

Dr. NEELAM PAL

Assistant Professor, (Department of Chemistry)
Vikramajit Singh Sanatan Dharma College

College in Kanpur, Uttar Pradesh

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Accomplished Assistant professor with over 21 years of experience in higher education, specializing in Chemistry. Proven track record of fostering academic excellence through innovative teaching methods, collaborative research and student mentorship. Demonstrated success in research, publishing in peer-reviewed national and international journals and presenting at diverse conferences/seminars. Passionate about contributing to the academic community and enhancing student learning outcomes.

SYNOPSIS

- A competent educator with 22 years of experience in to teaching & research.
- Presently – Working as an Assistant Professor, VSSD College, Kanpur (March 2019- till present)
- Previously – Worked as an Assistant Professor on nischt mandey/fixed honorarium at VSSD College, Kanpur (Aug 2003 – March 2019)
- Core Competencies – Specialized in Inorganic chemistry and polymer.

VSSD College, Kanpur (CSJM University)
Assistant Professor (Department of Chemistry)

Aug'2003 – till present

Presently working with VSSD College, Kanpur as an Assistant Professor (Department of Chemistry) responsible and accountable for both UG and PG Classes.

Responsibilities:

- Academic results of UG and PG assigned students.
- Project supervisor for the M.Sc. Students.
- Research guide for Ph.D. scholar.
- Convener for the College Science Club.
- Member of Admission Committee for B.Sc. students Admission.
- Member of NAAC Committee of the College.
- Member of the College Assistant Superintendent Team of the university examination
- Member of the Chemistry departmental Clubs Committees.
- Convener for the College 1090 Power Angle.

ACADEMIC QUALIFICATION

- Doctorate (Ph.D.) in Applied Chemistry (Polymer Science) – HBTI, Kanpur (1999-2002).
- M.Sc. Chemistry - Inorganic from CSJM Kanpur University (1999) with Ist division.
- B.Sc. - Zoology, Chemistry & Botany CSJM Kanpur University (1997) with Ist division.

RESEARCH EXPERIENCE

- Curing and thermal properties of blends of Vinyl ester resins (Thesis title)
- 22 years of research experience in the field of Polymer science, food adulteration, natural product.

PROFESSIONAL AFFILIATIONS & MEMBERSHIP/AWARD

- **Member in Green Chemistry Seminar Committee**, VSSD College, Kanpur for “Introduction on Green Chemistry Education Theory & Practices” University Grants Commission, New Delhi. October 22-23, 2010.
- Elected as a **SECTIONAL MEMBER** of material science section of INDIAN SCIENCE CONGRESS (I.S.C.A)2015.
- **JUDGE** for the science posters/models in 27th District Level National Children’s Science Congress, NCSC-2019, Organized by National Council for Science & Technology Communication (NCSTC), Department of Science & Technology (DST), Govt of India.
- **Life time member** in Indian Science Congress (**ISCA**)
- **Life time member** in Indian Thinkers Society
- **Nation Builder Award 2022** by **ROTARY INDIA LITERACY MISSION (Rotary District Kanpur)**

PUBLICATIONS: PUBLISHED RESEARCH PAPERS

1. Synthesis of vinyl ester resins in the presence of monoepoxies: A kinetic study. Polymer-Plastics Technology and Engineering, Volume 42, Issue 1, Pages 105-122, 2003.
2. Kinetics and mechanism of esterification of epoxy resin in the presence of triphenylphosphine. International Journal of Chemical Kinetics, Volume 36, Issue 5, Pages 280-285, 2004.
3. Kinetics and mechanism of esterification of epoxy resin with methacrylic acid in the presence of tertiary amine. Advances in Polymer Technology, Volume 24, Issue 1, Pages 1-13, 2005.
4. Kinetics and mechanism of esterification of monoepoxies. Materials and Manufacturing Processes, Volume 20, Issue 2, Pages 317-327, 2005.
5. Studies on the effect of epoxide equivalent weight of epoxy resins on thermal, mechanical, and chemical characteristics of vinyl ester resins. Journal of Applied Polymer Science, Volume 117, Issue 4, Pages 2406-2412, 2010.
6. Synthesis and spectroscopic characterization of eco-friendly barium sulphate extender pigment. Journal of Forensic Chemistry and Toxicology, Volume 9, Number 2, Pages 79-89, 2016.
7. Role of Antifouling Paints in Marine Coating. Journal of Forensic Chemistry and Toxicology, Volume 2, Issue 2, Pages 79-89, 2016.

