

STAFF PROFILE

Name : Dr. K. Anver Basha

Designation : Associate Professor

Department : PG & Research Department of Chemistry

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1. Academic Qualification

Degree	Year	Subject	Institution	University
Ph.D.	2008	Polymer chemistry	University of Madras	University of Madras
M. Phil.	1987	Polymer chemistry	University of Madras	University of Madras
PG	1984	Chemistry	New College	University of Madras
UG	1982	Chemistry	C. Abdul Hakeem College	University of Madras

2. Work Experience

S.No.	Positions Held	Name of the Institute	From	To
1.	Lecturer	C. Abdul Hakeem college	01-08-1988	31-08-1993
2.	Lecturer,(Senior scale)	C. Abdul Hakeem College	01-09-1993	31-08-1997
3	Lecturer, S.G.	C. Abdul Hakeem College	01-09-1997	12-02-2008
4	Associate Professor,	C. Abdul Hakeem College	13-02-2008	Till now

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

S.No.	Name of the Award	Awarding Agency	Year
1	Arunai International Excellence Teaching Award	Arunai International Research Foundation (AIRF)	2017

4. Research

Projects and Funding:

1. UGC-MRP: *Synthesis and characterization of a novel anticorrosive copolymer*

Sanctioned amount: Rs. 11, 03,800 /- Years: 2011-2014 (Completed)

2. DRDO-MRP: *Development of new functional materials for anticorrosive coatings*

Sanctioned amount: Rs. 17, 76,680 /- Years: 2014-2017. (Completed)

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4.1 List of Papers published

1. Pugazhenthii 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. (Publisher: Wiley) (I.F. 1.86)
2. B. Ranjithkumar, S. Mohammed Safiullah, K. Babu, **K. Anver Basha***, (2017) Synthesis and Characterization of Methacrylate Based Antibacterial Copolymers for Anticorrosive Application. *Polymer-Plastics Technology and Engineering*, DOI: 10.1080/03602559.2017.1344850,
3. Pugazhenthii Ilangovan, Mohammed Safiullah Sakvai, **Anver Basha Kottur***, (2017) Synergistic effect of functionally active methacrylate polymer and ZnO nanoparticles on optical and dielectric properties. *Materials Chemistry and Physics* 193, 203-211.
4. Pugazhenthii Ilangovan, Mohammed Safiullah Sakvai, **Anver Basha Kottur**. (2016) An electrically active methacrylate based polymer reinforced with ZnO– Synthesis, characterization and dielectric properties, *Materials Letters* 183, 240–243.
5. Sakvai Mohammed Safiullah, Kathikar Abdul Wasi, **Kottu Anver Basha**, (2016) Direct Deposition of Copper Nanoparticles on Poly (glycidyl methacrylate) Beads, *Polym. Compos. doi:10.1002/pc.24148*.
6. K. Abdul Wasi, S. Mohammed Safiullah, and **K. Anver Basha**. (2015) Halogenated Methacrylate based Al₂O₃ Nanocomposites: Effect of Nano- Al₂O₃ on Morphological and Thermal properties. *Journal of Thermoplastic Composite Materials* 30, 762-772.
7. D. Thirumoolan, T. Siva, K. Vetrivel, S. Sathiyarayanan, **K. Anver Basha**, (2015), Corrosion resistant performance of hydrophobic poly(N-vinylimidazole-co-ethyl methacrylate) coating on mild steel. *Progress in Organic Coatings*, 89, 181–191
8. S. Mohammed Safiullah, K. Abdul Wasi and **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 science*, 357, 112-121.
9. S. Mohammed Safiullah, K. Abdul Wasi and **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.
10. Tapan Kanai, D. Thirumoolan, R. Mohanram, K. Vetrivel, **K. Anver Basha***. (2015), Antimicrobial activity of hyperbranched polymers: Synthesis, characterization, and

