

Dr. MUKESH CHAND


PROFESSOR (CHEMISTRY)

HEAD INDUSTRIAL CHEMISTRY

AT STATE-AFFILIATED COLLEGE TO MAA
SHAKUMBHARI UNIVERSITY, SAHARANPUR,
UTTAR PRADESH

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 DAV (PG) College, Muzaffarnagar, Uttar
Pradesh, India 251001



EDUCATION

MEERUT UNIVERSITY, Meerut — Ph.D.

1986 – 1992

Studies on the influence of alcohols on the properties of Micellar and Microemulsion System.

MEERUT UNIVERSITY, Meerut — M.Sc.

1982 – 1984

Master of Science in Chemistry, Specialized in Organic Chemistry

MEERUT UNIVERSITY, Meerut — B.Sc.

1980 – 1982

Bachelor of Science in Botany, Zoology, and Chemistry

UP Board, Allahabad — Intermediate.

1978 – 1980

Hindi, English, Physics, Chemistry, and Biology

UP Board, Allahabad — High School.

1976 – 1978

Hindi, English, Maths, Biology, and Science

WORK EXPERIENCE

1. TEACHING EXPERIENCE

Professor in Chemistry

DAV PG COLLEGE, Muzaffarnagar, Uttar Pradesh

NOVEMBER 2021 – WORKING (CURRENTLY EMPLOYED)

Associate Professor in Chemistry

DAV PG COLLEGE, Muzaffarnagar, Uttar Pradesh

JANUARY 2016 – NOVEMBER 2021

Reader in Chemistry

DAV PG COLLEGE, Muzaffarnagar, Uttar Pradesh

NOVEMBER 2000 – JANUARY 2016

Senior Lecturer in Chemistry

DAV PG COLLEGE, Muzaffarnagar, Uttar Pradesh

NOVEMBER 1996 – NOVEMBER 2000

Lecturer in Chemistry

DAV PG COLLEGE, Muzaffarnagar, Uttar Pradesh

NOVEMBER 1991 – NOVEMBER 1996

2. ADMINISTRATIVE EXPERIENCE

- I. **Head of Industrial Chemistry Department**, DAV (PG) College, Muzaffarnagar, Uttar Pradesh.
- II. **Officiating Principal** from time to time of DAV (PG) College, Muzaffarnagar, Uttar Pradesh.
- III. **Head of Chemistry Department**, from time to time, DAV (PG) College, Muzaffarnagar, Uttar Pradesh.
- IV. **Chief proctor and proctor** in different Sessions of Academic years.
- V. **Member for verification** of API score regarding the eligibility of applicants for the post of principal, DAV (PG) College.
- VI. **Subject Expert** for the promotion of Assistant and Associate Professor of MSU, Saharanpur, Uttar Pradesh.
- VII. **Subject expert** Chemistry (intermediate), **Expert Item Writer** of Objective questions Chemistry and Member of the Syllabus Revision Committee of Chemistry **Uttarakhand Public Service Commission**, Haridwar, Uttarakhand.
- VIII. **Subject expert** in SFC (Science) of CCSU, Meerut and MSU, Saharanpur, Uttar Pradesh

