

Dr. K. SUGANANDAM

ASSISTANT PROFESSOR-III/CHEMISTRY

VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY, MADURAI

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Educational Qualification

COURSE	INSTITUTE	YEAR OF STUDY
Ph.D Doctor of Philosophy Chemistry- Industrial Chemistry	Alagappa University, Karaikudi, Tamilnadu, India	(2005-2010) Awarded on 04-06-2010
M.Phil -Polymer Chemistry	Alagappa University, Karaikudi, Tamilnadu, India	(2002-2003)
M.Sc-General Chemistry,	Pasumpon Muthuramalinga Thevar College, Madurai Kamaraj University, Madurai, Tamilnadu, India	(1997-2000)
B.Sc-General Chemistry,	Pasumpon Muthuramalinga Thevar College, Madurai Kamaraj University, Madurai, Tamilnadu, India	(1994-1997)

Experience in Years:17 Years10 months.**Employment History:**

- Velammal College of Engineering & Technology, Madurai, Tamilnadu, India. From 03-03-2021 to Till date as an Assistant Professor in Chemistry, 3 years 3 months.
- Vaigai College of Engineering, Madurai, Tamilnadu, India. From 13-08-2019 to till date as an Associate Professor in Chemistry, 1 years 7 months.
- RVS School of Engineering & Technology, Dindigul, Tamilnadu, India. From 31-08-2017 to 26-02-2019 as an Assistant Professor in Chemistry, 1 years 5 months.
- SBM College of Engineering & Technology, Dindigul, Tamilnadu, India. From 03-03-2016 to 19-08-2017 as an Associate Professor in Chemistry, 1 years 5 months.

- Velammal College of Engineering & Technology, Madurai, Tamilnadu, India. From 15-06-2011 to 11-04-2015 as an Assistant Professor in Chemistry, 3 years 10 months.
- Adhiyamaan College of Engineering, Hosur, Tamilnadu, India. From 01-10-2007 to 25-01-2011 as a Lecturer in Chemistry, 6 years 4 months.
- G.T.N. Arts College, Dindigul, Tamilnadu, India From 29-12-2003 to 30-07-2004 as a Lecturer in Chemistry, 7 months.

Interested Research Areas: Industrial Chemistry- Surface Chemistry

Publications Details:

1. Patent Journal Publication Details:

“Composition and method for removing heavy metal ions from wastewater using functionalized graphene oxide” Patent Application No: 202341015463; Patent Published Date: 17-03-2023.

2. International Journal Publication Details:

- Investigations on Mo dye-doped PPLT single crystals for possible non-linear optical applications. J Mater Sci: Mater Electron (2024) 35:718
- Thermo-hydraulic performance of nanofluids composed of functionalized MWCNT. Materials Today: Proceedings Elsevier Science.
- Application of Support Vector Machines for The Chemical Phosphorus Removal Process in Wastewater Treatment Plants. Eur. Chem. Bull. 2023, 12 (S3), 4672 – 4684
- An Integration of IOT and Sensor Model for Measuring Oxygen Content and Purity in Water. Eur. Chem. Bull. 2023, 12 (S3), 2439 – 2447
- ADMET-Evaluation, Pharmacokinetics, Drug-likeness and Medicinal Chemistry of GCMS Identified Bioactive Compounds of Moringa oleifera Natural-Ripened-Dried Methanolic Pod Extract (MOMPE) as a Potential Source of Natural Drug Frontrunner for Next Generation Drug Design, Development and Therapeutics, Journal of Drug Delivery & Therapeutics. 2022; 12(6):65-85.
- Profile of Phytochemicals and GCMS Analysis of Bioactive Compounds in Natural Dried-Seed Removed Ripened Pods Methanolic Extracts of Moringa oleifera, Journal of Drug Delivery & Therapeutics. 2022; 12(5-S):133-141
- Determination of column performance of fluoride adsorption by different adsorbent in a fixed-bed. Pollution Research, 29(4), 2010.713-716
- Defluoridation of water using bio-adsorbents, Pollution Research, 29(4), 2010.707-711.

- Status of ground water quality in Hosur during summer, Ecology, Environment and Conservation 14(4), 2008. 103-106
- A study on water quality in certain areas of an industrially colonized town – Hosur after Monsoon, Ecology, Environment and Conservation 14(4), 2008. 95- 101
- Status of Surface water quality at Hosur- cultivation for irrigation, Pollution Research, 27(3), 2008. 401- 406
- Status of Surface water quality of Hosur- cultivation usefulness, Pollution Research, 27(3), 2008. 34 – 39.
- Fe³⁺ ion sensing characteristics of polydiphenylamine electrochemical and spectroelectrochemical analysis. “Sensors & Actuators B chemicals “, Elsevier Science. Accepted 2 June 2004, in Department of Chemistry Graduate School, Kyungpook National University, Taegu, South Korea.

3. National Conference Presentation Details:

- Paper presented in National level Conference on “RECENT ADVANCES IN CHEMICAL SCIENCES-2013”(RACS-2013), on 20th February 2013, University College of Engineering, Dindigul, Tamil Nadu, India.