CYCLE 2020-21 Gaveshaka Puraskaram

Name of Awardee	Type	Prize Money	Domain
Dr. Sijilarosely C.V.	Gaveshaka Puraskaram	500000.00	Physical Science
Dr. Mayuri P.V.	Gaveshana Puraskaram	500000.00	Biological Science
Dr. Swapna M.S.	Gaveshana Puraskaram	500000.00	Chemical Science
Dr. Manju K.	Gaveshana Puraskaram	500000.00	Arts and Humanities



Table 15
FOURTH CYCLE 2020-21 Global Lifetime Achievement Prize for Researchers

Name of Awardee	Type	Prize Money	Domain
Prof. Chathanath Achuthanunni	Global Lifetime Achievement Prize for Researchers (within India)	500000.00	Arts and Humanities
Prof. P.P. Divakaran	Global Lifetime Achievement Prize for Researchers (within India)	500000.00	Science
Prof. K.P. Mohanan	Global Lifetime Achievement Prize for Researchers (within India)	500000.00	Social Science

Table 16
FOURTH CYCLE 2020-21 Lifetime Achievement Prize for Researchers

Name of Awardee	Type	Prize Money	Domain
Prof. K.L. Sebastian	Lifetime Achievement Prize for Researchers	250000.00	Science
Prof. Kesavan Veluthat	Lifetime Achievement Prize for Researchers	250000.00	Social Science
Prof. B. Rajeevan	Lifetime Achievement Prize for Researchers	250000.00	Arts and Humanities

Table 17
FOURTH CYCLE 2020-21 Gaveshana Puraskaram

Name of Awardee	Type	Prize Money	Domain
Dr. Rakesh R	Gaveshana Puraskaram	2500000.00	Arts and Humanities
Dr T S Preetha	Gaveshana Puraskaram	2500000.00	Biological Science
Dr. Anas S	Gaveshana Puraskaram	2500000.00	Chemical Science
Dr. Subodh G	Gaveshana Puraskaram	2500000.00	Physical Science
Dr. Sangeetha K. Prathap	Gaveshana Puraskaram	2500000.00	Social Science

Table 18
THIRD CYCLE 2020-21 Gaveshaka Puraskaram

Name of Awardee	Type	Prize Money	Domain
Dr. Sameera Shamsudheen	Gaveshaka Puraskaram	500000.00	Biological Science
Dr. Sujesh A S	Gaveshana Puraskaram	500000.00	Physical Science

Table 19
THIRD CYCLE 2020-21 Gaveshaka Puraskaram

Name of Awardee	Type	Prize Money	Domain
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Dr. Sameera Shamsudheen	Gaveshaka Puraskaram	500000.00	Biological Science
Dr. Sujesh A S	Gaveshana Puraskaram	500000.00	Physical Science

Table 20
THIRD CYCLE 2020-21 Gaveshaka Puraskaram

Name of Awardee	Type	Prize Money	Domain
Dr. Sameera Shamsudheen	Gaveshaka Puraskaram	500000.00	Biological Science
Dr. Sujesh A S	Gaveshana Puraskaram	500000.00	Physical Science

Table 21
FOURTH CYCLE 2025-26

Type	Prize Money	Domain	Current Status
Kairali Global Lifetime Achievement Prize	500000.00	Science	Announcement Made, Selection Process Pending
	500000.00	Social Science	
	500000.00	Arts and Humanities	
Kairali Lifetime Achievement Prize	500000.00	Science	
	500000.00	Social Science	
	500000.00	Arts and Humanities	
Gaveshana Puraskaram	2500000.00	Biological Science	
	2500000.00	Arts and Humanities	
	2500000.00	Social Science	
	2500000.00	Physical Science	
	2500000.00	Chemical Science	
Gaveshaka Puraskaram	500000.00	Biological Science	
	500000.00	Arts and Humanities	
	500000.00	Social Science	
	500000.00	Physical Science	
	500000.00	Chemical Science	

9. Financial Status

The fund allocation for the entire requirement of the Kairali Research Awards are coming through the Directorate of Collegiate Education. Out of the total fund required, more than 80% of fund is required for the completion of projects granted in the category of Gaveshana Puraskaram & Gaveshaka Puraskaram. Hence the amount need to be distributed on timely basis for the completion within the stipulated time frame of 2 years. But the delay in the release of funds may lead to the extension of this time frame to the respective candidates as per their genuine requests. It is always necessitated that the fund allocation for these awards may be made at the beginning of the financial year at the earliest and the same can be kept intact for timely release to the



respective researchers as and when they demand based on the appropriate submission of their requirements. A brief outline of the approximate fund sanctioned /utilised for the awards and research projects during the term of the above mentioned four cycles if awards, shown in the following table (Table 5).

Table 22

Cycle	Award year and item	No of awards	Fund required
I	2019-20 Global Lifetime Award	1	500000.00
	2019-20 Lifetime Award	1	250000.00
II	2020-21 Global Lifetime Award	3	1500000.00
	2020-21 Lifetime Award	3	750000.00
	2020-21 Gaveshana Puraskaram Projects	5	12500000.00
	2020-21 Gaveshaka Puraskaram Projects	4	2000000.00
III	2021-22 Global Lifetime Award	1	500000.00
	2021-22 Lifetime Award	3	750000.00
	2021-22 Gaveshana Puraskaram Projects	5	10075000.00
	2021-22 Gaveshaka Puraskaram Projects	4	2000000.00
IV	2022-23 Global Lifetime Award	3	1500000.00
	2022-23 Lifetime Award	3	750000.00
	2022-23 Gaveshana Puraskaram Projects	5	12500000.00
	2022-23 Gaveshaka Puraskaram Projects	2	1000000.00

