

Profile Of Dr. Suman Katiyar
Assistant Professor
Deptt. of Chemistry
D.B.S. (P.G) College, Govind Nagar, Kanpur

Name : Professor Suman Katiyar
Father's Name : Shri B.R. Katiyar
Date of Birth : 9th November, 1963
Qualification : Ph.D. - Applied Chemistry (Polymer Chemistry)
M.Sc.- Organic Chemistry
Teaching Experience : PG- From 2001 till date.
: UG - From 2001 till date.
: Worked as a Guest Lecturer from 1997 to 1999 in the Department of Chemistry H.B.T.U. Kanpur.

ORIENTATION/REFRESHER COURSE ATTENDED

Orientation

- Participated in UGC sponsored Orientation Programme at Academic Staff College Allahabad, University of Allahabad from 18th August to 13th September, 2003.

Refresher Courses

- Participated in a 2week Refresher Course at IIT, Kanpur on "**Frontiers in Inorganic Chemistry**" organized by Indian Academy of Sciences Bangalore in collaboration with Deptt. of Chemistry, IIT, Kanpur from 18th December to 31st December, 2003

- Participated in UGC sponsored 3 week Refresher course in Chemistry at CPDHE, Institution of Life Long Learning, University of Delhi from 18th December , 2007 to 9th January, 2008.

Project submitted for : **"Study of Aromaticity with the help of Molecular Modeling"**.
partial fulfillment of course

- Participated in First Refresher Course in Chemistry, at "**Jamia Millia Islamia University, New Delhi**" from 28th August, to 17th September 2009.

SHORT TERM COURSES/FACULTY DEVELOPMENT PROGRAMS ATTENDED

- Participated in a ten day workshop on **"Shahri Bhukampiya Bhedyata Nunikaran Programme"** at D.B.S. College, organized by Training Centre of "Apda Prabandhan Cell" of Kanpur (UP), from 28th January to 6th February 2008.
- Participated in one Week Faculty Development Programme on **"Curriculum Development and Evaluation Methods in Technical Education"**, at HBTU Kanpur, jointly organized by Department of Plastic Technology & Mechanical Engg. Deptt. from 1st to 6th July 2013.
- Participated in one Week Faculty Development Programme on **"Developments in Perfumery and Cosmetics"**, at HBTU Kanpur, organized by Oil & Paint Technology Deptt. Under TEQIP II, from 22nd to 28th February, 2014.
- Participated in a faculty development program on **"Online Tools:2020"**, organized online by Society for Research in Biological Science with Government PG College, Bazpur, Uttrakhand and S.S. College, Shahjahanpur, Uttar Pradesh from 27th to 31st July 2020.
- Participated in a faculty development program on **"Impactful Online Teaching and Students Engagement"**, organized online by USERC, CCE, UPES Dehradun and VIBHA from 4th to 9th August, 2020.
- Participated in a faculty development program on **"Moodle Learning Management System"**, organized online by Department of Computer Science and Engineering, Sridevi Women's Energy College and Spoken Tutorial IIT Bombay from 10th to 14th August 2020.

- Participated in a faculty development program on **“Enhancing the Quality of Teaching Through I.C.T. Tools”**, organized online by online learning platform Being Scholar from 22nd to 27th August 2020.

RESEARCH PROJECT

- Completed Minor Research Project entitled **"Flocculent System for Treatment of Industrial Effluent water by Polyelectrolyte"** Sanctioned by UGC New Delhi, Letter No.F.6-1(28)/20089MRP/NRCB), on 26th February 2008 for two years.

RESEARCH EXPERIENCE

- Field of Interest** : (a) Thermosetting resins for high temperature coatings.
 (b) Water base coatings for pollution free atmosphere.
 (c) Effluent treatment by low-cost natural products and water-soluble copolymers.

Ph.D.

