

Name : Dr. S. Mohammed Safiullah
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1. Academic Qualification

Degree	Year	Subject	Institution	University
Ph.D.	2016	Polymer Nanocomposites	C. Abdul Hakeem College (Autonomous)	Thiruvalluvar University
M.Phil.	2009	Polymer Chemistry	C. Abdul Hakeem College	Thiruvalluvar University
PG	2008	Inorganic Chemistry	School of Chemical Sciences	University of Madras
UG	2006	General Chemistry	C. Abdul Hakeem College	Thiruvalluvar University

2. Work Experience

S.No.	Positions Held	Name of the Institute	From	To
1.	Assistant Professor	C. Abdul Hakeem College of Engineering & Technology, Melvisharam	01.07.2008	31.05.2016
2.	Assistant Professor	C. Abdul Hakeem College (Autonomous), Melvisharam	16.06.2016	Till date

3. Professional Recognition/Award/Prize/Certificate/Fellowship received

S.No.	Name of the Award	Awarding Agency	Year
1.	International Certificate for Teachers and Trainers	Cambridge University	2012

4. Professional Development Programme Attended (FDP/FIP/RC/OP/PDP – More than 3 Days)

S.No.	Name of the Programme	Name of the Organizer	Duration With Date
1	Orientation Programme	University of Madras	28
2	Refresher Course	University of Madras	14
3	Online Refresher Course in Chemistry for Higher Education (SWAYAM)	Sri Guru Tegh Bahadur Khalsa College (National Resource Centre), University of Delhi	16 Weeks

4	Two Day Faculty Development on Virtual Teaching	Teaching Learning Centre, Coimbatore Institute of Technology	2
5	Refresher Course	Savitribai Phule Pune University, Pune	14
6	Refresher Course	Savitribai Phule Pune University, Pune	14
7	Professional Development Programme	Indira Gandhi National Open University	7

5. Research

5.1 List of Papers published

1. MD. Furqaan Valiyathur., Ahmed Raza, A., Anver Basha Kottur, and **Mohammed Safiullah Sakvai.**, 2024. Synthesis, characterization and photocatalytic activity of alginate based hybrid material for efficient degradation of organic pollutants under UV light and sunlight irradiation. *Carbohydrate Polymers*, p.122431.
2. MD. Furqaan Valiyathur., Anver Basha Kottur, and **Mohammed Safiullah Sakvai.**, 2024. Alginate reinforced composite of CuO-gC₃N₄: Synthesis, characterization and photocatalytic activity. *Materials Letters*, p.136901.
3. Rehan, K.M., Basha, K.A. and **Safiullah, S.M.**, 2023. A Review on Engineering of Poly (Glycidyl Methacrylate) Microspheres. *Polymer Science, Series A*, 65(6), pp.593-615.
4. Rehan, K.M., Basha, K.A. and **Safiullah, S.M.**, 2023. Synthesis of poly (glycidyl methacrylate) based hybrid materials and evaluation of methylene blue adsorption: structural characterization and adsorption behaviour. *Journal of Inorganic and Organometallic Polymers and Materials*, 33(7), pp.2172-2187.
5. Rehan, K.M., Taju, G., Mithra, S., Majeed, S.A., Basha, K.A., Hameed, A.S.S. and **Safiullah, S.M.**, 2023. Reusable Polymer Ternary Nanocomposite for the Removal of Cationic Dyes— Adsorption Isotherms, Kinetics, Thermodynamic and Toxicity Studies. *Water, Air, & Soil Pollution*, 234(5), p.314.
6. Ashfaque, P.M., Ahmed, A.N., **Safiullah, S.M.**, Taju, G., Majeed, S.A., Hameed, A.S. and Basha, K.A., 2022. Toxicological assessment of functional polymer with single-walled carbon nanotubes in zebrafish embryos and its gill cell line. *Chemosphere*, 303, p.134891.
7. P Mohamed Ashfaque, K Abdul Wasi, K Mohammed Rehan, J Sathish Banarji, **S Mohammed Safiullah**, K Anver Basha, 2022. Anticorrosive behaviour of poly (vinyl carbazole-co-methoxy ethyl methacrylate) and its nanocomposites. *Materials Today: Proceedings*, 62, 5665-5670.