- IX. **Member of the Inspection Board (panel)** of SFC in MSU, Saharanpur, Uttar Pradesh.
- X. **Subject expert chemistry** at Harsh Vidhya Mandir (PG) College (Sri Dev Suman University, Tehri, Garhwal, Uttarakhand).
- XI. **Subject expert** Lala Jagdish Prasad Inter College, Muzaffarnagar
- XII. **Convener of Various Committees.**
 - a. Board of Studies Chemistry, M.S. University, Punwarka, Saharanpur.
 - b. Flying Squad CCS University Main exam
 - c. Social Welfare Committee.
- XIII. Holding a key position in the Teacher Association, from time to time
 - a. President of the Teacher Association
 - b. Secretary of the Teacher Association
 - c. Joint Secretary of the Teacher Association
- XIV. **Become a crucial member of various committees.**
 - 1. IQAC
 - 2. NAAC
 - 3. Research Committee
 - 4. Sports Committee
 - 5. Admission Committee
 - 6. Grievance Committee
 - 7. Science Forum
 - 8. Book Purchase Committee
 - 9. Parent Teacher Committee
 - 10. Vote counting committee for students' union
 - 11. Beautification electricity and field management) DAVian Youth Week Chetna,
 - 12. Development Cell
- XV. **Coordinator of Alumni Affair committee.**
- XVI. **Secretary (Alumni Association)** of the Association from time to time Aid in conducting the business of the association.
- XVII. **Teacher representative** of the Management Committee.
- XVIII. **Various examination and evaluation duties assigned by the college/university and Other State Agencies**
 - 1. **Senior Superintendent** of the CCS University Examination during many academic sessions.
 - 2. **Additional superintendent** of the CCS University Examination during many academic sessions.
 - 3. **Assistant superintendent** of the CCS University Examination during many academic sessions.
 - 4. **In charge** of Practical Classes for UG and PG.

5. **Coordinator** of University Practical exam
6. **Observer** assisted in B. Ed. Entrance examination
7. **Invigilator** in the university examination
8. **Admission Coordinator** for B.Sc. (Bio group) many times in various academic years.
9. Done work as a **Subject Expert and Writer** for various colleges, universities, and commission examinations.
10. **Paper setter** for various examinations
 - a. B.Sc. Organic chemistry
 - b. B.Sc. Industrial Chemistry
 - c. M.Sc. Chemistry university main and back paper examination and other universities.

XIX. Conduct various student-related co-curricular and career advancement activities that empower students such as student clubs, career counselling, study visits, student seminars, cultural, sports, community service and other events from time to time during many academic years.

1. Study visits
 - a. M.Sc.
 - b. B.Sc.
 - c. B.Sc. Industrial Chemistry training course to various Industries.
2. Student Seminar
3. Science exhibitions
4. Essays competitions
5. Quiz competitions
6. Group discussions
7. Cultural Activities
8. Sports (Annual Sports)
9. Debate competitions
10. Community services

XX. Rover Scouting

1. **Coordinator of Rover Ranger** “Maa Shakumbhari University, Punwarka Saharanpur.
2. Holding **Crucial Offices** of UP Bharat Scout and Guide from time to time such as
 - a. **District Commissioner**
 - b. **Vice-president**
 - c. **Treasurer**
3. **Convener** of First Antar Mahavidhyalaya Samagam of Maa Shakumbhari University, Saharanpur at DAV College, Muzaffarnagar, Uttar Pradesh.

4. **Organizer** of Various Field Events at the District and Regional Levels

- a. **Inter-University (Antar Vishwavidhyalaya) Samagam**, State level at DAV College, Muzaffarnagar.
 - b. **"Sadak Suraksha Maah"** Road Safety Month with District Administrations.
 - c. **Medical camp** for Staff, Students, and the Public with Rovers (Scouts) at the District level.
 - d. **Plantation Programme** in College and Different Places.
 - e. **Voter Awareness Companion.**
 - f. **Women Safety Companion.**
 - g. Nipun **inspection camp** of Rover Ranger.
 - h. **Exhibition for Awareness** of Public by Information Department, UP Government.
5. Few training courses, **Scout Master** Training Source and **Advanced Course Rover Leader**.
 6. Participated in the **"ASIA PACIFIC REGION SCOUTS"** Workshop on Communications and Media.
 7. Rovers won **Governor Awards**, and **President Awards** (Bharat Scouts and Guides) under my leadership.
 8. **Working as a Rover Leader Dr Rajendra Prasad Rover crew**, DAV (PG) College, Muzaffarnagar, Uttar Pradesh.