Table 23

BUDGET ESTIMATE FOR 2025-26**Kairali Gaveshana Puraskaram & Kairali Gaveshaka Puraskaram**

Expenditure & Anticipated Fund requirement for Kairali Awards [Cycle II, III, IV]

Name of Award	No	Name of Awardee	Total Amount including the Prize money (Rs.)	Total Project Fund Released (Rs.)	Anticipated amount to be released (Rs.)
Gaveshana Puraskaram (Cycle II) Prize Money Rs.1 lakh & Project Fund up to 24 Lakhs)	1	Dr. Santhosh Manicheri	25,00000.00	24,00000.00	Nil
	2	Dr. Franklin John	25,00000.00	24,00000.00	Nil
	3	Dr. Suboj Babykutty	25,00000.00	24,00000.00	Nil
	4	Dr. Madhu S. Nair	25,00000.00	24,00000.00	Nil
	5	Dr. Devi Soumyaja	16,60000.00	15,60000.00	Nil
Gaveshaka Puraskaram (Cycle II) Prize Money Rs.25,000 & Project Fund up to 4.75 Lakhs)	1	Dr. Sucheta Sankar	5,00000.00	4,75000.00	Nil
	2	Dr. Sreelakshmi S	5,00000.00	4,75000.00	Nil
	3	Dr. Anshida Mayeen	5,00000.00	4,75000.00	Nil
	4	Dr. Jabeen Fathima	25,0000.00	0.0	Nil



Name of Award	No	Name of Awardee	Total Amount including the Prize money (Rs.)	Total Project Fund Released (Rs.)	Anticipated amount to be released (Rs.)
Gaveshana Puraskaram (Cycle III) Prize Money Rs.1 lakh & Project Fund up to 24 Lakhs)	1	Dr.Radhakrishnan E.K.	15,96,924.00	23,90924.00	94,000.00
	2	Dr.Alex P. James	12,00,000.00	14,78564.00	11,00000.00
	3	Dr.Shamshad Hussain K.T	6,00,000.00	561144.00	10,00000.00
Gaveshaka Puraskaram (Cycle III) Prize Money Rs.25,000 & Project Fund up to 4.75 Lakhs)	1	Dr.Manju K	3,80,000.00	4,55000.00	45,000.00
Gaveshana Puraskaram (Cycle IV) Prize Money Rs.1 lakh & Project Fund up to 24 Lakhs)	1	Dr.Anas S.	6,00,000.00	13,00000.00	6,00000.00
	2	Dr.Rakesh R.	6,00,000.00	5,67000.00	13,33000.00
	3	Dr.Sangeetha K. Prathap	6,00,000.00	5,57000.00	13,43000.00
	4	Dr.Subodh G.	6,00,000.00	18,00,000.00	6,00000.00
	5	Dr.T.S. Preetha	6,00,000.00	15,00,000.00	9,00000.00
	2	Dr.Sujesh A.S.	4,05,000.00	3,80,000.00	95,000.00

Table 23

Upcoming Expenditure (Announcement Made & Selection Process Pending) Cycle V

Name of Award	No	Name of Awardee	Anticipated amount to be released (Rs.)
Global Lifetime Award (Cycle V) Upcoming	1	Science	5,00000.00
	2	Social Science	5,00000.00
	3	Arts and Humanities	5,00000.00
Lifetime Award (Cycle V) Upcoming	1	Science	2,50000.00
	2	Social Science	2,50000.00
	3	Arts and Humanities	2,50000.00
Gaveshana Puraskaram (Cycle V) Upcoming Prize Money Rs.1 lakh & Project Fund up to 24 Lakhs)	1	Physical Science	10,00000.00
	2	Social Science	10,00000.00
	3	Arts and Humanities	10,00000.00
	4	Chemical Science	10,00000.00
	5	Biological	10,00000.00
Gaveshaka Puraskaram (Cycle V) Upcoming Prize Money Rs.25,000 & Project Fund up to 4.75 Lakhs)	1	Physical Science	5,00000.00
	2	Social Science	5,00000.00
	3	Arts and Humanities	5,00000.00
	4	Chemical Science	5,00000.00
	5	Biological	5,00000.00



Name of Award	No	Name of Awardee	Anticipated amount to be released (Rs.)
Total			1,60,79,000.00

10. Observations

During the course of the scheme -Kairali Research Awards, it is noticed that the relevance of such a research enhancing initiative has significant impact on building up a robust research ecosystem in the state. Some of the observations have been made with regard to the smooth conduct as well as to ensure the expected outcomes of the scheme.

- **Financial Administration:** Timely release of funds, especially for the research projects granted as part of the Gaveshana Puraskaram (up to 24 lakhs) and Gaveshaka Puraskaram (up to 4.75 lakhs) is essential for meeting the effective completion and meeting expected outcomes fully. Since the total tenure of the project is for 2 years in the above cases, it is inevitable that the release of the funds according to the requirements made by the awardees (who is the principal investigator of the Gaveshana Puraskaram projects) for meeting the year wise progress of the project. In case of those projects, which involves significant laboratory experiments, field study, consumables, computation etc., the availability and disbursal of fund matters much. Currently, the fund for this scheme is being routed through the Directorate of Collegiate Education. This largely hampers the timely release of the fund to the Council. A separate treasury head for the Kairali Research Awards in favour of the Kerala State Higher Education Council is necessary for the smooth and effective completion of research projects running as part of this scheme.
- **Dissemination of outcomes:** Project outcomes pertaining to Gaveshana Puraskarama & Gaveshaka Piraskaram are produced in the form of final Technical reports (FTR). Impact of the work is being reflected in terms of peer reviewed publications and other forms of achievements. The reports are normally published on KSHEC website. The projects sanctioned under the 5 domains through the completed cycles are provided (Table 24-25).