- (a) **Title** : Study of Elastomer Modified Bismaleimide Resin”
 (b) **Affiliation** : C.S.J.M. University (HBTI, Kanpur)
 (c) **Year of Award** : 1994
 (d) **Place** : Department of Plastic Technology H.B.T.I. Kanpur

RESEARCH GUIDANCE

- Approved as Research Supervisor by CSJM University Research Committee on **7th march 2008**
- Enrolled one student on 26th June 2008, Reg. no.- 09090003
- Short synopsis submitted on 6th January 2009
- Research plan entitled **“Synthesis and Characterization of Aromatic and Aliphatic Reactive Diluents and their effects on**

Blending, Cure Kinetics & Physico-Chemical properties of High Molecular weight epoxy cured with polyamide", approved by R.D.C. on 20th March 2009.

- Detailed synopsis submitted and R.D.C. held on 7th august 2010 at CSJM University

RESEARCH PAPERS PUBLISHED

International Journals

- Paper entitled "**Study of Curing Behavior and Thermal Properties of Elastomer Modified Bismaleimide Resin**" published in "**International Journal of Thermal Analysis**" Vol. 49, pg. 177-182, ISSN No. - 1388-6150, 1997.
- Paper entitled "**Reactive Blends of Epoxy Resin (DGEBA) crosslinked by Anionically Polymerized Polycaprolactam: (Adhesive Property and Chemical Resistance)**" published in Journal of "**Polymer-Plastics Technology and Engineering (PPTE)**." Vol. 47, Issue 3 pg. 223-236, ISSN No. – 0360-2559, 27 Feb, 2008.

National Journals

- Paper entitled "**High Molecular Weight Organic Synthetic Polymeric Flocculants for Effluent Treatment**, published in "**Journal of Indian Council of Chemists**", Vol. 24, No.1 pg. 39-43, ISSN No. – 0971-25037, 2007.
- Paper entitled "**New Synthetic Approach for Pharmacologically Important Compounds- Di benzo - 5- Methyl - 1-8, Naphthyridines**", published in "**Journal of Indian Council of Chemists**", Vol. 24, No. 2, Pg. 57-59, ISSN No. – 0971-25037, 2007.
- Paper entitled "**Vermicomposting- Boon for Processing and Utilization of Human Excreta**, " published in "**J. of Current Sciences**", Vol. 15 No. 1 pg. 43-48, ISSN No. – 0972-6101, 2010.

- Paper entitled "**Role of Polymeric Flocculants in Particle Reduction and Colour Removal of Textile Industry Waste Water**" published in "**Journal of Indian Council of Chemists**", Vol. 28, No. 2, pg. 126-129, ISSN No. – 0971-25037, 2011.
- Paper entitled "**Ban free citrate Base plasticizer Composition of PVC; its properties and comparative study with Phthalate Base Composition**" published in "**Journal of Indian Council of Chemists**" Vol. 30, No 1&2, pg.-73-79, ISSN No. – 0971-25037, 2013.
- Paper entitled "**Synthesis and Study of Thermomechanical and Adhesive Properties of Elastomer Modifies Bismaleimide Resin**" published in "**Journal of The Kalash Science**" Vol. 3, No 3, pg.-65-74, ISSN No. – 2321-7634, 2015.
- Paper entitled "**Surfactants: Journey from Chemical Surfactants to Green Surfactants**" published in "**Journal of The Kalash Science**" Vol. 4, No 3, pg.-33-41, ISSN No. – 2321-7634, 2016.
- Paper entitled "**Synthesis and Characterization of Reactive Diluents: Effect of Blending with High Molecular Weight Epoxy Resin**" published in "**Journal of The Gunjan**" Vol. 3, No 11, pg.-213-220, ISSN No. – 2349-9273, 2017.
- Paper entitled "**Sustainable Development in Toughening Of Polymer Material**" published in "**Journal of The Gunjan**" Vol. 4, Issue 15, pg.-197-200, ISSN No. – 2349-9273, 2018.
- Paper entitled "**Study Of Grafting Of Methyl Methacrylate on to Polyethylene Terephthalate Fiber Using Benzoyl Peroxide as an Initiator**" published in "**Journal of Abhinav Gaveshna**" Vol. 5, Issue 18, pg.-164-169, ISSN No. – 2394-4366, 2019.
- Paper entitled "**Metal to Plastic Replacements: A Systems Approach**" published in "**Journal of The Gunjan**" Vol. 6, Issue 23, pg.-175-182, ISSN No. – 2349-9273, 2020.

