

Prof.(Dr.) C.T. Aravindakumar



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Education

Master of Science (M.Sc) (Physical Chemistry)	1988	University of Pune
Doctor of Philosophy (Ph.D)* (*Under Exchange Programme between University of Pune and Max-Planck-Institute f. Strahlenchemie, Germany)	1992	University of Pune*

Post-Doctoral Research

	June,1997-Sept.1998 & June,1999-Jan.2000 May-Sept., 2000	Katholieke Universiteit Leuven, Belgium Max-Planck-Institut für Strahlenchemie, Mülheim/Ruhr, Germany
	June 2001 – June 2002	Vrije Universiteit Amsterdam, The Netherlands
Collaborative Researcher	September 1999	Environment Engineering, California Institute of Technology (Caltech), USA
Visiting Faculty	March 2006, Dec.2009	Pohang University of Science and Technology, South Korea
Visiting Scientist	April-June, 2005, 2007	GSF-National Research Institute, Germany
Visiting Faculty Visiting Faculty	May 2011, Oct.2012 Oct.2011	University of Paris (S) Norwegian University of Science and Technology, Trondheim, Norway
Visiting Professor (with Full Professor Status)	April 2013, June 2015	University of Paris-Est (Marne- la-vallee), France
Collaborative Researcher	May 2014	Duke University, Brown University and Plymouth State University, USA
Collaborative Researcher	July 2014	Russian Academy of Science (TIPS-RAS), Moskow &

Collaborative Researcher	June 2015 & May 2017	St.Petersburg University, Russia Technical University of Denmark, Copenhagen, Denmark
Team Leader, Indian Arctic Expedition	July/Aug.2017	Himadri (Indian Station at Arctic)
Collaborative Researcher	April 2018	Hokkaido University, Japan
Invited Fellow	Nov.2018	Melbourne University, Australia
Collaborative Researcher	Nov.2018	University of Malaya, Kuala Lumpur, Malaysia
ERASMUS Fellow	May 2019	Technical University of Kosice, Slovakia
Collaborative Researcher	May 2019	Technical University of Brno, Czech Republic

Current Research Interests:

Environmental Chemistry, Water purification technology, Air pollution, Radiation science, Photochemistry; polar research (Indian Polar Expedition), Environmental Education & Governance

Extension Activities: (i) Involvement in the “*water for humanity*” programme by which more than 100 families in Achinagam village (Kottayam) benefited from rainwater harvesting (ii) Implementation of membrane based water purifying systems in Kumarakom during flood in 2018 in collaboration with IICT, Hyderabad (iii) Development of solar powered photovoltaic sustainable toilets in collaboration with Caltech, USA (iv) Involvement in the G-filter Development using indigenous Kerala clay for drinking water in collaboration with IIT, Jodhpur & CUSAT, Kochi

Plenary/Invited talks/presentations in conferences (within India & Abroad): >70

Research Supervision: 30 Ph.Ds; 8 working

Research Projects undertaken at Mahatma Gandhi University, Kottayam, India
(Total 20 major projects; > INR 15 Crs) International: 7; National: 13

Research Collaborations/MoUs : National: 5; International: 14

Reviewer/Editorial of Journals: > 10

Research Publications : Total: 421 (in Journals/Book chapters/Reviews/Conference proceedings & Abstract volume)