XXI. **Organizing** various seminars, workshops, and conferences

1. Organizing Secretary **"Borosil Mansing SURVISMETER"** 2011-12 Seminar
2. **Organizer** National Seminar
3. **Convener** of Online workshop on vocational education experimental learning Mahatma Gandhi National Council of Rural Education, Ministry of Education

ACHIEVEMENTS / AWARDS

1. **UNESCO PG course** in Macromolecular Chemistry one year as **Young Scientist**, Charles University, Prague (Czechoslovakia), International (1990-91).

Research Institute visited:

- a. **Heyrovsky Institute of Polarography**, Faculty of Science, Charles University, Praha(Prague), Czechoslovakia.
- b. Visited **Institute of Macromolecular Chemistry Czechoslovak**, Academy of Science and Technology, Praha (Prague), Czechoslovakia.
- c. Visited **Polymer Institute of Technology, Praha (Prague), Czechoslovakia**.
2. **Appreciation Letter Teaching and Results by the Secretary of the Management Committee on 2001 – 2002**,
3. **Special Governor award for Excellence Service in Scouts and Guides** at Headquarter Scouts and Guides, Prayagraj (Allahabad), Uttar Pradesh, 2008.
4. Observer **22nd APR (Asian Pacific Regional) Scout Conference Tokyo, Japan**, Japan Scouts and Guides (2007-2008), 2008
5. **Dr S. Radhakrishnan Teachers award for Outstanding and Dedicating Service in Teaching by the International Association of Lion Club, Muzaffarnagar**, Uttar Pradesh 2018.
6. **Excellence and Notable Contribution in the Field of Higher Education** on the Occasion of Teacher's Day, Government of Uttar Pradesh, Lucknow, Uttar Pradesh, 2021.
7. **Excellence and Notable Contribution in the Field of Higher Education** on the Occasion of Teachers' Day, DAV PG College, Muzaffarnagar, Uttar Pradesh, 2022
8. **Outstanding services in the education field by Uttar Pradesh Yoga Association**, Muzaffarnagar, 2022
9. **Guest of honour in science exhibition** at Badkali Inter College, Badkali, Muzaffarnagar, 2022.
10. **Guest of honour in the science exhibition** at Gurukul Public School, Kutasra, Muzaffarnagar, Uttar Pradesh, 2023.
11. **Guest of honour in the Workshop on NEP 2020 and ABACUS UP** Organized by Maa Shakumbhari University, Saharanpur in collaboration with Shri Ram College, Muzaffarnagar, Uttar Pradesh, 2022.
12. **Award of honour and guest lecture in National Workshop on Research Methodology** at JKP (PG) College, Muzaffarnagar under MSU Saharanpur 2023.

PROJECT

1. *Isolation, Purification, and Characterization of Plant Protein Phosphatase*, UGC, New Delhi, 2011 to 2013.
2. *“Studies on Micellization, Adsorption, Solubilizing Action, and Emulsifying Behaviour of some Specific Surface-Active Agents VIS A VIS their Interactions with some Non-Electrolytes, Polymers, and Dyes”*, CSIR, New Delhi, 2004 to 2007.
3. *“Studies of Synergism in Binary Mixture of Surfactants in Aqueous Solution”*, UGC, New Delhi, 2004 to 2006.
4. *Micellization, Emulsifying Action, Solubilization, Adsorption Characteristics of Surfactants and their Interaction with Macromolecules and Dyes*, UGC, New Delhi, 1995 to 1997.
5. *Direct CSIR SRF from 1-3-1989 to 28-2-1990 in the project entitled “Adsorption Characteristic and micellization of surfactants Vis-à-vis Solubilization, Emulsification action and their Interaction with protein and dyes”*. Awarded by CSIR for working under Dr. P. Bahadur, (PI), Chemistry Department, DAV College, Muzaffarnagar (U.P.)
6. *Project JRF (August 86 to July 89) in the major project entitled “Studies on the influence of Alcohol on the properties of Micellar system and Microemulsion”*. Awarded to Dr P. Bahadur (PI), Chemistry Department, DAV College, Muzaffarnagar (U.P.), UGC, New Delhi, 1986 to 1989.