ARTICLE/CHAPTER IN BOOKS/PROCEEDINGS

- Paper entitled "**Thermo Mechanical Properties of Elastomer Modified Bismaleimide Resin**" published in "**Thermans 95**", Proceedings of the 10th National Symposium on Thermal Analysis, pg. 245-247, 1995.
- Paper entitled "**Superabsorbent Polymers- A Boon**", published in magazine "**Every Man's Science**" Vol. XLIV No. 4, Oct.-Nov. pg. 227-29, 2009.

RESEARCH PAPER PRESENTED**International Seminars**

- Paper entitled "**Study of Curing Behavior and Thermal Properties of Elastomer Modified Bismaleimide Resin**" presented by Co-author in "**11th I.C.T.A.C.an International Conference at Philadelphia PA**" on **12th-16th August, 1996**.
- Paper entitled "**Effect of Elastomer on Curing, Thermal and Adhesive Properties of C.T.B.N. Modified Bismaleimide Resin**" presented by Co-author in "**The International Seminar, MACRO-2002**", based on "**Frontiers of Polymer Science and Engineering**", I.I.T. Kharagpur on **9th-11th Dec. 2002**.
- Presented a paper entitled "**study of Physico-Chemical and thermal properties of blends of reactive diluents and Epoxy resin cured with polyamide**" in an "**International Conference on futuristic material and emerging trends in Chemical Sciences**" (**ICOFMAETICS-2016**) Organized by Deptt. of Chemistry, D.B.S.(PG) College on **8th -10th Feb. 2016**.

National Seminars

- Paper entitled "**Study of Thermo-Mechanical, Properties of Elastomer Modified Bismaleimide Resin**" presented in "**10th National Symposium and Workshop on Thermal Analysis**" held at D.M.S.R.D.E., Kanpur on **22nd and 23rd Dec 1995**.
- Paper entitled "**Synthesis of Elastomer Modified Bismaleimide Resin**" presented in National Seminar "**On Recent Trend in Chemical Synthesis and its Application to Research and Industry**" at D.B.S. College, Kanpur on **20th Oct. 2002**.
- Paper entitled "**Advances in Bio-Plastic Materials**", presented in the National Seminar on "**New Horizons in Bio-Sciences**" organized by Deptt. of Botany at D.G. College, Kanpur on **29th-30th Nov. 2005**.
- Paper entitled "**Recycling and Management of Plastic Wastes: A Trunkey solution for a healthier Environment**" presented by Co-author in the National Seminar on "**New Horizons in Bio-Sciences**" at D.G. College, Kanpur on **29th-30th Nov. 2005**.
- Paper entitled "**study of curing characteristics and thermal behavior of Elastomer modified Bismaleimide resin**" presented in a National seminar on "**Recent development in chemistry of medicinal plants**", Organized by department of chemistry D.B.S. (P.G.) College on **17th -18th Dec. 2005**.
- Paper entitled "**Application of Industrial Biotechnology to Prevent Pollution**", presented in the National Conference based on "**Jal Sanrakshan Awam Paryavaran: Vaigyanik Tatha Takneeki Drishtikod**" organized by Vigyan Bharti, Kanpur at Subhash Institute of Software Tech. on **9th - 10th Sept. 2006**.
- Paper entitled "**Low Cost Color Removal by Vermicompost for Reactive Textile Dyes and Spent textile Dyes Waste Water**" presented in a National Conference on **Innovations in Indian Science, Engg. And Tech.(NCISET)**,organized by Swadeshi Science