11. Current Status

The Cycle V (2025-26) applications are invited for the four categories of awards through official notification. During the course of the scheme -Kairali Research Awards, it is noticed that the relevance of such a research enhancing initiative has significant impact on building up a robust research



Table 24

Awardees & their projects (Gaveshana Puraskaram)

No	Name of Awardee	Domain	Project Title
1	Dr. Santhosh Manicheri	Arts and Humanities	സ്ഥാനപ്പെടലിന്റെ രാഷ്ട്രീയം: അനുഭവചരിത്രവും അനുഭൂതിചരിത്രവും മലയാളത്തിലെ ഗോത്രകവിയുടെ വിവരണവും വിശകലനവും
2	Dr. Suboj Babykutty	Biological Science	Targeting tumoural iNOS to enhance immune surveillance in triple negative breast cancer
3	Dr. Franklin John	Chemical Science	VEGF specific Liposomal siRNA carriers for tumor angiogenesis inhibition
4	Dr. Madhu S. Nair	Physical Science	Automated Validation of Aneurysm in Brain (AVAB) using Machine Learning Techniques.
5	Dr. Devi Soumyaja	Social Science	Sustainable Menstruation Management and Menstrual cups- An exploratory study on awareness and attitudes in the state of Kerala
6	Dr. Anver Sadhath	Social Science	Post-COVID-19 Health Complications: An Explorative Cohort Study in Kerala
7	Dr. Shamshad Hussain	Arts and Humanities	മാപ്പിളപ്പാട്ടിലെ സ്ത്രീ പങ്കാളിത്തം: മുസ്ലിം സ്ത്രീകളുടെ സർഗ്ഗാത്മക ഇടപെടലുകളെ മുൻനിർത്തിയുള്ള പഠനം
8	Dr. Alex P. James	Physical Science	Analog Computer Chip for more than Moore's law computing machines
9	Dr. Radhakrishnan E.K.	Biological Science	Antibiotic induced resistance gene transfer in E. coli through outer membrane vesicles (OMV) and its implication in antibiotic fed broiler chicken
10	Dr. Subodh G.	Physical Science	Development of Cold Sintered Magnetodielectric Antennas for NaVIC Systems
11	Dr. Anas S.	Chemical Science	Developing novel reusable Iron catalysts for Sustainable Chemical Processes
12	Dr. T.S. Preetha	Biological Science	Establishment of a microcloning system for the conservation and sustainable utilization of Curcuma vamana M. Sabu & Mangaly: a Red-listed endemic species in Southern Western Ghats of Kerala for subsequent exploration of novel bioactive compounds
13	Dr. Sangeetha K.Prathap	Social Science	Financial sustainability of cooperative banks and financial resilience of community: Exploring the role of cooperatives in Kerala Economy
14	Dr. Rakesh R.	Arts and Humanities	Cricketing Celebrity and Mediated Indianness, 1952-2024: The Changing Intersections of Nation, Market, and (Transnational) Fame

Table 25

**Awardees & their projects (Gaveshaka Puraskaram)**

No	Name of Awardee	Domain	Project Title
1	Dr. Sucheta Sankar	Arts and Humanities	The Mobilities Archive: Travel Narratives, Gender, and Keralam
2	Dr. Sreelekshmi S	Biological Science	Tracing carbon transfer and assimilation in food web structure across mangrove habitats in Kerala
3	Dr. Anshida Mayeen	Physical Science	Interface Engineered Biocompatible Piezoelectric Nanocomposites for Implantable Device Applications
4	Dr. Manju K.	Arts and Humanities	മലയാളവിവർത്തനചരിത്രം: ഗ്രന്ഥസൃഷ്ടിയും അപഗ്രഥനവും
5	Dr. Sameera Shamsudheen	Biological Science	Identification of species substitution in fish and fishery products traded at Kerala State: A genomic approach based on DNA barcodes
6	Dr. Sujesh A.S.	Physical Science	OPTIMIZATION ON NANOFUIDIC TRANSPORT PHENOMENA: A BIOMEDICAL PERSPECTIVE INVOLVING MACHINE LEARNING

A brief outline of the outcomes in the form of publications/patents/conferences/presentations etc. is provided in the table given below (Table 26) and the list is incomplete.

Table 26**List of Publications etc. based on the Kairali Projects**

No.	Full Citation	Research Area	Citations
1	Preena K. P., Keerthi A. S. Pillai and Madhu S. Nair , "Integrative Spectral-Graph Learning with CNN Features for the Classification of Circle of Willis Anatomical Variants", IEEE Journal of Biomedical and Health Informatics , Vol.29, No.12, pp.8631-8638, December 2025. [link] (Top journal in the field of Medical Informatics (4 th position in the world) with Impact Factor 6.8 [link])	Computer Science; Engineering; Telecommunications	41



No.	Full Citation	Research Area	Citations
2	<p>Keerthi A. S. Pillai, Preena K. P. and Madhu S. Nair, "Analyzing the Efficacy of Computer-Aided Detection in Cerebral Aneurysm Diagnosis using MRI Modality: a Review", IEEE Access, Vol.13, pp.12468-12482, January 2025. [link] (Top journal in the world irrespective of the discipline (15th position) with Impact Factor 3.6 [link])</p>	Computer Science; Engineering; Telecommunications	75
3	<p>Anime V. A. and Madhu S. Nair, "On the Automated Unruptured Intracranial Aneurysm Segmentation from TOF-MRA using Deep Learning Techniques", IEEE Access, Vol.12, pp.53112-53125, April 2024. [link] (Top journal in the world irrespective of the discipline (15th position) with Impact Factor 3.6 [link])</p>	Computer Science; Engineering; Telecommunications	41
4	<p>Joy, Reshma; George, Jinu; John, Franklin. (2022). Brief Outlook on Polymeric Nanoparticles, Micelles, Niosomes, Hydrogels and Liposomes. <i>CHEMISTRYSELECT</i>.</p>	Chemistry	161
5	<p>Rajeev, Anjaly; Siby, Aswarya; Koottungal, Merin James; George, Jinu; John, Franklin. (2021). Knocking Down Barriers: Advances in siRNA Delivery. <i>CHEMISTRYSELECT</i>.</p>	Chemistry	73
6	<p>Sreelekshmi, S.; Harikrishnan, M.; Nandan, S. Bijoy; Karnal, V. Sreejith; Muraleedharan Nair, M. S. (2022). Ecosystem Carbon Stock and Stable Isotopic Signatures of Soil Organic Carbon Sources. <i>WETLANDS</i>.</p>	Environmental Sciences & Ecology	85