PUBLICATION

1. RESEARCH ARTICLES

1. Rheological studies of Anionic Surfactants in the presence of urea derivatives and monohydric Alcohols at constant Temperature, **International Journal of Current Science Research and Review**, 2023.
2. Studies on Dodecyl Ammonium Chloride (DAC) in The Presence of Ethoxy Ethanol and Glycerol Additives, **International Journal of Essential Sciences**, Peer Reviewed & Refereed Journal, Vol.15 No. 1&2 2021.
3. Studies of selective tissues development of protein tyrosine Phosphatases and effect of oxidative stress in *Arachis hypogaea* L, **Journal of plant Archives**, 2021.
4. Role of Chitinases as Waste Management to Control Global Crisis, **International Journal for Environment Rehabilitation and Conservation**, 2020 -21.
5. Current Advances of Biodiesel Produced from Renewable Bio-sources, **International Journal of Essential Science**, 2020.
6. Surfactants and their recent biological application in the medical and pharmaceutical field, **International Journal of Essential Science**, 2019.
7. The Effect of Perchloric Acid as an Oxidative Stress Trigger for Protein Threonine Phosphatases (PThPASE) in *Arachis hypogaea* L. Seedlings, **Asian Journal of Environmental Science**, Dec 2017.
8. Study of carbon monoxide in ambient of Delhi, **World Journal of Pharmacy and Pharmaceutical Sciences**, January 2015.
9. Study of suspended Particulate matter in the ambient of Delhi, **International conference on Recent trends in Applied Physical Chemical Sciences, Mathematical/ Statistical, and environmental dynamics (PCME)I**, 2015.
10. Effect of surfactants on protein threonine Phosphatases (PThPASE) activity in peanut (*Arachis hypogaea* L. seedlings), **Journal of Agriways**, 2015.
11. Protein tyrosine phosphatases extracted from peanut seedlings express differential activity on exposure to surfactants, **Journal of Pure and Applied Microbiology**, 2014.

12. Micellar behaviour of anionic surfactants (NaDeS, KDeS) in alkanol+toluene system by conductivity method, **International Journal of Essential Science**, 2013-14.
13. Novel synthesis of altretamine and their process impurities by imidazolium type of ionic liquids, **SSRN development e journal**, 2012.
14. Novel synthesis of Bicalutamide drug substance and their impurities using imidazolium type of ionic liquid, **SSRN development e journal**, 2012.
15. Solubilizing action of anionic (NaDes, KDes) and cationic (TTAB, HTAB) surfactants in aqueous solution at different temperatures, **International Journal of Essential Science**, 2012.
16. Angiotensin-converting enzyme inhibitors-impurity profiling: An Overview, **Trade Sciences**, 2010.
17. Design, synthesis, and fluorescence lifetime study of benzothiazole derivatives for imaging of amyloid, **Journal of Cancer Biotherapy and Radiopharmaceuticals**, 2010.
18. Studies on polymer surfactant interactions and effects of electrolyte and temperature, **Journal of Tenside Surfactants Detergents**, 2003.
19. Effects of additives on polyethylene sorbitan fatty acid ester, **Journal of Tenside Surfactants Detergents**, 2002.
20. Studies on sodium dodecyl benzene sulphonate in the presence of additives, **Journal of Tenside Surfactants Detergents**, 1998.
21. The effects of n-propanol on Human Serum Albumin (HSA) in alkaline solutions, **Journal of Tenside Surfactants Detergents**, 1998.
22. Studies on dodecyl ammonium chloride in the presence of additives, **Journal of Tenside Surfactants Detergents**, 1997.
23. The interactions between anionic surfactants and serum albumin molecules, **Journal of Tenside Surfactants Detergents**, 1993.
24. Studies of the behaviour of alcohols as cosurfactants in stabilizing micro-emulsion, **Journal of Tenside Surfactants Detergents**, 1993.
25. Studies on the coagulation of magnesium caprylate stabilized water-oil emulsions, **Journal of Tenside Surfactants Detergents**, 1992.