8. K Mohammed Rehan, B Anbarasu, P Mohamed Ashfaque, **S Mohammed Safiullah**, K Anver Basha, 2022. Synthesis and characterization of poly (vinyl carbazole-co-ethoxy ethyl methacrylate) and its nanocomposites. *Materials Today: Proceedings*, 50, 325-330.
9. Pugazhenth, I., **Safiullah, S.M.** and Basha, K.A., 2021. Photostable electroactive polymer based nanocomposite films for the protection of mild steel from corrosion. *Polymers and Polymer Composites*, 29(9_suppl), pp.S130-S142.
10. Pugazhenth, Ilangovan, **Mohammed Safiullah Sakvai**, Anver Basha Kottur (2018) "UV and corrosion protective behavior of polymer hybrid coating on mild steel." *Journal of Applied Polymer Science*, 135, 46175.
11. B. Ranjithkumar, **S. Mohammed Safiullah**, K. Babu, K. Anver Basha. (2018) "Synthesis and Characterization of Methacrylate Based Antibacterial Copolymers for Anticorrosive Application" *Polymer-Plastics Technology and Engineering*, 57, 7, 657–668.
12. I. Pugazhenth, **S. Mohammed Safiullah**, K. Anver Basha. (2017) "Synergistic effect of functionally active methacrylate polymer and ZnO nanoparticles on optical and dielectric properties" *Materials Chemistry and Physics*, 193, 203–211.
13. I. Pugazhenth, **S. Mohammed Safiullah**, K. Anver Basha. (2016) "An electrically active methacrylate based polymer reinforced with ZnO– Synthesis, characterization and dielectric properties" *Materials Letters*, 183, 240–243. (Publisher: Elsevier)
14. **Mohammed Safiullah, S.**, Abdul Wasi, K. and Anver Basha, K., 2018. Direct deposition of copper nanoparticles on poly (glycidyl methacrylate) beads. *Polymer Composites*, 39(6), pp.1913-1921.
15. D. Thirumoolan, K. Anver Basha, Tapan Kanai, **S. Mohammed Safiullah**, K. Vetrivel, K. Abdul Wasi, B. Ranjith Kumar, (2016) "Synthesis, characterization and reactivity ratios of poly N-(p-bromophenyl)-2-methacrylamide-co-N-vinyl-2-pyrrolidone." *Journal of Saudi Chemical Society*, 20, 195–200.
16. **S. Mohammed Safiullah**, K. Abdul Wasi, K. Anver Basha. (2015) "Synthesis of Poly(Glycidyl methacrylate)-Copper Nanocomposite beads by *In-situ* Suspension polymerization and Deposition Method- A Comparative Study." *Polymer*, 66, 29-37.
17. **S. Mohammed Safiullah**, K. Abdul Wasi, K. Anver Basha. (2015) "Poly(Glycidyl Methacrylate)-a Soft Template for the Facile Preparation of Poly(Glycidyl Methacrylate) core-Copper Nanoparticle Shell Nanocomposite." *Applied Surface Sciences*, 357, 112-121.
18. Wasi, K.A., **Safiullah, S.M.** and Basha, K.A., 2017. Halogenated methacrylate-based aluminum oxide (Al₂O₃) nanocomposites: Effect of nano-Al₂O₃ on morphological and thermal properties. *Journal of Thermoplastic Composite Materials*, 30(6), pp.762-772.