No.	Full Citation	Research Area	Citations
7	Thomas, Juvin Ann; Gireesh Moly, Athira Gireesh; Xavier, Hima; Suboj, Priya; Ladha, Amit; Gupta, Gaurav; Singh, Santosh Kumar; Palit, Partha; Babykutty, Suboj. (2023). Enhancement of immune surveillance in breast cancer by targeting hypoxic tumor endothelium. <i>FRONTIERS IN ONCOLOGY</i> .	Oncology	166
8	John, Jinu; Joseph, Ajnesh; Kadavan, Liya D.; Prabhu, Prathibha S.; Prabhu, Deepak J.; John, Franklin; George, Jinu; Joy, Reshma. (2022). DNA Nanostructures in Pharmaceutical Applications. <i>CHEMISTRYSELECT</i> .	Chemistry	85
9	Joy, Reshma; Siddiqua, Humaira; Sharma, Shivangi; Raveendran, Manthra; John, Franklin; Hassan, Puthusserickal Abdulrahiman; Gawali, Santosh L.; Raghavan, Sathees C.; George, Jinu. (2023). Block Copolymer Encapsulation of Disarib, an Inhibitor of BCL2 for Improved Chemotherapeutic Potential. <i>ACS OMEGA</i> .	Chemistry	61
10	Parameswaran, P.; Sruthi, Priya; V. K., Jayachandran; K., Radhakrishnan; E. K., Shahajan; Romina M. (2025). Plant probiotic potential of rapid zinc-solubilizing Bacillus sp. VR in the presence of exogenously supplemented S. <i>CEREAL RES COMMUN</i> .	Agriculture	51
11	Xavier, Hima; Gireesh, Athira Gireesh Moly; Thomas, Juvin Ann; Suboj, Priya; Suresh, Arya; Biju, Emmanuel; Baby, Arya; Dominic, Roshin Thomas; Babykutty, Suboj. (2025). Chemokines: humble yet mighty	Immunology	207



No.	Full Citation	Research Area	Citations
	players in the tumour microenvironment. <i>FRONT IMMUNOL.</i>		
12	Mathew, Maya; Athulya, B.; Sandhya, C.; Biju, P.; Radhakrishnan, E. K. (2025). Phenotypic and molecular characterization of multidrug-resistant mastitis causing pathogens in South India. <i>INT J ENVIRON HEAL R.</i>	Environmental Sciences & Ecology; Public Health	81
13	Pilakka, Keerthi; Naseemsbeevi, Jawaher Isuhak; Ganesanpotti, Subodh ; Pillai, Keerthi A. S. (2025). Carbon Black Reinforced Room Temperature Vulcanizing Silicone Rubber. <i>POLYM ENG SCI.</i>	Engineering; Polymer Science	85
14	Keerthi A. S. Pillai, Preena K. P. and Madhu S. Nair , "Analyzing the Efficacy of Computer-Aided Detection in Cerebral Aneurysm Diagnosis using MRI Modality: a Review", IEEE Access , Vol.13, pp.12468-12482, January 2025. [link] (Top journal in the world irrespective of the discipline (15 th position) with Impact Factor 3.6 [link])	Computer Science: Engineering: Telecommunications	75
15	Soumyaja D and Bisriya, F.(2024). Exploring the intention to use menstrual cup through the framework of the theory of planned behaviour. <i>Environment and Social Psychology</i> , 9(12), 3242. doi:10.59429/esp.v9i11.3242.	Commerce & Management	



No.	Full Citation	Research Area	Citations
16	Soumyaja, D. (2024).Sustainable menstruation and menstrual cups: Study on awareness and intention to use in the state of Kerala. Environment and Social Psychology, 9(8),2743. doi: 10.59429/esp.v9i8.2743.	Commerce & Management	
17	Santhosh Manicheri: കേരളത്തിലെ ആദിവാസി കവിത - സംഭവവും കാലികതയും (സാഹിത്യ ലോകം, കേരള സാഹിത്യ അക്കാദമി)		Arts and Humanities
18	Santhosh Manicheri: ആദിവാസികവിതയിലെ 10 എഴുത്തുകാർക്ക് അവരുടെ കവിതാ പുസ്തകം പ്രസിദ്ധീകരിക്കുന്നതിനുള്ള സാമ്പത്തിക സഹായം ഈ ഗവേഷണത്തിന്റെ ഭാഗമായി നൽകുകയുണ്ടായി. 1) ആദിമ (ഗംഗാധരൻ പണിയൂരാളിൽ), 2) മീനാളിയാൻ (ദാ മോദരൻ തേവൻ) 3) തെന്നാരി (തങ്കച്ചൻ തേവൻ) 4) പറത് തീരത്ത് (രതീഷ് ടി ഗോപി), 5) വല്ലി (സിജു. സി.മീന), 6) വള്ളൂർ(ഹരീഷ് പുതാടി) 7) ഒഴയൊച്ച കല്ലുകളെ (പ്രകാശ് ചെന്നുളം) 8) മയിലരസ്യ(ലിജിന കടുമേനി) 9) പച്ച ഞരമ്പുകൾ (മണികണ്ഠൻ അട്ടപ്പാടി) 10) ഗോത്രപെൺകവിതകൾ (ധന്യ വേങ്ങച്ചേരി) ഇവയാണ് ആ പുസ്തകങ്ങൾ. ഇൻസൈറ്റ് പബ്ലിക്കേഷൻ ബ്രണ്ണൻ പ്രസ്സുമായി ചേർന്നാണ് ഈ പുസ്തകങ്ങൾ പ്രസിദ്ധീകരിച്ചിരിക്കുന്നത്.		Arts and Humanities