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- activity assay study. *Journal of Bioactive and Compatible polymers*. 1-2.DOI: 10.1177/0883911514565936.
11. N. Rajan, **K. Anver Basha**, (2014) Rapid determination of fingolimod hydrochloride-related substances and degradation products in API and pharmaceutical dosage forms by use of a stability-indicating UPLC method. *Chromatographia* 77, 1545.
 12. N. Rajan, **K. Anver Basha**, (2014) HPLC method development for determination of Glyoxal content in ondansetronHCl drug substances by derivatization with 2,4 DNPH. *Journal of liquid chromatography and related technologies*, 37, 2800.
 13. S. Mohammed Safiullah, K. Abdul Wasi and **K. Anver Basha** (2014). Preparation of poly(Glycidyl methacrylate)-copper nonocomposite by in-situ suspension polymerization-A novel synthetic method. *Materials Letters*, 133, 60-63.
 14. S. Mohammed Safiullah, K. Abdul Wasi and **K. Anver Basha**. (2014) A comparative study on corrosion-resistant performance of halogenated copolymers. *Journal of coatings Technologies and research* 11, 685-696.
 15. D.Thirumolan, Vikas A. Katkar, G. Gunasekaran, Tapan Kanai, **K. Anver Basha** (2014) Hyperbranchedpoly(cyanurateamine): A new corrosion inhibitor for mild steel in Hydrochloric acid medium. *Progress in Organic Coatings* 77, 1253.
 16. S. Venkatesan, B. Ranjithkumar, S. Rajeshkumar and **K. Anver Basha** (2014), Synthesis, Characterization, Thermal Stability and Antibacterial Activity of Coumarin Based Methacrylate Copolymers. *Chinese Journal of Polymer Science*. 32, 1373–1380.
 17. 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.
 18. D.Thirumoolan, **K.Anver Basha**, Tapan Kanai,S. Mohamed Safiullah, K. Vetrivel, K. Abdul wasi, B. Ranjith Kumar, (2013) Synthesis, Characterization and Reactivity Ratios of Poly N-(p-bromophenyl)-2-methacrylamide-Co-N-vinyl-2-pyrrolidone. *Journal of Saudi Chemical Society*, DOI 10.1016/j.jscs.2013.09.003.
 19. K.M.Govindaraju., D.Gopi, **K. Anver Basha** (2013) Synthesis, characterization and electrochemical evaluation of anti-corrosive performance of poly((N-

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methacryloxymethyl) benzotriazole-co-N-vinylpyrrolidone) coatings. *Journal of Applied Electrochemistry*, **43**, 1043-1054.

20. **K. Anver Basha**, S. Mohamed Safiullah, D. Thirumoolan, D. Gopi, K.M.Govindaraju., TapanKanai, A.B. Samui (2011). Synthesis, characterization and corrosion protection properties of Poly N-(p- Bromophenyl)-2-Methacrylamide-CO-Glycidylmethacrylate on low nickel stainless steel. *Journal of polymer Engineering* **31**, 199-204.
21. Gopi, D, Govindaraju, K.M., Kavitha, L., and **Anver Basha, K.**,(2011). Synthesis, characterization and corrosion protection properties of poly(N-vinyl carbozole-co-Glycidylmethacrylate) coatings on low nickel stainless steel. *Progress in organic coatings*. **71**; 11-18
22. **Anver Basha, K.**, Franklin. D. S,Balamurugan.R ,Kannan.R, Urzua, M, Leiva, A., Gargallo, L., and Radic, D (2010). Comparative study of thermal degradation of N-vinyl imidazole/phenoxyand methoxyethylmethacrylate copolymers. *International Journal of Polymeric materials* **59**, 510517.
23. Rajesh Kumar, S., Venkatesan. C., Sarathi, M., SarathBabu. V., John Thomas, **Anver Basha. K.**, Sahul Hameed, A.S (2008). Oral deliveries of DNA construct using chitosan nanoparticles to protect the shrimp from white spot syndrome virus (WSSV). Fish and Shelfish *Immunology*, **26**, 429-437.
24. **Anver Basha, K**, Balakrishnan, T, Urzúa, M, Leiva, A., Gargallo, L., and Radic, D., (2008). Copolymers of Phenoxy Ethyl Methacrylate with Glycidyl Methacrylate. Synthesis, Characterizations and Reactivity Ratios. *International Journal of Polymeric materials* **57**; 216-227.
25. **Anver Basha, K**, Balakrishnan, T, Urzúa, M, Leiva, A., Gargallo, L., and Radic, D., (2008).Copolymers of Phenoxy Ethyl Methacrylate with Butyl Methacrylate. Synthesis, Characterization and Reactivity ratios. *International Journal of Polymeric materials* **58**, 141-149.
26. **Anver Basha, K**, Balakrishnan, T, Urzúa, M, Leiva, A., Gargallo, L., and Radic, D., (2006).Copolymers of Phenoxy ethyl Methacrylate with N-Vinyl-2-pyrrolidone: Synthesis, Characterization and Reactivity Ratios. *Journal of Macromolecular Science-Pure and Applied Chemistry*. **A.43**, 10.

