Dr. MANOJ PARAMESWARAN

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Dr. P. Manoj received B.Sc. and M.Sc. Degree in Chemistry from Mahatma Gandhi University in 1995 and 1998 (C. M.S. College, Kottayam). In 2000 he completed his M.Phil from School of Chemical Sciences, Mahatma Gandhi University, Kottayam, Kerala and joined for the Ph.D. programme (under the guidance of Prof. C. T. Aravindakumar) in the same year. During the Ph.D programme he was working a visiting research student at Femtosecond Spectroscopy Laboratory, Pohang University of Science and Technology, South Korea (with Prof. Taiha Joo). He also worked as a visiting research student at Bhabha Atomic Research Centre (BARC), Mumbai and National Centre for Ultra-Fast Processes (NCUFP), Chennai. After completing the Ph.D programme he moved to National University of Singapore, Singapore for the post-doctoral research (with Dr. Xu. Qing-Hua) in the field of femtosecond spectroscopy. Later, he joined at Department of Chemical Sciences, Tata Institute of Fundamental Research (TIFR), Mumbai as a visiting fellow (with Prof. N Periasamy). He was working on excited state dynamics of molecular assemblies (*J*-Aggregates). In 2008 he again moved back to National University of Singapore for post-doctoral research in the field of Organic Electronics (with Prof. Suresh Valiyaveettil and Dr. Qing Wang). He was working in the field of organic photovoltaics and laser spectroscopy in collaboration with Institute of Materials Research and Engineering (IMRE), Singapore. In 2010 Manoj joined as Assistant Professor at Department of Chemistry, St. Michael's College, Cherthala, Kerala (Affiliated to University of Kerala). In 2014 he became the head of the Department of Chemistry. As a first initiative he coordinated the DST-FIST programme and the college has been granted fund from Department of Science and Technology, Government of India under this scheme to a tune of 90 lakhs to strengthen the research and teaching facilities in the Department. He established a research group mainly working on organic electronics and renewable energy. The focus of the research group includes, alternative renewable energy resources especially on low cost solar energy based organic photovoltaic devices. Also the group is interested in the design and synthesis of novel organic molecules for organic electronics (OPV and OLED), synthesis of nanomaterials and their incorporation in photovoltaic devices. His publications appeared in journals such as Energy & Environmental Science, Journal of Physical Chemistry, Macromolecules, Organic Letters, Chemical Physics, Organic Electronics, and Chemistry Letters etc. He has guided several M.Sc. projects and presently three students are working with him for the Ph.D programme.