- 8.** Micronutrient Deficiency: Impact & Policy International Journal of Research, 2229-7995,2017.
- 9.** Present and Future of Nanotechnology in Smart Textile Industry, International Journal of Research Thought, 2229-7995, 2018.
- 10.** Study On Metal Chelate of 2-hydroxy Benzaldehyde, International Journal of Research Thought, 2229-7995, 2018.
- 11.** Proximate Composition and Rampantly Adulteration in Local Milk Samples Collected from Various Parts of Kanpur Nagar, International Journal of Forensic Science, 2019, Volume 2 Number 2, PP- 41-46
- 12.** Effect of nano iron upon ethanol yield and yeast activity in evaporator condensate treatment. Jigyasa, 2020.
- 13.** Synthesis and characterization of eco-friendly barium sulphate extender pigment. IOSR Journal of Electronics and Communication Engineering (IOSR-JECE), Volume 15, Issue 5, Pages 7-13, 2020.
- 14.** A kinetic approach on thermal properties of vinyl ester resin synthesized by different molecular weights of epoxy resin with phenyl glycidyl ether. International Journal of Research in Engineering Science and Management, Volume 4, Issue 2, Pages 9-12, 2021.
- 15.** Curing and decomposition behavior of vinyl ester resins in the presence of methyl methacrylate. International Journal of Science Academic Research, Volume 3, Issue 6, Pages 3949-3954, June 2022.
- 16.** FTIR Characterization and Physico-chemical Studies of Honey Samples in Kanpur Nagar. Journal of Forensic Chemistry and Toxicology, Volume 8, Issue 2, Pages 63-69, July-December 2022.
- 17.** Elimination of Chromium (VI) from Industrial Effluent through the Utilization of Water Hyacinth Weed. Journal of Forensic Chemistry and Toxicology, Volume 9, Number 2, Pages 79-89, July-December 2023.
- 18.** Adulteration in Mustard Oil and its Health Effects: An Overview. Idealistic Journal of Advanced Research in Progressive Spectrums (IJARPS), Volume 03, Issue 08, August 2024.
- 19.** Health effects of orange juice: An overview. Idealistic Journal of Advanced Research in Progressive Spectrums (IJARPS), Volume 3, Issue 9, September 2024.
- 20.** Identification of adulterants in coriander powder using FTIR spectroscopy and chemical methods. Journal of Pharmacognosy and Phytochemistry, Volume 13, Issue 3, Pages 16-22, 2024.

21. Adulteration in Mustard Oil and its Health Effects: An Overview. Idealistic Journal of Advanced Research in Progressive Spectrums (IJARPS), Volume 03, Issue 08, August 2024.

22. Qualitative Analysis of Coconut Water: A Review, Idealistic journal of advanced research in progressive spectrums (IJARPS), Volume 03, Issue 07, July 2024.

23. Phytochemical & medicinal properties of Tulsi plant (Ocimum sanctum). The International Journal of Advanced Research in Multidisciplinary Sciences (IJARMS), 7(2), 32, 2024.

PUBLICATIONS: PUBLISHED CHAPTER IN BOOKS

1. Pal, N. (2025). Indian Chemist Nagarjuna, Bhartiya Gyan Parampara RITAMBHARA, Aman Publication, 978-81-979473-1-5.

2. Pal, N. (2025). The Science Behind Meditation: How It Changes Our Body Chemistry, Health & Hygiene, 978-620-8-42668-2, Lambert Academic Publication

1. Pal,N. (2024). The Impact of Climate Change on Depression in Human Health: A Case Study in Kanpur, The Burden of Depression on Society. LAP Lambert Academic Publishing. ISBN 978-620-7-80927-1.

2. Pal,N. (2024). Mathematical Analysis and Its Importance in Chemical Sciences, Environmental Modelling for Sustainable Development. Bharti Publication New Delhi. ISBN 978-81-19757-18-3.

3. Pal,N. (2024). A Review of Miracle Herb Ocimum Sanctum (Tulsi). First Print Publication. ISBN 978-93-93647-74-0.

4. Pal,N. (2024). Adulteration in Orange Juices: An Overview, Adulteration in Food Chemistry, Lambert Academic Publication, 978-620-8-117-436.

4. Pal,N. (2023). Review of Photodegradation in Polymers, Photochemistry of Organic Synthesis. LAP Lambert Academic Publishing. ISBN 978-62-07451-95-1.

5. Pal,N. (2023). Right to Health and Awareness: Exploring the Allergic Problems and Future Prospects. Opus Publisher & Distributors. ISBN 978-93-94870-29-1.

