Biography.

Prof. Yuvaraj Sivalingam received his M.Sc. in Physics from Madurai Kamaraj University, India, in 2007, followed by an M.Tech. in Sensor System Technology from VIT University in 2009. He began his research career in 2009 at the Laboratory of Nano Optoelectronic Materials, National Taiwan University of Science and Technology, Taiwan.
He earned his Ph.D. in Sensorial and Learning System Engineering from the University of Rome "Tor Vergata," Italy (2010–2013), where he also completed a postdoctoral fellowship (2013–2014). From 2014 to 2016, he was a JSPS postdoctoral fellow at the Advanced Institute for Materials Research (WPI-AIMR), Tohoku University, Japan.

From 2016 to 2024, Prof. Sivalingam served as an Assistant and Associate Professor (Research) at the SRM Institute of Science and Technology (SRMIST), Kattankulathur, India. During this period, seven PhD students completed their degrees under his guidance. He successfully executed two national projects (DST-SERB ECRA and CRG) and one international project (BRICS Multilateral) during his tenure at SRMIST. He also held the position of Research Scientist in the Computer, Electrical and Mathematical Sciences and Engineering (CEMSE) Division at King Abdullah University of Science and Technology (KAUST), Saudi Arabia, from August 2023 to December 2024. During this time, he was also a Visiting Professor at the University of Rome "Tor Vergata" (December 2023 – January 2024). Currently, he is a Professor and Dean of Research at KPR College of Arts, Science and Research, Coimbatore, India.

Prof. Sivalingam has published 133 articles in international journals and conference proceedings, co-authored one book chapter, and his work has received 1,856 citations with a h-index of 23 & i10-index of 60. His research interests include the synthesis of organic/inorganic hybrid nanomaterials and their applications in sensors for food analysis, environmental monitoring, and medical diagnostics. He also works on electronic devices, environmental pollutant removal, photoelectric/piezoelectric/triboelectric self-powered gas sensor arrays, nanogenerators, photoelectrochemical detection of biomolecules, electrolyte-gated phototransistors, and gate-extended FET-based biosensors.

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