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Raja Shunmugam received his bachelor's degree in 1994, a master's degree in 1996 from V. O. C. College, Manonmaniam Sundaranar University, Tamil Nadu. He received his Ph. D. from the Indian Institute of Technology Madras under Professor R. Dhamodharan. He then joined Professor Gregory N Tew's laboratory in the Polymer Science and Engineering Department at the University of Massachusetts, Amherst as a postdoctoral research associate from 2003 to August 2008. From September 2008 to 2013, he was an Assistant Professor in the Department of Chemical Sciences at the IISER-Kolkata. From January 2014 to September 2018, he was an Associate Professor in the Department of Chemical Sciences at the IISER-Kolkata. He was the Head of the Department from February 2014 to March 2016. From October 2018 onwards, he has been a full Professor in the Department of Chemical Sciences. He was a recipient of the prestigious Ramanujan Fellowship from the Department of Science and Technology, Government of India. He received the Joint Runner-Up award in the 6th NATIONAL AWARD FOR TECHNOLOGY INNOVATION under the Polymeric Materials category, 20 January 2016, for the Arsenic sensing work. He also received the Joint Winner Award in the 7th NATIONAL AWARD FOR TECHNOLOGY INNOVATION under the Polymeric Materials category, 01 March 2017, for developing a sensor for nerve agents. In 2018, his group received the Joint Runner-Up award in the National Award for Technology Innovation under the polymeric Materials category for developing New Polymer for Drug Delivery application. Raja is the recipient of the coveted NASI-Reliance Industries Platinum Jubilee Award for the year 2019. Under his guidance, 14 Ph.D. students already graduated, and currently, seven students are undergoing their Ph.D. degrees. Raja has published 115 International peer-reviewed publications, six Book Chapters, and one book. He also owns five patents to his credit.