6. Pal,N.. (2022). भारत में उच्च शिक्षा एवं ऑनलाइन शिक्षण. IJARMS Publication. ISBN 978-81-958911-1.

7. Pal,N. (2022). Emerging Environmental Issues in the Modern Era, Climate Change's Impact on Health and Livelihoods. LAP Lambert Academic Publishing. ISBN 978-62-074519-5-1.

8. Pal, N. (2020). Adopt Yoga , Meditation and Ayurveda for Health and Happiness in COVID - 19 Pandemic. Radha Publication. ISBN 978-81-945473-2-7.

9. Pal, N.(2017). Studies on Thermal Properties of Vinyl Ester Resin Synthesized in Presence of Different Molecular Weight Epoxy Resin with Cresyl Glycidal Ether. Book Publication 106 Viram Khand -3 Gomti Nagar - Lucknow 226010(U.P.).ISBN 978-93-85420-19-1.

10. Pal, N. (2017). Emerging Trends in Waste Water Chemical Treatment Processes. Book World 174 A Vikas Nagar Kanpur 208 024(U.P.) ISBN 978-81-926984-9-6.

CONFERENCE PRESENTATIONS/ATTENDANCE/CERTIFICATIONS

Subject	Organizing Institute	Sponsoring Agency	Date	Attended/Paper Published
Green Chemistry	Department of Chemistry ANDNNM College	Department of Chemistry ANDNNM College	11th Dec' 2009	Attended
Emerging Trends in Chemical Sciences	Department of Chemistry, DBS College, Kanpur	Department of Chemistry, DBS College, Kanpur	5-6 th , December 2007	Attended
Molecular Machines	Department of Chemistry, VSSD College, Kanpur	Indian Chemical Society	31st Dec' 2007	Attended
Molecules and Methodologies	Department of Chemistry, D.G College, Kanpur	Indian Chemical Society	28th Feb' 2008	Attended
Environmental Education in Present Scenario- a Challenge	Department of Chemistry, D.G College, Kanpur	University Grant Commission, New Delhi	25 th Nov' 2008	Attended
Environmental Science and Engineering	Department of Chemistry, B.V. PG College, Mandhana, Kanpur	Department of Chemistry, B.V. PG College, Mandhana, Kanpur	23rd Jan'2009	Attended
Contribution of Chemistry to the Society	Department of Chemistry, DBS College, Kanpur	Department of Chemistry, DBS College, Kanpur	04 th Dec'2009	Paper Presentation
Introduction on Green Chemistry Education, Theory & Practises	Department of Chemistry, VSSD College, Kanpur	University Grant Commission, New Delhi	22-23 Oct'2010	Attended
Embracing technological advances in surface coating with special focus on process improvement and cost reduction	Oil Technology & Indian Paint Association, Indian Institute of Chemical Engineers, Kanpur Regional Centre, Kanpur	CSJM University Kanpur	20-21 March'2010	Paper Presentation
Current Concepts & Frontier Advances in Science & Educational Research	Department of Chemistry, T.D. PG College, Jaunpur (UP)	University Grant Commission, New Delhi	5-6 th March'2011	Paper Presentation

Bio-Inorganic and Nano Chemistry	Department of Chemistry, DAV (PG) College	CSJM University Kanpur	12-13 Nov'2011	Attended
Chemistry: Frontiers & Challenges	International Conference, Aligarh Muslim University, Aligarh	CSIR & Department of Biotechnology	5-6 March'2011	Attended
Science for shaping the Future of India	Department of Chemistry, DAV (PG) College & DG College, Kanpur	Indian Science Congress Association, Kanpur Chapter	3-4 Dec'2012	Paper Presentation
Science for shaping the Future of India	Calcutta University, Kolkata, India	(100) Indian Science Congress Association	3-7 Jan'2013	Paper Presentation
Innovation in science and technology for Inclusive Development	Department of Chemistry D.A.V & D.G College, Kanpur,	Regional Rural Science Congress	23-24 Nov'2013	Paper Presentation
Multifaceted scope of Chemistry & Human Welfare	Department of Chemistry DBS (PG) College	UGC, New Delhi	22-23 Jan'2011	Paper Presentation
Science and Technology for Human Development	Department of Zoology, D.A.V & D.G College, Kanpur,	Indian Science Congress Association, Kanpur Chapter	8-10 Dec'2024	Paper Presentation
India International Science Festival	CSIR-NPL, Delhi	Young Scientists Conclave	8-11 Dec'2016	Paper Presentation
Global Environment & Sustainable Development: Issues and Challenges	Department of Higher Education, Govt of Uttar Pradesh	Department of Political Science Government Girls P.G College, Bindki, Fatehpur (UP)	21-22Jan'2017	Paper Presentation
Advance in Chemistry for Sustainable Development	TEQIP-II, Word Bank	Department of Chemistry & Mechanical Engineering, HBTU, Kanpur	22-23 March'2017	Paper Presentation
VIGYAN PARISHAD CSIR- National Botanical Research Institute, Lucknow	SCIENCE & TECHNOLOGY FOR NEW INDIA	Shri Jai Narain PG College Lucknow	20 Nov'2017	Participated
India International Science Festival 2018	Indira Gandhi Pratishthan Lucknow	Women Scientist and Entrepreneurs Conclave	508 Dec'2018	Participated
Development and Opportunities in Material Science	Department of Physics, DBS College, Kanpur	Department of Physics, DBS College, Kanpur	2nd Feb'2019	Paper Presentation
Food Chemistry, Processed Food Toxicology	Department of Chemistry, DAV (PG) College, Kanpur	Department of Chemistry, DAV (PG) College, Kanpur	25-26 Sep'2019	Paper Presentation