26. Study of interaction between catechin and native and modified bovine serum albumin by physicochemical methods, **Indian Journal of Biochemistry and Biophysics**, 1989
27. Viscometric studies on the interaction of triethanolamine Lauryl sulphate (TEALS) with casein, **Bull De LA Societe Chimique De France**, 1989.

2. PUBLICATION OF BOOKS AND CHAPTERS

1. **Advanced Inorganic Chemistry, Dr Ajai Kumar¹, Dr Mukesh Kumar², Dr Sudershan Kumar³, Aarush Education, Bhartiya Colony, Muzaffarnagar, 2019.**
2. **Objective Chemistry, Dr Sanjay Arora¹, Dr Mukesh Chand², Dr Rajkumar³, J. P. and Company, Meerut, 2018.**
3. **Vasthunisth Rasayan, Dr Sanjay Arora¹, Dr Mukesh Chand², Dr Rajkumar³, J. P. and Company, Meerut, 2015.**
4. Effect of Salt Stress (Sodium Oxalate) on Activity of Protein Phosphatase, **Emerging trends in Chemical Science**, Authors: Dr Hari Om Sharma³, Dr Pradeep Kumar², Sanjay Arora⁴, Dr Mukesh Chand¹, Editor: Hemant Panwar, Walnut Publication, 2023.
5. Cellulase: A Promising Renewable Feedstock for Biofuel Production, **Emerging trends in Chemical Science**, Authors: Divya, Dr Pradeep Kumar², Abhinav Aeron³, Dr Mukesh Chand, Editor: Hemant Panwar, Walnut Publication, 2023..
6. Biodiesel: A renewable alternative source of energy, Self-publisher, Editor Dr Vidhi Tyagi Co-editor Dr Aprana Sharma, 2021.
7. Impact of crustacean marine seafood waste on human life and environment, Self-publisher Editor Dr Vidhi Tyagi, 2020.

3. INTERNATIONAL / NATIONAL CONFERENCES / SYMPOSIA / SEMINARS ATTENDED

1. **Chairperson** in the second International Online Conference “Emerging Trends in Chemical Science” Organized by the Department of Chemistry, HVM PG College and Rasee, Haridwar, Uttarakhand in 2023.
2. **Chief Guest** in the Workshop on “Analytical Tools and Techniques” at SD College, Muzaffarnagar affiliated with Maa Shakumbhari University, Saharanpur, Uttar Pradesh, 2022.
3. Impact of crustacean Marine food waste on Human life and Environment, National Webinar on “Climate change, water availability and food security: impacts and Sustainable Management” UCOST NWCCWAFS-2020atChaman Lal Mahavidhyalaya, Landhaura, Haridwar (UK), National 2020.
4. **Expert:** Technical session on Research papers and posters, 14th Uttarakhand State Science and Technology Congress 2019-2020, Ministry of Environment, Forest and Climate Change, Govt of IndiaNG STC, DST, Govt of India, National 2020.
5. Initiative to achieve environment protection by inculcating moral values and sustainable practices, Initiative to achieve environment protection by inculcating moral values and sustainable practices, A. S. (P. G.) College, Mawana, Meerut, Uttar Pradesh State Council of Higher Education, Govt. of Uttar Pradesh, National, 2019.
6. Green Chemistry and Sustainable Development, A National Seminar on Green Chemistry and sustainable development, Department of Chemistry, Meerut College, Meerut, and Advance Research Institute for Development of Social Science (Aridss), Meerut, University Grants Commission, New Delhi, National, 2018.
7. A sustainable energy source biofuel: A review, National Seminar on innovative techniques in Scientific Research and skill development, Department of Chemistry, Meerut College, Meerut, UGC under CPE, National, 2018.
8. Future sustainability of Algae Biofuel production: Energy, Economy and Environmental impacts, Bioenergy and waste management, Department of Biotechnology, S. D. College of Engineering and Technology, Dr APJ Abdul Kalam Technical University, Lucknow, National, 2017.
9. Eco-friendly control oxidation.....bromochromate, Green chemistry for sustainable future, CCRD College, Muzaffarnagar, Department of higher education Govt of UP, National, 2017.
10. Basic fundamental principles for the synthesis of -----respective intermediates, National conference on “Science and Technology for National Development, The Indian Science