19. **S. Mohammed Safiullah**, K. Abdul Wasi, K. Anver Basha. (2014) "Preparation of poly(Glycidyl methacrylate) Copper nanocomposites by *In-situ* Suspension Polymerization-A Novel Synthetic Method." *Materials Letters*, 133 60-63.
20. **S. Mohammed Safiullah**, K. Abdul Wasi, K. Anver Basha. (2014) "A Comparative study on Corrosion Resistant Performance of Halogenated Copolymers." *Journal of Coatings Technology & Research*, 11 685-696.
21. D. Thirumoolan, **S. Mohammed Safiullah**, K. M. Govindaraju, D. Gopi, K. Anver Basha. (2014) "Corrosion Protection Behavior of Poly(N-(p-bromophenyl)-2-methacrylamide-co-ethyl methacrylate) Coatings on Low Nickel Stainless Steel." *International Journal of Polymeric Materials and Polymeric Biomaterials*, 63 820-830.
22. **S. Mohammed Safiullah**, D. Thirumoolan, K. Anver Basha, K. M. Govindaraju, D. Gopi, Tapan Kanai, A.B. Samui, (2011) "Synthesis, characterization and corrosion protection properties of poly N-(p-bromophenyl)-2-methacrylamide-co-glycidyl methacrylate) coatings on low nickel stainless steel." *Journal of polymer Engineering*, 31, 199-204.

5.2. Books/Reports/Chapters/General articles etc.

1. **Authors** : **S. Mohammed Safiullah**, K. Abdul Wasi, K. Anver Basha,
Chapter Title : Fabrication of Metal Nanoparticles on Poly(Glycidyl Methacrylate): Synthesis, Characterization and Catalytic Application
Book Title : **Nanotechnology-Driven Engineered Materials New Insights**
ISBN No. : **9781771886345**
Publisher : **Apple Academic Press**
Year : **2018**
2. **Authors** : **S. Mohammed Safiullah**, I. Pugazhenthii, K. Anver Basha,
Chapter Title : Design, Development and Optical Properties of Functional Active Methacrylate Polymer/ZnO Nanocomposites
Book Title : **Physical Chemistry for Engineering and Applied Sciences Theoretical and Methodological Implication**
ISBN No. : **9781771886277**
Publisher : **Apple Academic Press**
Year : **2018**
3. **Authors** : I. Pugazhenthii, **Sakvai Mohammed Safiullah**, K. Anver Basha
Chapter Title : Design, Fabrication and Characterization of an Electrically Active Methacrylate Based Polymer-ZnO Nanocomposites for Dielectrics.
Book Title : **Modern Physical Chemistry Engineering Models, Materials, and Methods with Applications**

ISBN No. : 9781771886437
Publisher : Apple Academic Press
Year : 2018

5.3. List of Paper Presentations in National/International Conference

1. Presented a Paper titled ***“Corrosion Protection Performance of Polymer/graphene composite coating on Mild Steel”*** in the 6th International Conference on Recent Advances in Materials Chemistry (**ICRAMC-22**), **SRM Institute of Science and Technology, Chennai in association with Alternative Energies and Atomic Energy Commission (CEA) & Universite Gustave Eiffle, France**, during 17.02.2022 to 19.02.2022.
2. Presented a Paper titled ***“Functional Polymer and its Nanocomposites - Synthesis and Characterization”*** in the 5th International Conference on Recent Advances in Material Chemistry (**ICRAMC-2021**), held at **SRM Institute of Science and Technology, Chennai in association with Alternative Energies and Atomic Energy Commission (CEA) & Universite Gustave Eiffle, France**, during 18.2.2021 to 20.2.2021.
3. Presented a Paper titled ***“Photostable Electroactive Polymer Based TiO₂ Nanocomposite Films for the Protection of Mild Steel from Corrosion”*** in the International Virtual Conference on Innovative Research in Chemical Science (**IRCS-2020**), organized by **SRM Institute of Science and Technology, Ramapuram Campus, Chennai**, during 29.6.2020 to 30.6.2020.
4. Presented a Paper in the 5th International Conference on Nanoscience and Nanotechnology (**ICONN 2019**) at **SRM Institute of Science and Technology, Chennai** from 28.1.2019 to 30.1.2019.
5. Presented a paper titled ***“Development of Facile Synthetic Route for the Preparation of Poly(Glycidyl Methacrylate) core-Nickel Nanoparticle Shell Nanocomposite”*** (Oral Presentation) in the three days International Conference on Nanomaterials and Nanotechnology (**NANO-15**) held at **K.S. Rangasamy College of Technology, Tiruchengode, India**, during 7-10, December 2015.
6. Presented a paper titled ***“Fabrication of Metal Nanoparticles on Poly(glycidyl methacrylate) - Synthesis, Characterization and Catalytic Application”*** in the three days International Conference on Nanostructured Polymeric Materials and Polymer Nanocomposites (**ICNPM 2015**) held at **International and Inter University Centre for Nanoscience and Nanotechnology (IUCNN)**, Mahatma Gandhi University, Kerala, India, during 13th to 15th November 2015.
7. Presented a paper titled ***“A New Polymeric Material for the Optimization of Corrosion Coatings”*** in the three days International Corrosion Prevention Symposium for Research