Movement and NPL Pune at I.A.R.I., New Delhi on **24th - 26th Nov, 2006.**

- Paper entitled "**New Synthetic Approach for Pharmacologically Important Compounds Dibanzo-5-Methyl-1, 8-Naphthyridines**" presented by co-author in the **Silver Jubilee Conference of Indian Council of Chemists** at Birla College of Arts & Science Kalyan at Mumbai on **27th to 29th Dec, 2006.**
- Paper entitled "**High Molecular Weight Organic Synthetic Polymeric Flocculants for Effluent Treatment**" presented in the **Silver Jubilee Conference of Indian Council of Chemists** at Birla College of Arts & Science Kalyan at Mumbai on **27th to 29th Dec, 2006.**
- Paper entitled "**Ecological Sanitation of Human Excreta (Faeces) Processing and Utilization**" presented by co-author in **94th Indian Science Congress**", in section of **Environmental Sciences**, at Annamalainagar, Chidambaram on **3rd to 7th Jan, 2007.**
- Paper entitled "**Anionic Polyacrylamide Environmentally Safe Polymeric Flocculants for Waste Water Treatment**" presented in the National Seminar based on "**Impact of Technologies on Environmental Pollution**", organized by Deptt. Of Chemistry Govt. Narmade P.G. College, Hoshangabad (M.P.) on **22nd and 23rd Feb, 2007.**
- Paper entitled "**Synthesis of Polyelectrolyte for Industrial Waste Water Treatment**" presented in the National Seminar on "**Emerging Trends in Chemical Sciences**", organized by Department of Chemistry, D.B.S. College, Kanpur on **5th -6th Dec, 2007.**
- Paper entitled "**Solid Waste Management of Plastic: Study of Incinerated Products of Plastic and their Impact on Environment**" presented in the National Seminar on "**Combating Pollution to Create a Healthier Planet**" jointly organized by The Indian Science Congress Association (Kanpur Chapter), Indian Society of Life

Sciences and Deptt. of Zoology, D.G. College, Kanpur. On **10th -12th Dec, 2007.**

- Paper entitled **“Remote sensing and Ecosystem management”** , presented in a National seminar on **“ Information and Communication Technology in higher education”**, jointly Organized by CSJM University and Self Finance departments of D.B.S. College on **9th Feb. 2008.**
- Paper entitled **“Imprinted Polymers In Waste Water Treatment”**, Presented in the national seminar on **“ Contribution Of Chemistry To The Society”** organized by Deptt. Of Chemistry D.B.S College on **4th Dec, 2009.**
- Paper entitled **"Synthesis of an Enviro-friendly polymer involving Basic Principles of Green Chemistry"**, presented in the 2nd National Conference on **"Innovations in Indian Science, Engg. & Tech.** held at N.P.L, New Delhi on **17th -19th July, 2009.**
- Paper entitled **"U.V. Curable Coatings Based on Non Volatile Reactive Diluents"** presented in the seminar on **"Spectroscopy : its relevance to various fields of Science"** sponsored by U.G.C. organized by Chemistry Deptt. of D.G. (P.G.) College on **19th - 20th Nov, 2009.**
- Paper entitled **“Green electronic components”**, is presented in a National seminar on **“New Trends In Green Chemistry” (N.S.G.C-2010)**, Organized by Deptt of chemistry ,D.A.V College and C.S.J.M. University, Kanpur on **14th -15th Dec. 2010.**
- Paper entitled **"Synthesis of Reactive Diluents for coating Application"** presented in the National Seminar on **"Multifaceted Scope of Chemistry & Human Welfare"**, sponsored by U.G.C. New Delhi, organized by Chemistry Deptt., D.B.S. (P.G.) College, Kanpur on **22nd - 23rd Jan. 2011.**

