


FACULTY PROFILE PROFORMA

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|--|---|--|------------------|---------------------------------|--------------|---|
| Title (Ms/Mr/Dr/Prof) | Dr | First Name Name | Meenakshi | Last Name | Verma | Photograph |
| Designation | Assistant Professor | | | | |  |
| Department | Chemistry | | | | | |
| Address (Official) | Department of Chemistry, Kalindi College (University of Delhi), East Patel Nagar, New Delhi-110008 | | | | | |
| Phone No. | 9910796869/8178167749 | | | | | |
| Email | meenakshi.iitd@gmail.com | | | | | |
| Education | | | | | | |
| Subject | | Institution | | | Year | Details |
| Polymer Science & Technology | | IIT Delhi | | | 2017 | PhD |
| Polymer Science & Technology | | IIT Delhi | | | 2010 | M. Tech |
| Chemistry (Organic) | | CCS University Campus, Meerut | | | 2007 | M.Sc. |
| Chemistry | | CCS University, Meerut | | | 2005 | B.Sc. |
| Career Profile | | | | | | |
| Institution | | Designation | | Duration | | Role |
| CSIR-NPL New Delhi | | National Post-Doctoral Fellow (DST-SERB-NPDF) | | 04-08-2017 to 23-07-2019 | | Research and development |
| Kalindi College | | Assistant Professor | | 23-07-2019 to Till Date | | Academics |
| | | | | | | |
| | | | | | | |
| Research Interests / Specialization | | | | | | |
| Graphene, Carbon nanotubes, Polymer Nano-composites, EMI Shielding, Self-Healing Materials | | | | | | |
| Administrative Assignments / Contribution to corporate life | | | | | | |
| NA | | | | | | |
| Teaching Experiences (Subject/Courses taught) | | | | | | |
| B.Sc. (H) Semester V: Quantum Chemistry & Molecular Spectroscopy | | | | | | |
| B.Sc. (H) Semester VI: Organic Spectroscopy | | | | | | |
| B.Sc. (H) All Courses Semester 1 (GE-1): Atomic Structure Bonding General Organic Chemistry & Aliphatic Hydrocarbons | | | | | | |
| B.Sc. (P) Life Sciences Semester V: Chemistry of D-Block Elements, Quantum Chemistry and Spectroscopy | | | | | | |
| Research Guidance | | | | | | |
| NA | | | | | | |
| Publication (Peer Reviewed/Indexed Journals) | | | | | | |
| 1. Pawan Verma, Anuj Kumar, Sampat Singh Chauhan, Meenakshi Verma , Rajendra Singh Malik, Veena Choudhary, "Industrially viable technique for the preparation of HDPE/fly ash composites at high loading: Thermal, mechanical, and rheological interpretations", Journal of Applied Polymer Science, 2018 , 135 (11), 459951 | | | | | | |

2. Sampat Singh Chauhan, **Meenakshi Verma**, Pawan Verma, Vishwa Pratap Singh, Veena Choudhary, "Multiwalled carbon nanotubes reinforced poly (ether-ketone) nanocomposites: Assessment of rheological, mechanical, and electromagnetic shielding properties", *Polymers for Advanced Technologies*, **2018**, 29 (1), 347-354
3. **Meenakshi Verma**, Sampat Singh Chauhan, S. K. Dhawan and Veena Choudhary, "Graphene nanoplatelets/Carbon nanotubes/Polyurethane Composite as Efficient Shield against Electromagnetic Polluting Radiation", *Composites Part B: Engineering*, **2017**, 120, 118-127
4. Pawan Verma, **Meenakshi Verma**, Anju Gupta, Sampat Singh Chauhan, Veena Choudhary, "Multi walled carbon nanotubes induced viscoelastic response of polypropylene copolymer nanocomposites: Effect of filler loading on rheological percolation", *Polymer Testing*, **2016** 55, 1-9
5. Pradeep Sambyal, Avanish Pratap Singh, Meenakshi Verma, Ankit Gupta, Bhanu Pratap Singh and S. K. Dhawan "Designing of MWCNT/ferrofluid/flyash multiphase composite as safeguard for electromagnetic radiation", *Advanced Material Letters*, 2015, 6(7), 585-591
6. **Meenakshi Verma**, Pawan Verma, S.K. Dhawan and Veena Choudhary, "Tailored graphene based polyurethane composites for efficient electrostatic dissipation and electromagnetic interference shielding applications", *RSC Advances*, **2015**, 5, 97349-97358
7. **Meenakshi Verma**, Avanish Pratap Singh, Pradeep Sambyal, Bhanu Pratap Singh, S.K. Dhawan and Veena Choudhary, "Barium ferrite decorated reduced graphene oxide nanocomposite for effective electromagnetic interference shielding", *Physical Chemistry Chemical Physics*, **2015**, 17,1610-1618
8. Pradeep Sambyal, Avanish Pratap Singh, **Meenakshi Verma**, M. Farukh, Bhanu Pratap Singh and S. K. Dhawan "Tailored polyaniline/barium strontium titanate/expanded graphite multiphase composite for efficient radar absorption", *RSC Advances*, **2014**,4, 12614-12624

PATENT: Sundeep Kumar Dhawan; Amit Kumar; **Meenakshi Verma**; Rajendra Prasad Pant, "Electromagnetic foam having electrical and magnetic properties and process thereof", Application No. :1273/DEL/2015, Patent filed and published.

Seminar/Workshop/Conferences Presentation/Organisation

- Oral presentation on the topic "Self-Healing Composites for Aerospace Applications", Indo-Japan Workshop 2018 on Highly Conductive CFRP using Conductive Polymers and Nanomaterials for Structural Applications, 26-28th November 2018, at CSIR-National Physical Laboratory, New Delhi, India.
- Oral presentation on the topic "Graphene-multiwalled carbon nanotubes hybrid based thermoplastic polyurethane nanocomposites for electromagnetic interference shielding application", NCCM 2015, 25-28 Nov 2015, at IIC, New Delhi, India.

- Poster presentation on the topic “Electromagnetic interference shielding characteristics of thermoplastic polyurethane/graphene nanocomposites” in European Polymer Federation Meeting-2015 from 21st-26th June 2015, Dresden, Germany.
- Attended MACRO 2010 from 15-17 December 2010, organized by IIT Delhi at India Habitat Centre, Delhi.
- Poster presentation on the topic “Electromagnetic interference shielding effectiveness of barium ferrite decorated graphene hybrid” in FAPS-MACRO 2013 from 15-18May 2013, at IISC Bangalore, India
- Attended workshop on “Nano Probe Techniques” at IIT Delhi organized by Nanoscale Research Facility & Department of Physics, IIT Delhi in association with Materials and Research Society of India (MRSI)

Awards & Distinctions

- DST-SERB-National Post-doctoral Fellowship 2017
- SRF-MHRD (IIT Delhi) 2010
- CSIR-NET-JRF CSIR June 2008
- GATE (Chemical Sciences) 2008

Public Service/ University Service/ Consulting Activity

NA

Professional Societies Memberships

Life member of Indian Carbon Society

Projects (Major Grants / Collaborations)

NA

Other Details

NA