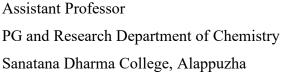
CURRICULUM VITAE

Dr. Vaisakh S S

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E D U C A T I O N

Ph.D. in Chemistry: Faculty of Science, University of Kerala (Jan 2013- Dec 2017).
Date of Award of Ph.D : 02/11/2018

Thesis title: Design of Novel Nano/Micro Ceramic Fillers for the Processing of High Thermal Conducting Epoxy Polymer Dielectrics

Supervisor: Dr. S. Ananthakumar, Material Science and Technology Division, NIIST, Trivandrum

- CSIR NET Lectureship (Rank 183, Dec. 2010) from Council of Scientific and Industrial Research (CSIR), India
- M.Sc Chemistry: 2009 2011: Department of Chemistry, University of Kerala, Kariavattom Campus.
- First class with 78% (according to Credits and Semester System)
- B.Sc. Chemistry: 2006-2009: VTMNSS College, Dhanuvachapuram, under University of Kerala
- Chemistry main, with Physics and Mathematics as subsidiary subjects
- First class with distinction (89%)
- > Plus Two: 2004-2006: Govt. Boys Higher Secondary School, Neyyattinkara

- Science stream with Physics, Chemistry, Biology and Mathematics as subjects
- First class with distinction (89.5%)
- S.S.L.C: 2004: KPM High School, Krishnapuram
 - Distinction with 93.5% marks

TEACHING EXPERIENCE

- Assistant Professor in Chemistry at Sanatana Dharma College, Alappuzha for the period from 29/10/2021 to Current.
- Government Guest Lecturer in Chemistry at S N College, Chempazhanthy for the period from 04/01/2021 to 23/03/2021
- Government Guest Lecturer in Chemistry at S N College, Chempazhanthy for the period from 28/06/2019 to 20/03/2020
- Government Guest Lecturer in Chemistry at S N College, Chempazhanthy for the period from 26/09/2018 to 22/03/2019
- Government Guest Lecturer in Chemistry at S N College, Chempazhanthy for the period from 09/06/2017 to 27/11/2017
- Government Guest Lecturer in Chemistry at S N College, Chempazhanthy for the period from 03/10/2016 to 24/03/2017
- Part Time Guest Lecturer in Chemistry at VTMNSS college, Dhanuvachapuram for the period from 16/11/2011 to 30/03/2012

PUBLICATIONS

- Effect of nano/micro-mixed ceramic fillers on the dielectric and thermal properties of epoxy polymer composites. *Polym. Adv. Technol.* 2014, 25, 240.
- MAX Phase Ternary Carbide Derived 2-D Ceramic Nanostructures [CDCN] as Chemically Interactive Functional Fillers for Damage Tolerant Epoxy Polymer Nanocomposites. *RSC Advances*, 2015, 5, 16521.

- Effect of Nano-modified SiO₂/Al₂O₃ Mixed Matrix Micro composite Fillers on Thermal, Mechanical and Tribological Properties of Epoxy Polymers. *Polym. Adv. Technol.*, 2016, 27(7), 905-914.
- Zn-dust derived Zn/ZnO cermet fillers for thermally conductive High-k epoxy dielectrics. *Materials Today : Proceedings*, 25(2),155-162, 2020.
- Thio amino acids-modified manganese doped ZnS quantum dot probes for the photoluminescent sensing of hazardous nitro aromatics. *Materials Today : Proceedings*, 2020. 41 (3), 628-637, 2021.
- MPTS Modified ZnS-Mn2+ Quantum Dot Probes for Cu2+ Ions Fluorescent Sensing in Aqueous Solution, *Journal of Analytical Chemistry*, 2023, 78, 2, 175-184.
- Published a text book "Introduction to Supramolecular, Nano & Green Chemistry" for sixth semester elective course for chemistry students under University of Kerala. [ISBN : 978-93-5291-273-5]

INTERNATIONAL/NATIONAL CONFERENCES AND AWARDS

- Total number of papers presented in conferences : 11
- Invited talk 1, International 3 National 7
- Delivered an Invited talk on the topic "MAX-Phase nanostructures:-Exciting functional fillers for epoxy dielectrics" on the occasion of Polymer Conference for Young Researchers (PCYR-15) held at CSIR-NIIST on Dec 18, 2015.
- Royal Society of Chemistry's Nano Scale poster award in International Conference on Nano Science and Technology (ICONSAT 2014) held at INST Chandigarh during 2-5 March 2014.
- Best Oral presentation award in the National Seminar on Advanced Materials (NSAM-2017) held at Dept. of Chemistry and School of Physical and Mathematical Sciences, , University of Kerala on 4 october 2017.
- **Best poster award** in Polymer Conference for Young Researchers (PCYR-14) held at CSIR-NIIST Trivandrum on 18th October 2014.

- Best Oral presentation award in the National Seminar on "Frontiers of polymers and Advanced Materials (FPAM-2014) held at Dept. of Chemistry, kariavattom campus, University of Kerala during 5-7 November 2014.
- 2nd Best oral presentation award in the National Seminar on "Materials; Process and Applications of Novel Technologies (NMAT-2013) held at HHMSPBNSS College for Women, Thiruvananthapuram during 7-8 November 2013.

OTHER PERFORMANCES

- Quiz master of 'Rasathanthra', a National level quiz competition for graduate and post graduate students, hosted by Dept. of chemistry, University of Kerala and IAHEAM
- Invited speaker during the inaugural session of Association of Chemistry and Industrial Chemistry (ACIC) held at Department of Chemistry, TKMM college, Nangiarkulangara in 2015

OTHER RESPONSIBILITIES

- Director Board member of Sree Chithira Thirunal Grandhasala at Vanchiyoor
- Management Committee and Academic Committee Member of Sree Saraswathy Vidyalaya, Ooruttambalam

PERSONAL PROFILE

- Date of Birth : 22nd May 1989
- Marital Status : Married
- Nationality : Indian
- Languages known : English, Hindi, Malayalam & Tamil

I hereby declare that all the details furnished above are true to the best of my knowledge.

10/02/2024

VAISAKH S S