11. Annexures

- The statutory forms and documents to be fulfilled/submitted by the awardees of Kairali Gaveshaka and Gaveshana Puraskaram as part of the research projects sanctioned.(Annexure 1 to 7)
- Annexure 8: Guidelines of Kairali research Awards-Government Order
- Annexure 9: Selection Committee Constituted-Government Order



Annexure I
Form I
Form of Acceptance

To,

The Member Secretary
Kerala State Higher Education Council
Science and Technology Museum Campus
Thiruvananthapuram-33

Sir,

Subject: Acceptance of Kairali Research Awards ____ (year)

Ref: 1. Proc. Order No. _____ of KSHEC

2. Letter No.----- (from KSHEC)

3. G.O. (Rt) No. 915/2018/HEDN Dated, Thiruvananthapuram, 8/05/2018

This has reference to the communication about my selection for the Kairali Research Awards -----2022 (ref cited 2nd of the above).

I hereby accept the offer under the terms and conditions of Kairali Research Awards ____ issued as per the References cited above and I am eligible for the Kairali Research Awards.

I am presently associated/working as _____
(Designation/Institute/Organisation) _____,
_____ (Institute/Organisation Full address).

I would like to avail the project fund at _____ (name of the department/institute) situated in _____ (Institute Address).

Yours Faithfully,
(Name & Signature of the Awardee)

Forwarded by Head of the host Institute

We will host him/her to avail Research facility available in this institution for the carrying out research granted under Kairali Research Awards using the project fund eligible.

Signature & Seal of the Head of the Institute



Annexure 2

Form-II
Kerala State Higher Education Council
Kairali Research Awards
Consent From Mentor

I hereby agree to be the Mentor for the proposed Project granted under the Kairali Research Awards during.....(year) entitled.....

.....
.....
..... (Title of the project)” submitted by.....
..... (Name of the awardee) in the broad domain of _____ under the Kairali Research Awards (year) programme of KSHEC and proposed to be carried out at (Name of the Registering Institution/Research Centre)

I also certify that I am permanently employed in the proposed Research Centre and is having more adequate years of service left for superannuation from the Institute, for guiding this project till completion. I further agree to abide by the guideline of the scheme for the successful implementation of the project.

Place :

Date :

Mentor

Signature: Name & Address:

(Seal)



Annexure 3

FORM-II

Kerala State Higher Education Council
Kairali Research Awards
Endorsement from the Head of the Registering Institution
(where the fellow carry out the research project)
(To be given on letterhead)

To
The Member Secretary
Kerala State Higher Education Council

Sir,
Sub: Kairali Research Awards _____ (year)
Ref: Proc. Order No. _____

We agree to administer the funds, provide all available research infrastructure facilities and managerial assistance for the awardee _____ (name) of the Kairali Research Awards. We shall maintain a dedicated bank account for Kairali Awards for release of the project fund sanctioned on time to time basis.

The attached institution of the awardee will be under obligation to ensure the execution of research proposal granted under Kairali Research Awards and submission of progress report along with other statutory reports through the mentor of the project and an audited Statement of Accounts and Utilization Certificate duly certified by the authorised authority.

In case a scholar leaves / discontinues fellowship before completion of fellowship tenure, this institution shall immediately inform KSHCEC.

Name: _____ (Signature of the applicant)

Signature of the Mentor/Director / Registrar / Principal of the Institute/University/College
(with name and stamp)

Place: _____

Name:

Designation: _____

Date: _____



Annexure 4

**THE KERALA STATE HIGHER EDUCATION COUNCIL
TERMS & CONDITIONS**

Form IV

Kairali Research Awards

(To be executed in a stamp paper worth Rs. 200/-)

Year of Award:.....

Name and Address of the Project Awardee (P.A):.....

Title of the Project:.....

Terms and Conditions

1. The scheme is constituted for the purpose of providing assistance in the form of grants to the recipients of Kairali Research Awards (Gaveshaka Awards/Gaveshana Awards) for research work. The Kairali Research Awardee will be the Project Awardee of the project.
2. The amount of grant shall be utilized for the purpose for which it is granted within the stipulated time limit and the outcome of the project should be intimated in writing to KSHEC.
3. For permanent, semi-permanent assets acquired solely or mainly out of the project grants, an audited record in the form of a register shall be maintained by the project awardee (PA). The grant shall not be utilized for construction of any building unless specific provision is made for that purpose. Full infrastructural facilities by way of accommodation, water, electricity, communication etc. for smooth implementation of the project shall be given by the Institute.
4. All the assets acquired from the grant will be the property of KSHEC and should not be disposed-off or encumbered or utilized for purpose other than those for which the grant had been sanctioned, without the prior approval of the Council.
5. The project awardee (PA) will furnish the Progress Report of the work on the project on time-to-time basis specified by the council
6. The Council may designate Specialist or an Expert Panel to visit the Institute in which the project work is going on to review the progress of the work as and when required.