Application of Elements of Periodic Table in Natural Science	Department of Chemistry, DAV (PG) College, Kanpur	Department of Chemistry, DAV (PG) College, Kanpur	14-15 Nov'2019	Paper Presentation
Online Teaching Learning and Higher Education in India	Department of Higher Education, Govt of Uttar Pradesh	Department of Political Science Government Girls P.G College, Bindki, Fatehpur (UP)	29-30 March'2022	Paper Presentation

FACULTY DEVELOPMENT PROGRAMME

1	Recent Advancement in Food Processing and Preservation	Harcourt Butler Technical University, Kanpur TEQIP-III, World Bank	Department of food Technology Harcourt Butler University, Kanpur	26-31 Aug' 2019
2	Advance concepts of developing MOOCS	Teaching Learning Centre, Ramanujan College, University of Delhi	Government of India, Ministry of Human Resources Development	2-17 July'2020
3	Technical Education Quality Improvement Program	Harcourt Butler Technical University, Kanpur TEQIP-III, World Bank	Department of Chemistry and Chemical Engineering	10-14 Nov' 2008
4	Curriculum Development and Evaluation Methods in Technical Education	Harcourt Butler Technical University, Kanpur TEQIP-III, World Bank	Plastic Technology Department & Mechanical Engineering Department	1-6 July' 2013
5	Advances in Enzyme Production & their industrial application	Harcourt Butler Technical University, Kanpur TEQIP-III, World Bank	Bio chemical Engineering and Food Technology Department	19-24 Dec' 2013
6	Research Methodology and ICT tools	Dr. Janak Singh Socio Cultural Educational Society		14-20 June' 2020
7	E-Learning and ICT tools for Effective Teaching - Learning	Aravali College of Advanced Studies in Education Pali Faridabad	C.R.S. University, Jind (Haryana)	8-13 June' 2020

LECTURE SERIES

Modeling and Computing	Harcourt Butler Technical University, Kanpur	Department of Mathematics	Feb18-March18' 2012
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WORKSHOPS

Workshop on Green Chemistry	Department of Chemistry ANDNNMM College, Kanpur	Department of Chemistry ANDNNMM College, Kanpur	11 December 2009	Participated
Science Academics Lecture workshop on Advances in Bio-Inorganic and Nano Chemistry	Department of Chemistry D.B.S College, Kanpur	Department of Chemistry D.B.S College, Kanpur	12-13 November 2011	Participated
Workshop on Environmental Degradation: Anthropogenic Problem and their Prospect	Har Sahai P.G College, Kanpur	Har Sahai P.G College, Kanpur	23 January 2013	Paper Published
Workshop in Water Infrastructure Management for performance, resiliency, and sustainability	Indian Institute of Technology Kanpur, India & Virginia Tech, USA	Indian Institute of Technology Kanpur, India & Virginia Tech, USA	17-18 December 2015	Participated
Science Academies Lecture Workshop	Recent Trends in Nano Science and Technology	Christ Church College, Kanpur	7-9 September 2017	Participated
Advance Analytical Techniques	Harcourt Butler Technical University, Kanpur TEQIP-II WORLD BANK	Department of Oil Tech & Plastic Tech Harcourt Butler Technical University, Kanpur	19-20 September 2018	Participated

Research Id:

1. https://www.researchgate.net/profile/Neelam-Pal?ev=hdr_xprf
2. <https://scholar.google.com/citations?user=evUGsaoAAAAJ&hl=en>