- Paper entitled "**Edible Coatings for future packaging**" presented in the National Seminar organized by "**Shakti Kanpur Zone**" Uttar Pradesh at Jai Narayan Vidya Mandir Inter College, Kanpur on **8th - 9th Oct. 2011**.
- Presented a paper entitled "**plastics and environment- An Overview of recycling of plastics**" in a National Conference on "**Changing Environment: issues 7 Challenges**", in contribution of world Ozone Day Organized by faculty of Science Dr. B.R.A. Govt. Girls P.G. College Fatehpur (U.P.) on **19th Sept. 2015**.
- Paper entitled "**Study of Drug Mechanism via Systems Biology Methods**" presented in a seminar on "**Recent Advances and Emerging Challenges in Biological Techniques**" organized by Deptt. Of Botany, DG(PG) College, sponsored by DBT on **20th-21st Sep 2016**.
- Paper entitled "**Study on Adoption of Best Practices for Safety of Aquatic Life from Textile Industry Effluent**" presented in a seminar on "**Science and Technology for National Development**" organized by Indian Science Congress Association Kanpur Chapter, Deptt. Of Zoology, DBS(PG) College, Kanpur on **29th-30th Sep 2016**.
- Paper entitled "**Emerging Pollutant Significant Cause Of Ganges Water Pollution**" presented in a seminar on "**Ganga Pollution Analysis And Remedies**" organized by Deptt. Of Chemistry, DAV(PG) College Kanpur, sponsored by UGC on **7th-8th Oct 2016**.
- Paper entitled "**Synthesis of Epoxy/Hyperbranched Blends Modified with Reactive Aliphatic Diluents**" presented in a seminar on "**Arts Science and Teacher Education**" organized by SJ Mahavidyalaya Ramaipur, Kanpur on **13th Oct 2016**.
- Paper entitled "**Processing and Manufacture Of Agro Waste Plastic Composites Problems And Challenges**" presented in the national seminar on "**Science And Technology Rural Development**" organized by CSJM University, DAV and DG College, Kanpur with

Polymer society Of India (Kanpur-Lucknow Chapter) on **3rd and 4th Nov 2019.**

PARTICIPATION IN CONFERENCE/SEMINARS

International

- Attended an International Seminar on "**Bio-Technology for Today's World**" organized by Deptt. of Zoology, D.B.S. College, Kanpur on **2nd - 3rd Dec, 2008.**
- Attended an International Conference on "**Socio-Economic Challenges of Agriculture, Biodiversity and Environment**" organized by Global Environment and Social Association, HBTU, DG(PG) College, India Thinkers Society, Asian Biological Research Foundation and Deptt. Of Biotechnology Govt. Of India on **22nd - 23rd Dec, 2019.**

National

- Attended "**6th National Symposium**" in Chemistry at I.I.T., Kanpur on **6th -8th Feb, 2004.**
- Attended an awareness programme on "**Importance of Laboratory Accreditation**" organized by NABL, New Delhi and FFDC Kannauj at Landmark, Kanpur on **28th Feb, 2004.**
- Attended National Seminar on "**Anthropogenic Stresses on Environment and Sustainable Development**" at A.N.D. College, Kanpur on **17th - 18th Dec, 2004.**
- Attended Seminar cum Expo-2005 on "**Role of Technical Education for Upliftment of Society**" organized by Harcourtians Association held at H.B.T.I, Kanpur **25th-27th Nov, 2005.**
- Attended a workshop entitled "**Jal Sanrakshan Avam Paryavaran Vishay Ki Shabdawali**" sponsored by "Manav

Sansadhan Mantralaya, Indian Government, New Delhi" held at SISI, Kanpur on **9th - 10th Sept, 2006.**

