

## FACULTY PROFILE



Dr. Mubashirunnisa A. currently serves as Assistant Professor at the Department of Chemistry at Auxilium College (Autonomous), Vellore. She has 8 years of teaching experience. She completed her B.Sc. at Auxilium College, and acquired M.Sc. and M.Phil. in Chemistry from Muthurangam Government Arts & Science College, Vellore . She obtained her Ph.D. in the year 2014 from Manonmaniyam Sundharanar University, Tirunelveli. Her research interests include Biopolymers, Removal of heavy metals and water treatment. She published papers in international journals and conferences.

1. Name: Dr. Mubashirunnisa A.
2. Designation: Assistant Professor of Chemistry
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6. Teaching Experience: 8 Years
7. Area of specialization: Biopolymers
8. Research Experience and Guidance: Nil
9. Projects Completed / Ongoing: Nil
10. No. of Papers Published: 6
11. No. of Papers Presented in the National/ International/ Seminars/ Workshops/ Conferences: 2

12. No. of Seminars/Workshops/Conferences organized: 3

## PUBLICATIONS

### Publications in Journals:

1. A paper titled “Development of **Banana/Glass Short hybrid Fiber Reinforced Nano-chitosan polymer composites**” Published in Scholars Research Library, Der Pharmacia Letter, 2012,4 (4):1162 - 1168.
2. A paper titled “Development of **Nano-polymer composite Membranes of chitosan for reverse osmosis**” Published in ELIXIR Appl Chemistry.46 (2012) pg.8310 – 8315.
3. A paper titled “ **Batch kinetic studies of adsorption of Cu(II) ions from aqueous solutions onto alginate nanoparticles/PEG binary blend**” Presented in Indian Journal of Geo Marine Sciences Vol. 51 (05), May 2022, pp. 484-489
4. A paper titled “**Biological Applications of Biosilica/Silk Fibroin/Polyurethane (1:3:1) Composite**” Presented in Asian Journal of Chemistry; Vol. 34, No. 7 (2022), 1881-1885, Received: 31 January 2022; Accepted: 5 June 2022; Published online: 15 June 2022; AJC-20870
5. A Paper titled “**Removal of Copper(II) Ion using Nanochitosan/Carboxymethyl Cellulose/Grapheme Oxide Composite Biosorbent**” Asian Journal of Chemistry; Vol. 34, No. 6 (2022), 1465-1471, Received: 24 November 2021; Accepted: 26 February 2022; Published online: 18 May 2022; AJC-20807
6. A paper titled “**Preparation and characterization of banana /glass ternary short hybrid fiber reinforced nanochitosan polymer composite**” International journal of novel trends in pharmaceutical sciences .2018;8(2);52-58.

### Papers Presented:

1. A paper titled “Development of **Nano-polymer composite Membranes of chitosan for reverse osmosis**” in International Conference on Polymer Processing and characterization at Mahatma Gandhi University, Kerala (2010).
2. A paper titled “Development of **Banana/Glass Short hybrid Fiber Reinforced Nano-chitosan polymer composites**” is Presented in International Conference on Recent trends in advanced Materials(2012) at Vellore Institute of Technology, Vellore.

### **Posters presented in Seminar/Symposia/Conference:**

1. Development of nanopolymer composite membrane of chitosan for reverse osmosis at the **2<sup>nd</sup> international conference on polymer processing and characterization** organised by the **Center for Nanoscience and Nanotechnology, Kottayam, Kerela** on 15,16 & 17<sup>th</sup> January, 2010.
2. Development of Banana/glass short hybrid fiber reinforced nanochitosan polymer composite presented at the **2<sup>nd</sup> international conference on natural polymers** organised by the **Institute of Macromolecular Science and Engineering, Kottayam, Kerela** on 24, 25 & 26<sup>th</sup> September, 2010.
3. Development of **Banana/Glass Short hybrid Fiber Reinforced Nano-chitosan polymer composite** is presented in International Conference on Recent trends in advanced Materials (2012) at Vellore Institute of Technology, Vellore.

### **FDP's/ Seminars/ Workshops/Webinars:**

Participated in 73<sup>rd</sup> Orientation course held for a period of 28 days at UGC- Academic Staff College, Bharathiar University, Coimbatore.