4.2 Detail of patents.

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Nil

4.3 List of Books/Reports/Chapters/General articles etc. (Author, Chapter Title, Book Title, Publisher, Year, ISBN/ISSN)

- 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**
- Authors** : S. Mohammed Safiullah, I. Pugazhenthii, **K. Anver Basha***,
Chapter Title : Design, Development and Optical Properties of Functional Active Methacrylate Polymer/ZnONanocomposites
Book Title : **Physical Chemistry for Engineering and Applied Sciences Theoretical and Methodological Implication**
ISBN No. : **9781771886277**
Publisher : **Apple Academic Press**
Year : **2018**
- Authors** : I. Pugazhenthii, S. Mohammed Safiullah, **K. Anver Basha***
Chapter Title : Design, Fabrication and Characterization of an Electrically Active Methacrylate Based Polymer-ZnONanocomposites for Dielectrics.
Book Title : **Modern Physical Chemistry Engineering Models, Materials, and Methods with Applications**
ISBN No. : **9781771886437**
Publisher : **Apple Academic Press**
Year : **2018**

4.4 List of Paper Presentations in National/International Seminar/Conference (Paper Title, Seminar/Conference, Place, Date)

1. Presented a Poster in seventeenth national congress on corrosion control on Aug 21-23, 2014 at CECRI, Karaikudi, Tamil Nadu, India. Organized by National Corrosion Council of India (NCCI), Karaikudi.

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2. Presented a paper & poster in National seminar on nanomaterials (NSM-2014) on August 12-13, 2014 at NSS Hindu College, Changanacherry, Kerala, India. Organised by UGC and KSTE, India.
3. Presented a paper in International Corrosion Prevention Symposium for Research Scholars (CORSYM-2014) on Feb 20 and 21, 2014 at IIT Bombay, Mumbai. Organized by NACE International, USA and jointly organized by IIT Bombay, Mumbai, India.
4. Presented a Poster in International Conference on Recent Advances in Textile and Electrochemical Science-2013(RATES-2013) on March 21-23, 2013 at Alagappa University, Karaikudi, Tamil Nadu, India. Organized by Department of Industrial Chemistry Alagappa University, Karaikudi, Tamil Nadu, India.
5. Presented a paper in International Corrosion Prevention Symposium for Research Scholars (CORSYM-2013) on Feb 28 and March 1, 2, 2013 at GRT Grand Chennai. Organized by NACE International, USA and Jointly organized by IGCAR, Kalpakkam, Tamil Nadu, India.
6. Presented a Poster in International Conference on Multidisciplinary Frontiers of Medicinal Chemistry – 2013 (MFMC-2013) on January 18-19, 2013 at SASTRA University, Thanjavur, Tamil Nadu, India.
7. Presented a Poster in State Level Seminar on Recent Trends in Chemistry (RTC-2012) on 13 and 14 Sep-2012 at Govt. Arts College, Chidambaram. Organized by Govt. Arts College, Chidambaram, Tamil Nadu, India.
8. Presented a paper in 4th International Conference on “Science, Engineering And Technology (SET)” on May 3 and 4, 2012 at Vellore Institute of Technology (VIT) University. Organized by School of Information Technology and Engineering, VIT University, Vellore – 632 014.
9. Presented a Poster on National Conference on “Advanced Nanomaterials (ANM-2012)” at Periyar University, Salem-11, Tamil Nadu during 6-7 February 2012.
10. Presented a Poster on National Conference on Frontiers Areas in Chemistry (NCFAC-2011), Pondicherry University, and Pondicherry, India on 22.12.2011.
11. Presented a paper in Sixteenth National Convention of Electrochemists(NCE- 16) on December 15 and 16, 2011 at P.S.G.R. Krishnammal College for Women, Coimbatore. Organizes by Society for Advancement of Electrochemical Science and

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Technology, CSIR-CECRI, Karaikudi & P S.G.R Krishnammal College for Women, Coimbatore.