- Attended the seminar on "**Molecules and Methodologies for Improving Quality of Life**", jointly organized by Indian Chemical Society, Kolkata and Deptt. of Chemistry, D.G. College, Kanpur on National Science Day, **28th Feb, 2008.**
- Attended a Seminar on "**Tackling Quality Management for employment oriented Higher Education**" jointly organized by D.B.S. (P.G.) College on **15th Nov, 2008**
- Attended National Seminar on "**Scientific and Legal Challenges of Global Warning**", organized by Brahmanand (P.G.) College, Kanpur on 25th - 26th February, 2008.
- Attended a workshop on "**Technical Education Quality Improvement Programme**" organized by U.P. Tech. Instt., Kanpur on **24th - 26th Nov, 2008.**
- Attended a Seminar on "**Ubiquitous Effect of Polymers**" sponsored by U.G.C. organized by Deptt. of Chemistry, D.G. (P.G.) College, Kanpur on **9th Jan, 2009.**
- Attended a National Seminar on "**Green Chemistry-Present Scenario in India: Education and Application**" organized by Deptt. of Chemistry A.N.D.N.N.M. College, Kanpur on **11th Dec, 2009.**
- Participated in the **98th Indian science congress** held at SRM University, Chennai on **3rd -7th Jan. 2011.**
- Attended an UGC sponsored National seminar on "**Water pollution and health hazards**" Organized by department of zoology, B.N.D. College Kanpur on **1st Feb. 2011.**
- Attended an Awareness Programme on "**Rasayan Vigyan Hamara Jeevan Hamara Bhavishya, Shabdawali**" organized by Vargyanik and Tankniki Shabdawali Ayog, H.R.D. Ministry of

Higher Education at Jai Narayana Vidya Mandir Inter College, Kanpur on **8th - 9th Oct. 2011.**

- Attended the Science Academics Lecturer Workshop for "**Advances in Bio-inorganic and Nano Chemistry**" organized by D.A.V. (P.G.) College, Kanpur on **12th - 13th November, 2011.**
- Participated in the **99th Indian science Congress** held at KIIT University, Bhubaneswar, from **3rd -7th Jan. 2012.**
- Attended a National Seminar on "**Ancient Science and Technology**" held at IIT Kanpur on **9th March, 2013.**
- Attended a seminar on "**Innovations in Science and Technology for Inclusive Development**" organized by I.S.C.A. Kanpur chapter in Collaboration with Deptt. of Zoology, D.G., & D.A.-V. College, Kanpur at Virendra Swarup Education Centre, Unnao on **23rd- 24th November, 2013.**
- Attended a National Seminar on "**Science and Technology for Human Development**" Organized by I.S.C.A. Kanpur chapter in Deptt. of Zoology D.G. & D.A-V. College, Kanpur from **8th - 10th Dec, 2014.**
- Attended 2nd National workshop on "**innovative lab practices through green Chemistry**" Organized by green Chemistry Network Centre Kanpur and Deptt. of Chemistry A.N.D.N.N.M. in association with Royal society of Chemistry on **9th Sept 2015.**
- Attended a national seminar on "**Ancient Indian Science and Technology**" Organized by Vijnana Bharti at IIT Kanpur on **14th Oct 2015.**
- Attended a National Seminar on "**Biodiversity conservation and Sustainable development**" Organized by Deptt. of Botany B.N.D. College Kanpur on **20th Jan 2016.**
- Attended a National Seminar on "**Ancient Science And Technology**" organized by I.I.T. Kanpur on **1st Oct 2016.**

- Attended a National Symposium on **“Analytical Solution For Today’s Science”** organized by Agilant Technologies India Pvt. Ltd. on **23rd March 2017**.
- Attended a National Seminar on **“Future India Science And Technology”** organized by Deptt. Of Zoology DG(PG) College, DAV College and CSJM University on **23rd – 25th Nov 2018**.
- Attended a National Seminar on **“Food Chemistry, Processed Food And Technology”** organized by Department Of Chemistry, DAV College, Kanpur on **25th – 26th Sep 2019**.
- Attended a National Seminar on **“Recent Advances in Chemical Sciences with Reference to Energy Security and Environmental Safety”** organized by Directorate of UP Higher Education, Janta Mahavidyalaya Ajeetma, Auraiya on **14th – 15th Dec 2019**.
- Attended a National Seminar on **“Recent Advanced Techniques in Analytical Chemistry”** organized by Deptt. Of Higher Education, Govt. Of U.P. at Deptt. Of Chemistry, DG(P.G.) College, Kanpur on **16th – 17th Jan 2020**.
- Attended a National Conference on **“Green Technology: A Roadmap for Sustainable Development”** organized by Deptt. Of Higher Education on **23rd – 24th Feb 2020**.
- Attended a National Conference on **“Green Technology: A Roadmap for Sustainable Development”** organized by Deptt. Of Higher Education on **23rd – 24th Feb 2020**.

