



## ASHOK KUMAR SHUKLA

PROFESSOR & HEAD (I/C)

DEPARTMENT OF CHEMISTRY

### PROFILE

- Professor of Chemistry since last 14 years.
- Rich experience in Industrial Research & Development (26 years) at Government public sector, Indo-Swiss Joint Venture and Private sector Companies.
- Academic Research experience of 16 years and teaching experience of 19 years.
- Higher Specialization in Chemistry & technology of High Polymers & Composites, Nano-science, Electrodeposition processes, Dielectrics and Reaction kinetics.
- Published over 75 research papers in National and International journals and Proceedings of the Conferences.
- Post-doctoral research fellowship at Leningrad Institute of Technology, Russia, by Ministry of Education, Govt. of India.

### CONTACT & LINKS

Email ID:

[Hod.chemistry.epcet@eastpoint.ac.in](mailto:Hod.chemistry.epcet@eastpoint.ac.in)

[ashok.shukla@eastpoint.ac.in](mailto:ashok.shukla@eastpoint.ac.in)

[Mobile No.: +91 98459 62915](tel:+919845962915)

### EDUCATIONAL QUALIFICATIONS

**Ph.D. (Chemistry)** : University of Roorkee (now IIT-Roorkee, UK), India, 1976.

**Post-doctoral Research (High Polymers)**: Leningrad Institute of Technology (LTI), Russia (now Saint Petersburg), 1977-1981.

**M.Sc. (Chemistry-Physical)**: (1<sup>st</sup> Division) Meerut University, UP, India, 1972.

### PROFESSIONAL EXPERIENCE

Teaching Experience: 19 years

Industrial R & D Experience: 26 years

Academic Research Experience: 16 years

Total: 48 years

### INSTITUTION/DEPARTMENT RESPONSIBILITIES

- Professor & Head (I/C) of Chemistry Department.
- Administering academic activities of UG 1<sup>st</sup> year Chemistry cycle students pertaining to Engineering Chemistry.
- Supporting Research Centre activities including paper publication by faculties and Ph.D. students.
- Team member of Institutional NBA Accreditation Team.
- Co-curricular activities like, organising Conferences and Seminars/webinars/Guest lectures.

### RESEARCH AREA/SPECIALISATION/ RESEARCH GRANTS/ PROJECTS IF ANY

**Research Areas:** High Polymers, Composites, Nanomaterials, Electrodeposition processes, Materials Science, Dielectrics, Electrical Insulating materials & systems, Reconstituted mica & composites, Reaction kinetics.

**Specialization:** Chemistry & technology of High Polymers, Nano-composites, Electrodeposition processes, Dielectric materials and Reaction kinetics.

**Research Grants:** (i) Grant-in-aid of Rs.12 lakh from DRDO-EMR, New Delhi for research project "EPD of Polymer Nano-composites". (ii) NGEF sponsored joint

research project “EPD of Mica for DC motors” with CPRI, Bangalore. (iii) Grant of USSR Govt. Scholarship (post-doc) for 4 years for research on “Epoxy-Novolac Block Copolymers”. (iv) Junior Research Fellowship granted by CSIR New Delhi for 3 years for research on “Kinetics of phenol oxidation”.

## ACHIEVEMENTS/ACCOMPLISHMENTS/AWARDS/RECOGNITION/GUEST LECTURES DELIVERED

- **Accomplished 20 Industrial R&D projects and 8 Academic Research projects.**
- **Published over 70 Papers** in National/International Journals/Conference Proceedings.
- **Filed one Patent** “ Process for water dispersible cationic epoxy polyelectrolyte & EPD of epoxy NC coatings” (under review)
- **Principal Investigator & Recipient** of Research Grant from DRDO, New Delhi for Research Project (2011-13).
- **Accomplished/guided Project work of 22 graduating Chemical Engg. students** (2009-2015).
- **Reviewer for American Journal of Applied Sciences** ISSN Print: 1546-9239/ Online: 1554-3641(2015-present).
- **Editorial Board Member** for MVJCE on-line Journal JEST-M (2011-present)
- **Question Paper Setter** for Ph.D. Courses & BE Engg. Chemistry, VTU (2008-present)
- **Delivered 18 Guest Lectures/webinars/Keynote addresses**
- **Best Paper Award (Silver)** at International Conference ICMTCI4.0, EPCET, Bangalore (Sept-2020)
- **Visiting Professor** to Dr. MGR College of Engg., Chennai (2003-04)
- **Management Representative** for ISO 9001-2000, Lakshmanan-Isola Pvt. Ltd., Bangalore. (2003-07)
- **Member of Modern Plastics International Advisory Panel** (1993-94)
- **Best Paper Award** at International Conf. INSULEC-93, New Delhi (1993).
- **Recipient of USSR Govt. Scholarship** through Govt of India, Min. of Education, Delhi (1977-81).
- **Recipient of Jr. Research Fellowship** (CSIR, New Delhi), University of Roorkee (1973-76).

### • PUBLICATIONS/PATENTS/BOOKS

- **Published over 70 Papers** in National/International Journals/Conference Proceedings.
- **Filed one Patent** “ Process for water dispersible cationic epoxy polyelectrolyte & EPD of epoxy NC coatings” (under review)

List available on request.

### • ASSOCIATION WITH PROFESSIONAL BODIES

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- Indian Society for Advancement of Materials & Process Engineering, (ISAMPE) (Life M.)
- Indian Science Congress Association (ISCA) (Life M.)
- Indian Society for Technical Education (ISTE) (Life M.)
- International Association of Advanced Materials (IAAM), Linkoping, Sweden. (2017-22)
- Bureau of Indian Standards (B.I.S.)- Liquid Dielectrics and Solid Insulating Matls Divn (1985-2007)
- Indian Electrical & Electronic Manufacturers Association (IEEMA) (1985-2007)

## PROFESSIONAL COURSES COMPLETED

- Higher specialization in Chemistry of High Polymers.
- ISO:9001-2000 and Quality Management System.