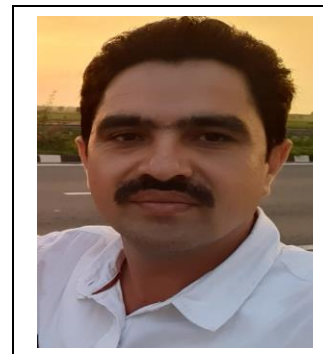


## Faculty Profile

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**Area of Interest/Specialization**: Conducting polymers and Composites  
**Experience** : 18 Years



### Key Publications

1. Fabrication and microwave shielding properties of free standing polyaniline-carbon fiber thin sheets, *Materials Chemistry and Physics*, 160, 2015, 87-95.
2. Poly (o-anisidine)-carbon fiber based composites as an introductory material for EMI shielding, *Advanced Materials Letters*, 6(9), 2015, 803-809.
3. Lightweight and solution processible thin sheets of poly (o-toluidine)-carbon fiber-novolac composite for EMI shielding”, *RSC Advances*, 68, 2015, 55059-55065

### Papers presented in Conferences (Few of the recent Conferences)

1. Carbon Fiber Reinforced Poly (o-methoxy aniline) Composites for Futuristic Applications, International e-Symposium on Smart Polymers: Applications in Current Scenario (SPACS-2021) organized by Amity Institute of Applied Sciences in Association with Asian Polymer Association (APA), Amity University Noida, U.P., Jan. 15-16, 2021
2. Recent developments in Surface Acoustic Wave (SAW) sensors and their applications in different areas” 7<sup>th</sup> National Conference on Advances in Metrology-2021 (AdMet-2021), organized by MSIT in Association with CSIR-NPL, MSI & NABL, at Maharaja Surajmal Institute of Technology (MSIT), Janakpuri, New Delhi, March 05-06, 2021
3. Effects of Backbone Functionalization on Electrical and Shielding Behaviour of Conducting Polyaniline Composites” Online National Conference on Recent Advances in Functional Materials (RAFM-2020), Department of Physics, ARSD College, DU, Delhi, Nov. 05-06, 2020
4. Physico-Chemical Analysis of Groundwater Quality of Bahadurgarh City, Haryana, India” TEQIP-III Sponsored 2<sup>nd</sup> International Conference on Sustainable Technologies for

Environmental Management (STEM-2019), Department of Environmental Engineering, DTU Delhi, March 25-26, 2019

5. Analysis of Toxic Elements in Underground Water of Bahadurgarh City, Haryana, India” 2<sup>nd</sup> International Conference on Innovations in Chemical, Biological & Environmental Sciences (ICICBES-2019), organized by Department of Chemistry, Arya P.G. College Panipat, Haryana in Association with ISCA, GCNC, Department of Chemistry DU & RSC, Feb. 27-28, 2019
6. Plastic Waste Management Using Sustainable Technologies” TEQIP-III Sponsored Two Days International Seminar on Sustainable Technologies for Environmental Management (STEM-2018), Department of Environmental Engineering, DTU Delhi, March 27-28, 2018
7. Fabrication of Conducting Copolymer Composite Sheets for EMI shielding” International Conference on Advances in Polymer Science & Technology (APA 2017), organized by Asian Polymer Association at Hotel Redison Blue, Dwarka, Delhi, India, Nov. 23-25, 2017

**Book Chapter/Books published**

1. Silicones as Alternate Materials to Plastic: A Brief Review, Chapter in edited book entitled “Fundamental of Plastic Waste Management”, DBH Publishers and Distributers, Page: 169-176, 2019

**Ph.D Supervised:** 01 (Pursuing)

**Memberships of Professional bodies:** Life Member of Asian Polymer Association