ONLINE PARTICIPATION IN CONFERENCE/SYMPOSIA/WEBINAR

International

- Attended a conference on **“Role of Medicinal Chemistry in the Current Scenario”** organized by Christ Church College, Kanpur and SR Group Of Institution, Lucknow on **3rd -5th Jul 2020**.

- Attended a symposia on **“Nanotechnology for Energy and the Environment”** organized by Deptt. Of Chemistry, DP Vipra College, Bilaspur and IQAC on **9th Jul 2020**.
- Attended a webinar on **“Advanced Materials for Sustainable Development”** organized by Deptt. Of Chemistry, Chowksey Group of College, Bilaspur on **12th Jul 2020**.
- Attended a webinar on **“Advances in Chemical Science and Engineering”** organized by Deptt. Of Chemistry, Govt. Bilasa Girls P.G. Autonomous College, Chhattisgarh on **18th Jul 2020**.
- Attended a conference on **“Recent Trends on Advanced Materials and Environment”** organized by Deptt. Of Chemistry DLS PG College, Bilaspur Chhattisgarh, IQAC and Research and Development Cell on **5th Aug 2020**.
- Attended a conference on **“Multifunctional Advanced Materials”** organized by Mahatma Gandhi Arts, Science and Late NP Commerce College, Armori, Maharashtra on **7th Aug 2020**.
- Attended a conference on **“Recent Trends In Life Science Research: Challenges and Promises”** organized by Deptt. Of Botany, SS College, Shahjahanpur, Govt. PG College Bazpur and Society for Research in Biological Science on **8th Aug 2020**.
- Attended a webinar on **“National Education Policy-2020 with Reference to Atmnirbhar Bharat”** organized by RSD Agra, Govt. Girls College Morena (MP) and Green Education Agra on **10th Aug 2020**.
- Attended a webinar on **“Research Problem”** organized by ACT Mumbai, Institutional Research Centre, Deptt. Of Chemistry Kalasalingam Academy of Research and Education, Krishnan and Kamla Nehru Mahavidyalaya Nagpur on **5th Oct 2020**.

National

- Attended a webinar on **“Biodiversity Conservation: Our Solutions are in Nature”** organized by DG (PG) College Kanpur and CSJM University on **22nd May 2020**.
- Attended a webinar on **“Use of Spectroscopic Techniques For Structure Elucidation”** organized by AISSMS College Of Pharmacy Pune on **22nd – 23rd Jul 2020**.
- Attended a webinar on **“Role of Innovation Centre In Schools And Colleges to Strengthen the Vision of Atmnirbhar Bharat”** organized by Vigyan Bharti Bramhavart with Stem Robo and Thinker India on **9th Aug 2020**.
- Attended a webinar on **“Wastewater and Sludge: A Green Asset to Recover Energy and Nutrients”** organized by Deptt. Of Civil Engineering and Dr. NGP Institute of Technology Coimbatore on **10th Aug 2020**.
- Attended a webinar on **“Climate Change and Its Effect on Environment”** organized by School of Engineering and Technology GH Rasoni University, Saikheda M.P. on **10th Aug 2020**.
- Attended a webinar on **“In Part of Changing Environment on Human Life”** organized by Deptt. Of Chemistry, DKSJ Govt. College, Shejapur M.P. and Deptt. Of Higher Education M.P. on **16th Aug 2020**.
- Attended a webinar on **“NDLI User Awareness”** organized by National Digital Library Of India with Lakshmibai Sitaram Habe College Of Arts, Commerce and Science on **17th Aug 2020**.
- Attended a webinar on **“Ayush and Medicinal Plants for Future Health Challenges”** organized by PG and Research Deptt. Of Biochemistry, Marudhar Kesari Jain College for Women on **18th Aug 2020**.

