



Sr. D.Switha M.Sc., B.Ed., M.Phil., Ph.D. currently serves as an Assistant Professor, Department of Chemistry, Auxilium College (Autonomous), Vellore. She submitted her Thesis on July 2023 to Thiruvalluvar University, Serkkadu, Vellore 15. The title of her thesis is “Fabrication, Physicochemical and Biological Investigation of Nanopolysaccharides Reinforced Polyaniline-Polyvinyl alcohol Bionanocomposites for Tissue Engineering Application.

1. Name: Sr. D.Switha

2. Designation: Assistant Professor

3. Qualification: M.Sc., B.Ed., M.Phil., Ph.D.

4. Mobile number: 9444956047

5. E-mail id: swithache@auxiliumcollege.edu.in;

swithafma@gmail.com

6. Teaching Experience : 14 Years (In the School)

4 months (In the College)

7. Area of specialization: Bio Polymers in tissue engineering

8. Positions Held in Auxilium :

- Tutor – II – M.Sc.
- In charge of PG Association Activity (From July 2023)
- Maintenance of UG Log book (From July 2023)
- In charge of IIT –Bombay Course
- AICUF Coordinator
- Hostel Dean

9. Research Experience and Guidance: Nil

10. Projects Completed / Ongoing: Nil

11. No. of Papers Published: 5

12. No.of Papers Presented in the National/International/Seminars/Workshops/Conferences: 3

13. No. of Seminars/Workshops/Conferences organized: Nil
14. No. of Books Published/Edited/Co-edited: Nil
15. Membership in professional bodies: NIL
16. Other bodies: Nil
17. Honours & awards received: AICUF Best Coordinator Award from Natural Science foundations
18. No. of Online Courses completed (Minimum of 12 Weeks): 3
19. Any Other:
-

PUBLICATIONS

1. **D. Switha**, S. K. Basha, V.S. Kumari, A novel, biocompatible nanostarch incorporated Polyaniline-Polyvinyl alcohol-Nanostarch hybrid scaffold for tissue engineering applications, *European Polymer Journal*. (178) (2022) 111448. **(I.F-6)**
2. **D. Switha**, S. K. Basha, V.S. Kumari, Fabrication of conductive hybrid scaffold based on polyaniline/polyvinyl alcohol–chitosan nanoparticles for skin tissue engineering application. *Polymer Bulletin*. (1) (2022) 1-29. **(I.F -3.2)**
3. **D. Switha**, S. K. Basha, V.S. Kumari, Biopolymeric nanocomposite scaffolds for nerve tissue engineering applications: A review. *Journal of Applied Chemical Science International*. (7) (2022) 25-50. **(I.F -0.8)**
4. **D. Switha**, S. K. Basha, V.S. Kumari, *In vitro* cytocompatibility evaluation of nanostarch reinforced polyaniline-polyvinyl alcohol conductive bionanocomposites for skin tissue engineering application. *Journal of Umm Al-Qura University for Applied Sciences*. (17) (2023) 1-8. **(I.F -0.5)**
5. **D. Switha**, S. K. Basha, V.S. Kumari, *In vitro* Study of Biocompatible Hybrid Scaffold of Polyvinyl Alcohol–Polyaniline–Nanocellulose for Tissue Engineering Applications. *Chemistry Africa*. (7) (2023) 1-4. **(I.F -2.6)**
-

CONFERENCES AND WORKSHOPS

1. State level seminar on Material Science organized by Auxilium College on 13th September 2019.
2. One day national seminar on Nanomaterials for future applications organized by VIT University on 25th September 2019.
3. 2nd National conference on Emerging trends in materials science organized by Govt. Arts and Science College, Thiruvannamalai on 26th and 27th September 2019.
4. National seminar on Advances in Materials Chemistry organized by Auxilium College on 6th December 2019.
5. International Conference on Advances in Chemistry with specific reference to Catalysis, Sensors, Drug Delivery and Energy Materials organized by Auxilium College on 9th and 10th January 2020.
6. Virtual National seminar on organized by Own your future through the journey of Entrepreneurship, National Institute for Micro, small and medium Enterprises, Hyderabad in collaboration with Auxilium Business Incubation Centre (ABIC) and The Intellectual Property right cell on 27th to 29th May 2020.
7. Webinar on Write and publish in high impact Journals organized by Academy of Management Professionals on 17th May 2020.
8. Webinar on Computers in chemistry organized by PG and Research Department of chemistry, Auxilium College on 10th June 2020.
9. Recalling the foundations and frontiers of thermodynamics organized by Arignar Anna Govt. Arts College, Cheyyar, Thiruvannamalai on 3rd and 4th June 2020.
10. International Virtual Conference on Energy and Environment (IVCEE-2021) organized by Thiruvalluvar University on 1st March 2021.
11. International webinar entitled Electrochemists: The Future coders of Energy Conversion science and Technology organized by K.M.G College of Arts and Science on 18th July 2021.
12. International Conference on advanced materials and mechanical characterization organized by SRM Institute of Science and Technology on 2nd to 4th December 2021.

13. International Conference Recent Advances in Biosciences and Technology RABT-21 organized by St. Mary's College, Thrissur, Kerala on 7th December 2021.

14. International Virtual Conference on Recent Innovations in Chemical Sciences (RICS 2022) organized by Department of chemistry, Periyar university, Salem on 24th and 25th March 2022.

15. National Seminar on Innovations in Chemistry for Environmental Sustainability organized by PG & Research Department of Chemistry, Auxilium College and Nature Science Foundation, Coimbatore on 3rd February 2023.

ONLINE COURSES COMPLETED

1. Fundamentals of Spectroscopy by NPTEL SWAYAM
 2. Biochemistry by NPTEL SWAYAM
 3. GChem Paint Training by IIT Bombay
-