12. Presented a paper in National Conference on Recent Trends in Polymeric Materials (RTPM- 2011) on October 12, 2011 at Central Leather Research Institute, Adayar, Chennai. Organized by Society for Polymer Science, India- Chennai Chapter.
13. Presented a paper in National Conference on Nanostructured materials and Nanocomposites (NCNM- 2011) on March 17 and 18, 2011 at Department of Chemistry, NSS College Ottapalam, Plakkad, Kerala, India
14. Presented a paper in National seminar & Exhibiton on Polymeric Materials in Defence (POMADE-2011) organized by Defence Research and Development Organization (DRDO), Naval Materials Research Laboratory (NMRL), Ambernath, India on Feb 4-5, 2011
15. Presented a paper in Fifteenth National convention of Electrochemists (NCE15) organized by VIT University, Vellore on February 18-19, 2010.
16. Presented a paper in Asian conference on Recent Advances in Polymer Science organized by SASTRA University Thanjavur on January 22 and 23, 2010.
17. Presented a paper in second international conference on Polymer Processing and Characterization organized by Institute of Macromolecular Science and Engineering, Kottayam, Beijing University of Chemical Technology, Beijing and Centre for Nanoscience and Nanotechnology, MG University, Kottayam from Jan 15 – 17, 2010.
18. Presented a paper in ICNM -2009 First international conference on Nanostructured materials and Nanocomposites 6th April to 8th April 2009, organized by Institute of Macromolecular Science and engineering Kottayam, Kerala.
19. Presented a paper in MACRO 2009- Recent advances in polymeric materials -10th National conference of The Society for polymer Science, organized by Department of Chemistry, Indian Institute of Technology, Chennai, on 9th March to 11th March 2009.
20. As a chief guest, given a talk on “crystallinity behavior and T_g of copolymers” seminar organized by post graduate department of polymer science MES Keveeyam College, Veleenchery, Malappuram, Kerala on 13th October 2008

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21. Presented a paper in UGC sponsored National level seminar on Recent advancements in Polymer chemistry and Nanotechnology on 12th and 13th September 2008, conducted by D.K.M College for women, vellore.
22. Presented a paper in UGC sponsored National level seminar on Emerging trends in Analytical techniques conducted by P.G and Research department of chemistry, Islamiah College, Vaniyambadi on 11th and 12th August 2008
23. Presented a paper in International conference on Material polymers, Bio-Polymers, Bio-Materials, their composites, Blends and Gels: Conducted by Institute for Macromolecular Science and Engineering, Kottayam on November 19-21, 2007.
24. Presented a paper in National Seminar on “Frontiers in Chemistry on March 24 & 25th 2006 organized by Department of applied Chemistry, Cochin University of Science and Technology, Sponsored by University Grants Commission..
25. Presented a paper in “POLYMER 2006” National conference on Frontiers in Polymer Science and Technology” on Feb. 10 to 12th 2006 organized by Polymer Science Unit, Indian Association for the cultivation of science, Jadvapour, Kolkata and the Society for polymer science, Kolkata, India.
26. Presented a paper “National conferences on Futuristic polymer materials” on September 23 & 24th 2005 organized by Department of Chemistry R.V. College of Engineering, Bangalore sponsored by Department of Science and Technology, New Delhi and National super tech Composites, Bangalore
27. Presented a paper “National conferences on Futuristic polymer materials” on September 23 & 24th 2005 organized by Department of Chemistry R.V. College of Engineering, Bangalore sponsored by Department of Science and Technology, New Delhi and National super tech Composites, Bangalore
28. Presented a paper in National seminar on “Recent developments in biomedical polymers and their applications” on May 13 & 14th 2005 organized by Shriram Institute for Research Bangalore in collaboration with Ministry of Science and Technolgy Government of India
29. Presented a paper in the National Symposium on “Currents Trends in Material Science”, conducted by Auxillium College, Vellore on 05.02.2003 & 06.02.2003.
30. Presented a paper in the State Level Conference on Water Management: Resources, Pollution and Effect on Health, “Fluoride content in ground water and ground water

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quality in various villages of Vaniyambadi Taluk”, conducted by St. John’s College, Palayamkottai, sponsored by UGC on 08.08.2002.

31. Presented paper in the Eleventh Annual Symposium in Chemistry, conducted by Dept. of Chemistry, Indian Institute of Technology, Chennai, on 15.03.1986 & 16.03.1986