(Project Awardee)

(Mentor)



(Seal)

7. On completion of the project 5 copies of the final consolidated Project Completion Report on the work done in the project should be sent to the Council within 3 months of the completion of the project year.
8. The unutilized portion of the grant amount at the end of the project period shall be refunded to Council forthwith by DD in favour of the KSHEC.
9. The Utilization Certificate and Statement of Expenditure (UC & SE) should be countersigned by the HOI/Mentor to the effect that the grant has been utilized on the research items for which it was sanctioned. In all cases, the final expenditure statement (audited) and research report as well as utilization certificate shall be insisted to be submitted within three months of completion of the project.
10. The institute will maintain separate audited accounts for the project. If it is found expedient to keep whole grant in a bank account earning interest, the interest thus earned should be reflected in the Utilization Certificate. The interest thus earned will be adjusted towards further instalment of grant. In the case of Government Institutions/Universities, the interest accrued can be waived.
11. The institute will not entrust the implementation of the work for which the grant is being sanctioned to another institution nor will it divert the grant receipts to other institute as assistance. In case the Institute is not in a position to implement or complete the project, it should, forthwith, refund to the Council the entire grant received by it or the balance grant with it.
12. All the personnel including Research personnel appointed under the project, for the full/part duration of the project, are to be treated as temporary employees and will be governed by the Administrative rules/ service conditions (for leave, TA/DA etc) of the implementing Institute. They are not to be treated as employees of the KSHEC and the Council will have no liability, whatsoever, for the project staff after completion of the project duration.
13. For the expeditious implementation of the research project, the PA will take the assistance of the Institute in the process of selection and appointment of staff and payment to them.
14. The Council reserves the right to terminate the project at any stage if it is convinced that the grant has not been properly utilized or appropriate progress is not being made. The PI is liable to refund the Grant Amount in part or in full in case of unsatisfactory implementation of the project or unwillingness to co-operate with the council for monitoring/evaluating the progress of the project.

(Project Awardee)
(Mentor)

(Seal)



15. The project becomes operative with effect from the date of receipt of any part of the award money by the PA. This date should be intimated by the Institution authorities/ Principal Investigator to the KSHEC.
16. If the PA to whom a grant for a project has been sanctioned wishes to leave the Institution where the project is based, the Institute/ PI will inform the same to the Council and in consultation with Council, evolve steps to ensure successful completion of the project, before relieving the PA.
17. Investigators wishing to publish technical/ scientific papers based on the research work done under the project should acknowledge the assistance received from Council, indicating the scheme Investigators are also requested to patent the outcome of the project in collaboration with KSHEC. If the results of research are to be legally protected, the results should not be published without action being taken to secure legal protection for the research results.
18. The selection Committee of Kairali Awards may enforce additional guidelines for the operation of the scheme from time to time and the Institution/Investigators are required to observe such directions in the conduct of the research work.
19. The knowledge generated from the project will be the property of KSHEC and should be properly acknowledged. Transfer of technology generated shall be done in consultation with the Council.
20. Projects not operational for more than one year may be treated as closed and the PI should be asked to submit detailed progress report and financial settlements and return any unspent money.

(Project Awardee)
(Mentor)

(Seal)

Name of Head of the Institution (Round Seal)
Signature with date



Annexure 5

Form-V
Kerala State Higher Education Council
Kairali Research Awards
Joining Report

I(Name) hereby state that I have joined as KAIRALI RESEARCH PROJECT for the year under the guidance of Prof./Dr.at (Centre/Dept. of the attached Institution) on FN/AN of

Date:

Name and Signature

(Kairali Awardee)

Name and Signature

(Mentor)

Head of the Institution

(Institution Seal)

**Annexure 6**

Kerala State Higher Education Council
Kairali Research Awards
Form VI
Annual Progress Report

(A) Project Profile:

1. Project Title:
2. Name of the awardee:
3. Name and Address of mentor:
4. Name of the Institution (registered):
5. ¹Domain:
6. Specific area:
7. Date of Start of the Project:
8. Expected date of completion of the project:

(B) Technical Progress

1. Approved Objectives /Outcomes of the proposal:
2. Have you accomplished the expected target of project as stated in proposal:

(i) If yes, state:

- a. Salient Research Achievements:
- b. Summary of Progress:
- c. New observations:
- d. Innovations/ Technologies generated:
- e. Papers published/patents etc.:

No. of Papers Published	Title of Journal	Vol /No/Year	Latest impact factor of the Journal

(ii) If not, state:

- a. Reasons for not accomplishing the target:
- b. How do you plan to complete targets:

(C) Financial Part

Month & Year up to which fellowship received	
No. of monthly fellowships received	
Contingency amount received so far	

(D) Brief note on Research work that remains to be done under the project as envisaged (*with respect to approved objectives for the year*):

Signature of the Researcher
Mentor

Signature of

Signature of the Head of the Institution with seal

¹ Arts and Humanities/Biological Science/Chemical Science/Physical Science/Social Science



Annexure 7

Form-V

MANDATE FORM

ELECTRONIC CLEARING SERVICE FACILITY FOR RECEIVING PAYMENTS

Details of Account Holder (Competent Authority for receiving payment)

Name of the Institution/Person	
Contact Address	
Telephone No./Fax No.	
E-mail ID of the DIR/REG/AO/FO	

Bank Account Details

Institution /Individual Account Name (As per Bank records)	
Account No.(SB/CC)	
Name of the Bank	
Branch Name	
IFSC Code	
Branch Address	
MICR No	

Beneficiary Details

Beneficiary Details	
Name of the Fellow	
Mobile Number	
E-mail ID	

Certified that the Institute's/Person's account is in NEFT/RTGS enabled branch. I hereby declare that the particulars given above are correct and complete.