Scholars (**CORSYM-2013**) held at Hotel GRT Grand, Chennai, India, during February 28th to March 2nd, 2013.

8. Presented a paper titled “*Synthesis, characterization and corrosion protection properties of poly N-(p-bromophenyl)-2-methacrylamide-co- N- Vinyl Pyrolidone on low nickel stainless steel*” in Asian Conference on Recent Advances in Polymer Science (**RAPS 2010**) held at SASTRA university, Tanjavur, during 22nd & 23rd January 2010.
9. Presented a paper titled “*Corrosion Resistant Performance of Methacrylate Based Halogenated Copolymer*” in two days National Conference on Frontiers in Chemistry and Environment (**NCFCE-2015**) held during 27th & 28th March 2015, at C. Abdul Hakeem College of Engineering & Technology, Melvisharam, Tamil Nadu, India.
10. Presented a paper titled “*Synthesis and Characterization of Poly(Glycidyl methacrylate)-Copper Nanocomposites,*” in two days UGC sponsored National Seminar on Recent Research Trends in Chemistry (**RRTC 2014**) held during 25th & 26th September 2014, at C. Abdul Hakeem College, Melvisharam. Tamil Nadu, India.
11. Presented a paper titled “*Characterization of Functional 2,4,6- tribromophenyl methacrylate-Al₂O₃ nanocomposites prepared from Solution Mixing*” in two day National Seminar Nanostructured Materials (**NSM 2014**) held during 12th & 13th August 2014, at NSS Hindu College, Kottayam, Kerala, India.
12. Presented a paper titled “*Synthesis and Evaluation of Anti-Corrosive behaviour of Poly (MMBT-co-N-Vp)*” in 16th National Convention of Electrochemist (**NCE-16**) held during December 15-16, 2011 at P.S.G.R. Krishnammal College for Women, Coimbatore, Tamil Nadu, in collaboration with SAEST CECRI, Karaikudi-6, Tamil Nadu, India.

5.4. Ph.D. Guidance

S.No.	Name of Scholar	Date of Joining Ph.D.	Status (Awarded/In Progress)	Ph.D. Viva date
1	K. Mohammed Rehan	16.05.2019	Awarded	30.10.2023
2	O. Akbar Basha	23.04.2021	In Progress	-
3	V. MD. Furqan	02.12.2021	In Progress	-
4	K. Althaf Ibrahim	09.05.2024	In Progress	-

5.5. Research Identification

Orcid ID: https://orcid.org/0000-0003-2951-3996	Researcher ID: KDN-2056-2024
Vidwan-ID : 213354	https://vidwan.inflibnet.ac.in/profile/213354
SCOPUS ID: 57190377889; 55867357000;48061316900	Google Scholar ID: 8Br6nMAAAAJ