Congress Association, Haridwar chapter and Department of Chemistry, Gurukula Kangri Vishwavidyalaya, National, 2016.

11. **Resource Person** Youth & Skill Development; Future prospects “Skill development in India”, Govt PG College, Deoband, Saharanpur, Department of Higher Education, Govt of UP, National, 2016.
12. Novel synthesis of bicolutamide drug substance and their impurities using imidazolium type of ionic liquid, Emerging trends in Engineering and Sciences, Department of Mechanical Engineering, Gurukula Kangri University, Haridwar, National, 2013.
13. Development of tissue-specific....effect of oxidative stress, Golden Jubilee Seminar Analytical science in energy and environment, IIP (CSIR) Dehradun and Indian Society of Analytical Scientists, Delhi Chapter National, 2013.
14. The study of Sodium vanadate as a potent inhibitor for protein threonine phosphatase, Current Research and Education in chemical sciences, Department of Chemistry, DAV PG College, Muzaffarnagar, National, 2009.
15. The role of Micelle and photosensitizers in the photodegradation of endosulphan in methanol, Symposium on National/Growth, Development and Natural Resource Conservation, Department Of Zoology, D. A. V. (P. G.) College, Muzaffarnagar, 1988.
16. The role of micelle, surfactants and emulsion, 3rd National Conference on Surfactants, Emulsions, and Biocolloids, Department of Chemistry, Aligarh Muslim University, National, 1987.

4. INTERNATIONAL / NATIONAL CONFERENCES / SYMPOSIA / SEMINARS PARTICIPATED.

1. Three day workshop on Indian Academy of science, Meeting and Lecture Workshop Organized by Chemistry Department of I.I.T. Roorkee, Uttarakhand, 2023
2. A one-day workshop on the Nursing environment through organic farming organized by the Internal Quality Assurance Cell (IQAC), Department of BioSciences, DAV College, Muzaffarnagar, Uttar Pradesh 2023.
3. Participated in the International Webinar on “New Horizons in Chemical Sciences and Technology” organised by the Department of Chemistry, Ch. Chotu Ram (P.G.) College, Muzaffarnagar, U. P., India 2020.
4. Participated in a 2-day online guest lecture on “Recent Trends in Chemical Sciences Focusing on Employment” organized by the Department of Chemistry, HVM (P.G.) College, Raisi, Haridwar (U.K.) 2020.
5. Participated in the National seminar on “Indian Revolution of 1857: Its Nature and Global Impact” organized by Chaudhary Charan Singh University and Sahityik-Sanskritik Parishad, 2019.
6. Acted as a Judge in Quiz and participated in the seminar on “Health and Hygiene” organized by DAV (P.G.) College, Muzaffarnagar, Uttar Pradesh, 2019.
7. Attended a seminar on “Biodiversity and its conservation” at D.A.V. (P.G.) College, Muzaffarnagar. Uttar Pradesh, 2017.
8. Participated in Industry-Academia Interaction (IAI) organized as a part of India International Science Festival 2016.
9. Participated in the National Conference on “Technological Advancements: Stepping towards Sustainable Development” organized by Shri Ram Group of Colleges, Muzaffarnagar, 2015.
10. Attended the conference on “Skill India Initiative: Challenges, Opportunities and Strategies” organized by SD College of Engineering and Technology and SD College of Management Studies, 2016.
11. Indian society of analytical scientist, Chapter Delhi, 2013.
12. Participated in the National Seminar on “Recent trends in advancement of mathematical and physical sciences” held at DN College, Meerut, 2010.