Date:

(DIR/REG/AO/FO)

Name, Address & Signature
of the Competent Authority



Annexure 8



GOVERNMENT OF KERALA

Abstract

Higher Education Department-Kairali Research Awards – Guidelines – Approved – Orders issued

HIGHER EDUCATION (C) DEPARTMENT

G.O.(Rt)No. 915/2018/HEDN
08/05/2018

Dated, Thiruvananthapuram

Read: 1. G.O (Rt) No. 253/2018/H.Edn Dated 8.2.2018

2. G.O (Rt) No.820/2018/H.Edn dated 24.4.2018

ORDER

Government are pleased to approve the guidelines for Kairali Research Awards as appended to this Order

By order the Governor
Dr. USHA TITUS
PRINCIPAL SECRETARY

To :-

The Director of Collegiate Education Thiruvananthapuram
The Member Secretary, Kerala State Higher Education Council,
Thiruvananthapuram
The Member Secretary State Planning Board, Pattom
The Registrar, (University of
Kerala/M.G. University/CUSAT/Calicut University/Kannur University)
The Principal Accountant General (Audit), Kerala, Thiruvananthapuram
The Accountant General (A&E) Kerala, Thiruvananthapuram
I&PR (Web & New Media)
Stock file/Office copy



KAIRALI RESEARCH AWARDS

GUIDELINES

The Government of Kerala have announced Kairali Research Awards from 2017-2018 academic year onwards. Candidates who excel in a particular subject will be considered for the award. The award is given under three categories i) Kairali Gaveshaka Puraskaram (for Post Doctoral Research Students) ii) Kairali Gaveshaka Puraskaram (for Faculty Members) and iii) Kairali Lifetime Achievement Award (for Eminent Scientists). The subject areas include Chemical Sciences, Biological Sciences, Physical Sciences, Social Sciences, Arts and Humanities.

1. KAIRALI GAVESHAKA PURASKARAM

The award is for researchers who excel in the area of their research work. Students who have completed Ph.D. are given opportunity to continue innovative research in future in interdisciplinary areas. 5 awards shall be given every year in Chemical Science, Biological Science, Physical Science, Social Science, Arts & Humanities.

Eligibility :

- The applicant should be a Keralite
- The applicant must have obtained Ph.D. Degree in Sciences / Social Sciences / Arts and Humanities from a recognised University in Kerala.
- The upper age limit for the fellowship is 30 years at the time of the submission of application, age will be calculated by taking the date of closure of the respective call. Age relaxation of 5 (five) years will be given to candidates belonging to SC/ST/OBC/Physically challenged & Women candidates.
- Kairali Gaveshaka Puraskaram can be availed only once by a candidate in her/his career.
- The applicant should have mentor from any of the Universities / National institutions of their choice. Mentor must hold a regular academic / research position in a recognized institution in India. Should have Ph.D. Degree in Sciences / Social Sciences / Arts and Humanities.

Nature & Duration of Support :

- The fellowship is tenable only in Kerala and can be implemented in any of the recognized academic institutions, national laboratories and other recognized R&D institutions. The host institution may provide necessary administrative and infrastructural support.
- The fellows may work with the PhD guide/co-guide and the award may be availed at the same Department / institution where the candidates have earned their PhD degree.
- The research grant is purely a temporary assignment, and is tenable initially for a period of 2 years. In exceptional cases, depending on the progress of research, the fellowship can be extended for one more year. There is no provision to extend the tenure beyond three years.
- Scholars can participate in one or more International Conferences outside the country.

5 fellows will be entitled to receive the grants as detailed below

1	Award	Citation and Rs. 25,000/-
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2	Research Grant (to be utilized for buying instruments, buying chemicals/ glass wares, for outside instrumental analysis). Universities may provide post Doctoral fellowship for the selected candidates	Rs. 4,00,000/- consolidated for 2 years
3	Travel Grant	as per actual up to Rs. 75,000/-

Mode of Selection:

The candidates may apply to the respective Universities. The Universities may a preliminary screening and provide the list to the Committee constituted for selection.

Selection of the Research Fellows under the scheme from amongst the eligible candidates through a process of interview by Selection Committee. Eminent experts from each subject domain should be included in the selection committee constituted for the purpose.

How to Apply:

For successful online submission of the application the following points may be noted:

- The applicants have to submit details of the project proposed to be done with the Research Grant including Project Title (max 500 characters), Project summary (max 3000 characters), Expected output and outcome of the proposal (max 1500 characters) and work methodology and research plan (max 3 pages) at the time of online submission of the application.

2. KAIRALI GAVESHANA PURASKARAM

The award is for Faculty Members who excel in their research output and who are expected to pursue innovative research programmes in cutting edge areas in future. There shall be five awards in Chemical Science, Biological Science, Physical Science, Social Science, Arts & Humanities.

Eligibility :

- The applicant should be a Keralite and should be in regular service (as a faculty member) in Universities / Colleges.
- The applicant must have obtained Ph.D degree in Sciences/Social Sciences / Arts and Humanities from a recognized University.
- Preference will be given to those who are engaged in interdisciplinary research.
- The award will be given based on excellence in research, research contributions in the past and publication in peer reviewed indexed international journals list approved by UGC
- **The upper age limit for the fellowship is 45 years at the time of the submission of application, age will be calculated by taking the date of closure of the respective call. Age relaxation of 5 (five) years will be given to candidates belonging to SC/ST/OBC/Physically Challenged & Women candidates.**
- Kairali Gaveshana Puraskaram can be availed only once by a faculty member in her/his career.