- Attended a webinar on **“Landslide Risk Reduction and Resilience”** organized by National Institute of Disaster Management (Ministry Of Home Affairs, Govt. Of India) with Geological Survey of India on **18th Aug 2020**.
- Attended a webinar on **“Effect Of Carcinogenic Polycyclic Hydrocarbons on Environment”** organized by Christ Church College, Kanpur and Indian Thinkers Society on **19th Aug 2020**.
- Attended a webinar on **“Disposal of Biomedical Waste”** organized by Deptt. Of Chemistry, Christ Church College Kanpur on **26th Aug 2020**.
- Attended a webinar on **“Energy and Environmental Problems Facing The Third World And Their Probable Solutions For Sustainable Development”** organized by Deptt. Of Electrical Engineering, Synergy Institute Of Engineering and Technology, Dhenkanal on **14th Sep 2020**.
- Attended a webinar on **“Ozone for Life”** organized by Deptt. Of Chemistry, AND College Kanpur on **27th Sep 2020**.
- Attended a webinar on **“Instrumental Methods Of Analysis”** organized by ACT Research Convention 2020 on **18th Oct 2020**.

SEMINAR/CONFERENCE/WORKSHOP ORGANIZED

International

- International Conference sponsored by DRDO and DST on **“Futuristic material and emerging trends in chemical sciences” (ICOFMAETICS-2016)** at CSJM University, Kanpur (UP) on **8th -10th Feb. 2016**

National

- National Seminar on "**Recent Trend in Chemical Synthesis and Its Application to Research and Industry**" at D.B.S. (P.G.) College, Kanpur on **20th Oct., 2002.**
- National Seminar on "**Recent Development in Chemistry of Medicinal Plants**" at D.B.S. (P.G.) College, Kanpur on **17th-18th Dec., 2005.**
- National Seminar on "**Emerging Trends in Chemical Sciences**" at D.B.S. (P.G.) College, Kanpur on **5th -6th Dec., 2007**
- National Seminar on "**Contribution of Chemistry to the Society**" at D.B.S. (P.G.) College, Kanpur on **4th Dec., 2009.**
- National Seminar on "**Multifaceted Scope of Chemistry & Human Welfare**", sponsored by U.G.C. New Delhi, at D.B.S. (P.G.) College, Kanpur on **22nd - 23rd Jan. 2011.**
- A workshop on "**Gene Cloning and its Expression to Produce Genetically Modified Organisms**", organized by Deptt. Of Zoology and Chemistry, DBS(PG) College, Kanpur on **8th – 10th Oct 2018.**
- A workshop on "**Eligible Oils and Human Health**", organized by Deptt. Of Zoology, Botany and Chemistry, DBS(PG) College, Kanpur on **8th Nov 2019** under the aegis of Prof. and Head R.K. Trivedi, Deptt. Of Oil Technology, School of Chemical Technology, HBTU Kanpur.

MEMBERSHIP OF PROFESSIONAL BODIES

- Life Member of **Swadeshi Science Movement of India**, New Delhi, November, 2006. (SSM'D-480).
- Life Member of **Indian Council of Chemists**, Agra, October, 2006. LF/1063.

- Life Member of **Indian Science Congress**, Kolkata, April, 2006, L-11688.
- Life Member of **Chemical Research Society of India** Bangalore January 2004 No. 588.
- Life Member of **Indian Thinkers Society of India** Reg. No. – 1272, ID – BVS/456.
- Life Member of **Vigyan Bharti**, New Delhi, ID No. – UP/KNP/105, 2010.

REFERENCES:

1. **Prof. A.K. Nagpal**
Professor and Head,
Deptt. Of Plastic Technology
HBTI, Kanpur
2. **Prof. Reena Singhal**
Deptt. of Plastic Technology
HBTI, Kanpur
3. **Prof. Indira Nigam**
Deptt. of Plastic Technology
HBTI, Kanpur
4. **Dr. R.K. Singh**
Ex. Joint Director
DMSRDE, Kanpur
5. Dr. Alok Laheri
Deputy Director
Central Instrumentation Lab
NBRI, Lucknow