13. Participated in the one-day seminar “Vision 2010: Analytical Techniques and Instrument for Industries, Research, and Academics” at Indian Institute of Petroleum, Dehradun organized by Indian Society of Analytical; Scientists, BARC, Mumbai, 2015.
14. Participated in University Level Terminology Workshop, Hindi Medium (**Scientific and Technical Commission, Ministry of HRD**) in Chemistry Subject Terminology Workshop organized at SD College, Muzaffarnagar, UP, 1994.
15. Participated in the 6th National Symposium on Mass Spectrometry (6th-NSMS) held at the Indian Institute of Petroleum, Dehradun, 1993.
16. Life member of “Indian Society for Mass Spectroscopy”, BARC, Trombay, Mumbai, India 1993.
17. Life member of Indian Society of Analytical Scientists, New Delhi, 1993.

5. PATENTS

1. Silver-Catalyzed Production of Hydrogen Peroxide with Stabilizing Agent, App. No. 202311056955A, C.B.R. No. 38404, 29th September 2023.

6. RESEARCH GUIDANCE

1. **Ph.D. (Degree Awarded): 08**
2. **Working for Ph.D. Degree: 04**
3. **M. Phil.: 02**
4. **Dissertation: by IAS trainee (Batch 34)**

S.No.	Name	Course	Titles
1.	Gaurav Sharma (Awarded)	Ph.D.	Method Development for the Isolation and Characterization of Related Impurities and Drug Substances.
2.	Sandeep Kumar (Awarded)	Ph.D.	Physico Chemical Studies of Some Surface-Active Agents and Some Additives.
3.	Pradeep Kumar (Awarded)	Ph.D.	Purification and Characterization of Protein Tyrosine Phosphatases from Archies Hypogea.
4.	Mayank (Awarded)	Ph.D.	Micellar behaviour of ionic and non-ionic surfactants in the presence of additives.
5.	Hari Om Sharma (Awarded)	Ph.D.	Purification characterization and rheological studies of protein threonine phosphatases from peanuts
6.	Anil Kumar (Awarded)	Ph.D.	Novel synthesis of active pharmaceutical ingredients and intermediate using ionic liquids.

7.	Nitin Kumar (Awarded)	Ph.D.	Development and evolution of novel PET tracers for studying MAO and COMT for understanding the mechanism of cognitive function.
8.	Sonia Tyagi (Awarded)	Ph.D.	Studies on measurement of gaseous pollutants (especially carbon monoxide. CO) and particulate matter (SPM and RSPM) in the ambient air of Delhi.
9.	Sangeta Saini (Working)	Ph.D.	Isolation Purification and Kinetic Studies of Chitinase from Glycine Max
10.	Kalpana (Working)	Ph.D.	Production of Biodiesel from Borne Oil Seed
11.	Divya Bansal (Working)	Ph.D.	Isolation and Purification and Characterization of Microbial Cellulase from Trichoderma Fungi
12.	Mohan Kumar (Working)	Ph.D.	Synthesis and Characterization of Conducting Polymer Nanocomposite Advanced Global Coating for Corrosion Protection of Mild Steel.
13.	Pradeep Kumar (Awarded)	M. Phil	Study of Protein Phosphatase Activity in Plants.
14.	Dharmendra (Awarded)	M. Phil	Studies of Alkaline phosphatase activity in Soybean (Glycine Max) Plant
15.	Gazal Bharadwaj I.A.S., B34 (Completed)	Dissertation	To Understand the Problem of River Pollution Caused by the Paper Pulp Industry in Muzaffarnagar.

7. INTEREST

Surface chemistry, Macromolecular chemistry, Ionic liquid Green Chemistry, Biochemistry and Biophysics, indulging in finding noble renewable bio-sources to replace conventional primary pollution-causing fuel and waste Management.

8. LANGUAGES

Proficiency in Hindi and English