Nature & Duration Support :

- The fellowship is tenable only in Kerala and can be implemented only in recognized academic institutions, where the faculty is a permanent staff as per the UGC norms.
- The applicant can appoint one Project Fellow or Technical Assistant. The qualification of project fellow to be post graduate and the qualification of technical assistant to be graduate in corresponding subject area.
- 5 fellows will be entitled to receive the grants as detailed below:

1	Award	Citation and Rs. 1 Lakh
2	Research Grant (to be utilized for providing fellowship for the selected candidate, for buying instruments, Contingent Grant for buying chemicals / glass wares, outside instrumental analysis appointment of a Project Assistant, purchase of software, Journals books, registration fee, accommodation and travel to international conferences.	Rs. 24 lakh consolidated for 2 years

Mode of Selection:

The candidates may apply to the respective Universities. The Universities may make a preliminary screening and provide the list to the Committee constituted for selection. Selection of the faculty members under the scheme will be made from amongst the eligible candidates, through a process of interview by Selection Committee. **Eminent persons** for each subject domain may be included in the selection committee constituted for the purpose.

Project Staff Selection:

- The Research personnel appointed under the project, for the full/ part duration of the projects, may be treated as temporary project fellows.

How to Apply:

For successful online submission of the application the following points may be noted:

- The applicants may send a detailed not regarding the research work and research contributions in the past, publications etc.(not exceeding 3pages). Details including Project Title, Project summary (3000 Characters) , keywords (max 6), Objectives of the proposal (max 1500 characters),Expected output and outcome of the proposal (max 1500 characters) should be provided online at the time of submission of the application. An e copy may also be provided along with the applications.
- Work Methodology and Research plan in not more than pages.

3. KAIRALI LIFETIME ACHIEVEMENT AWARD

The award is for eminent scientists for a lifetime of outstanding research contributions in the fields of Sciences/Social Sciences/Arts and Humanities.

Kairali Lifetime Achievement Prize for Researchers will be given to scholars of Institutions within Kerala, annually

Citation and Rs.2,50,000 as award The Kairali Global Lifetime Achievement Prize for Researchers will be given on alternate years to scholars of Kerala origin within India and abroad.

**Citation and Rs.5,00,000 as award****SCOPE**

All areas of Sciences/Social Sciences /Arts and Humanities (in the broadest terms) will be covered by this fellowship. There shall be 3 awards every year/every alternate year as the case may be.

ELIGIBILITY

- i. **This award will be given on alternate years to scholars of Kerala origin within India and Abroad and every year to scholars within Kerala.**
- ii. The applicant should possess a higher degree or equivalent, such as Ph.D. in Sciences/Social Sciences/Arts and Humanities, with adequate professional experience.

3. These Fellowships are very selective and only those who have a proven/outstanding track record and evident from their research accomplishments, contributions to the upliftment of research in the respective fields, membership and presence in panels of national and international organizations, initiatives to encourage interdisciplinary research etc will be taken into consideration.

Mode of Selection:**Kairali Lifetime Achievement Prize for Researchers**

The Universities may take a preliminary screening of the applications of the scholars or nominations and forward the list to the committee constituted for the purpose.

Kairali Global Lifetime Achievement Prize for Researchers

The selection committee may invite nominations for the purpose. The Universities, Research Institutions or Academics may nominate the name of scholars for the awards.



Annexure 9



GOVERNMENT OF KERALA

Abstract

**Higher Education Department-Kairali Research Awards-
Selection Committee constituted -Orders issued.**

HIGHER EDUCATION (C)DEPARTMENT G.O.(Rt)No.

820/2018/HEDN Dated,Thiruvananthapuram,24/04/2018

Read:

- 1 G.O(Rt) No.253/2018/H.Edn dated 8.2.2018.

ORDER

Government have introduced 'Kairali Research Awards' under three categories viz;Kairali Gaveshaka Puraskaram, Kairali Gaveshana Puraskaram & Kairali Lifetime Achievement Award, during the financial year 2017-18 with an aim to encourage the most eminent research scholars and research pedagogues of the State. Accordingly Administrative Sanction was accorded for the same vide the Government order read above.

In continuation to this, Government are pleased to constitute a Selection Committee for the purpose of selecting eligible candidates for the awards, by nominating **Dr.P.Balaram, Former Director ,Indian Institute of Science ,Bengaluru as the Chairman of the Committee** and the following eminent persons as members.

- 1) Dr.Prabhat Patnaik ,Former Professor, Centre for Economic Studies and Planning ,School of Social Sciences at Jawaharlal Nehru University and Former Vice- Chairman ,Kerala State Planning Board.
- 2) Dr. Thanu Padmanabhan, Distinguished Professor, Inter-University Centre for Astronomy and Astrophysics, (IUCAA),Pune.
- 3) Dr.E.D.Jemmis ,Professor of Theoretical Chemistry , Indian Institute of Science ,Bengaluru and Founder Director ,Indian Institute of Science Education and Research, Thiruvananthapuram



4) Prof. K.Sachidanandan, Noted Poet and Critic ,Member of Advisory Council of Kerala State Higher Education Council.

The Kerala State Higher Education Council shall act as the Secretariat for the Kairali Research Awards.

By order of the Governor

THARUN LAL.S
DEPUTY SECRETARY

To:- The Director of Collegiate Education, Thiruvananthapuram
The Member Secretary, Kerala State Higher Education Council, Thiruvananthapuram
The Member Secretary, State Planning Board , Pattom, Thiruvananthapuram

The Registrar, (University of Kerala/M.G.University/CUSAT/Calicut
University/Kannur University)
The Principal Accountant General (Audit), Kerala, Thiruvananthapuram
The Accountant General (A&E), Kerala,
Thiruvananthapuram
The persons concerned I&PR(Web
& New Media) Stock File/ Office
copy.

Forwarded/By order Section
officer



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Science and Technology Museum Campus,
Vikas Bhavan P.O., Thiruvananthapuram-695033,
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www.kshec.kerala.gov.in