

PROFILE

Dr. M. SURYAMATHI
D/o G Mathiyazhagan,
1D5, Ambedkar Nagar Main Road,
Newpet,
Krishnagiri-635001

Educational Qualifications :

Doctor of Philosophy in Chemistry : September 2021
Periyar University, Salem.

Master of Philosophy in Chemistry 87.8 % : July 2017
Periyar University, Salem.

Master of Science in Chemistry 90.10% : April 2016
Periyar University, Salem.

Bachelor of Science in Chemistry 88.68 % : April 2014
Periyar University, Salem.

Higher Secondary Course 72.67% : March 2011
Govt. Girls Higher Secondary School, Krishnagiri

High School 86.6 % : April 2009
Bharat Matric Higher Secondary School, Krishnagiri

Dissertation Topic

‘Surface modification of electrospun nanofibers for biomedical, environmental and energy applications’

Academic Experience

- Guest Lecturer in Chemistry, Govt. Arts College for Women, Krishnagiri – Jan 2023 to tilldate.

Extra Curricular Activities :

- Have participated and committed as trainer in TANSHE sponsored Soft Skill Training 2022-2023

Personality Traits

- Excellent communication and comprehension skills.
- Excellent leadership, positive attitude and goal oriented.
- Excellent advisory and problem solving skill

Publications

Journals Published :

1. Tridax procumbens extract loaded electrospun PCL nanofibers: A novel wound dressing material
M. Suryamathi, C. Ruba, P. Viswanathamurthi, V. Balasubramanian, P. Perumal, *Macmol. Res.*, 27 (2019) 55–60. <https://doi.org/10.1007/s13233-019-7022-7>.
2. Herbal plant leaf extracts immobilized PCL nanofibrous mats as skininspired anti-infection wound healing material
M. Suryamathi, P. Viswanathamurthi, P. Seedeve, *Regen. Eng. Transl. Med.*, (2021). <https://doi.org/10.1007/s40883-020-00193-9>.
3. Ecofriendly antimicrobial Acalypha indica leaf extract immobilized polycaprolactone nanofibrous mat for food package applications
M. Suryamathi, P. Viswanathamurthi, V. Amutha, *J. Food Process. Preserv.*, (2021) e15302. <https://doi.org/10.1111/jfpp.15302>.
4. Tyrosinase immobilized zein nanofibrous matrix as a green and recyclable material for biodegradation of azo dyes
M. Suryamathi, P. Viswanathamurthi, K. Vennila, T. Palvannan, R. Bertani, P. Sgarbossa, *Fibers polym.*, (Accepted for publication).
5. Electrospun polycaprolactone nanofiber template assisted Iron(III) oxide nanofiber for efficient photoelectrochemical water splittings

M. Suryamathi, K. Ramachandran, P. Viswanathamurthi, R. Ramesh *Journal of Materials Science: Materials in Electronics* (2022) 1-14.

6. Folic acid–egg white coated IPN network of carboxymethyl cellulose and egg white nanoparticles for treating breast cancer.

V. Raj, P. Priya, R. Renji, **M. Suryamathi**, S. Kalaivani, *Iran. Polym. J.*, 27 (2018) 721-731.

7. ZnO-embedded S-doped g-C3N4 heterojunction: mediator-free Z-scheme mechanism for enhanced charge separation and photocatalytic degradation,

P. Kalisamy, M. Lallimathi, **M. Suryamathi**, B. Palanivel, M. Venkatachalam, *RSC Adv.*, 10 (2020) 28365-28375.

8. Carbon Dot Loaded Integrative CoFe2O4/g-C3N4 P-N Heterojunction: Direct Solar Light-Driven Photocatalytic H2 Evolution and Organic Pollutant Degradation,

M Lallimathi, P Kalisamy, **M Suryamathi**, M. Venkatachalam, T. Alshahrani, M Shkir, *ChemistrySelect*, 5 (2020), 10607-10617

Conferences/Workshop/Seminars/Symposiums

Conference/Seminar/Symposia/Workshop/Webinar						
	Conference		Seminar	Symposia	Workshop	Webinar
	National	International				
Attended	-	-	-	-	-	-
Presented	-	-	-	-	-	-

Personal Profile:

Date of Birth : 03-01-1994
 Marital Status : Married
 Nationality : Indian
 Community : M BC
 Religion : HINDU
 Area of Interest : Listening music, Reading Books, Gardening
 Languages known : English, Tamil, Telugu

