

CURRICULUM VITAE

Dr. Vaisakh S S

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Assistant Professor

PG and Research Department of Chemistry

Sanatana Dharma College, Alappuzha

EDUCATION

- **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 (CONSAT 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

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