



Faculty Profile on University Website

www.uprtou.ac.in

Title	Dr.	First Name	DINESH	Last Name	GUPTA	
Designation	ACADEMIC CONSULTANT- CHEMISTRY					
School	SCHOOL OF SCIENCE					
Address (Campus)	SCHOOL OF SCIENCE, U.P. RAJARSHI TANDON OPEN UNIVERSITY, PRAYAGRAJ, U.P. , INDIA-211021					
(Residence)	B-42 GOVINDPUR COLONY, PRAYAGRAJ, INDIA-211004					
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Educational Qualifications (Graduation Onwards)						
Course/Degree	Institution	Year	Details/Thesis Topic/Subjects			
B.Sc.	University of Allahabad	2003	Botany and Chemistry			
M.Sc.	University of Allahabad	2005	Inorganic Chemistry			
Ph.D.	Motilal Nehru National Institute of Technology, Allahabad	2012	Synthesis and Characterization of some Modified Metal Alkoxides as Precursors for Metal Oxide Nanomaterials and some Metal Organic Framework Compounds			
UGC/CSIR-NET/JRF/SRF						
Roll No	Subject				Year	
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Career Profile						
Organization / Institution	Designation	Duration	Role			
Bharat Scout & Guide Inter College, Allahabad	Lecturer	2005-2006	Teaching and Administrative work			
Chhatrapati Shahuji Maharaj College of Engg. and Technology, Iradatganj Allahabad	Lecturer	2008-2012	Teaching and Administrative work			
U.P. Rajarshi Tandon Open University, Prayagraj	Academic Consultant- Chemistry	Feb. 2013 to Till date	Teaching and Administrative work			
Research Interests / Specialization						
<ol style="list-style-type: none"> 1. Designing and synthesizing various Metal Organic Framework complex formation using various transition metal ions. 2. Designing and synthesizing various Metal Alkoxides and study properties of their sol-gel synthesized nanomaterials. 3. Characterization of ligands and metal complexes using Single crystal X- ray crystallography, powder X-ray of Nanomaterials and various spectroscopic techniques like multinuclear NMRs and EPR, Titration techniques, SEM, TEM and Fluorescence. 						

4. Instruments like FT-IR, UV-Vis spectrophotometer, Elemental analyzer, TGA- DSC, Partical size analyzer (Nano Track), Dip Coater and Spin Coater, Schlenk Technique, Globe Box Experiments etc.

Contribution to design and development of Self Learning Material (SLM) of the programmes						
Programme Name	Course Code	Course title	Curriculum designing (Programme and course coordination)	Writing of No. of Units	Editing of blocks (content format and language)	Vetting of blocks
B.Sc.	UGCHE-101	Basic Inorganic Chemistry (Inorganic Chemistry-1)	B.Sc. -Chemistry, Dr. Dinesh Kumar Gupta	6	--	--
B.Sc.	UGCHE-103	Basic Physical Chemistry (Physical Chemistry-1)	B.Sc. -Chemistry, Dr. Dinesh Kumar Gupta	3	--	--
B.Sc.	UGCHE-07	Inorganic Chemistry III (Selected Topics In Inorganic Chemistry)	B.Sc. -Chemistry, Dr. Dinesh Kumar Gupta	1	--	--
B.Sc.	UGCHE-10	Advanced Analytical Techniques	B.Sc. -Chemistry, Dr. Dinesh Kumar Gupta	1	--	--
B.Sc.	Solid Waste Management (SWM)	Sources and Types of Municipal Solid Waste	B.Sc. -Chemistry, Dr. Dinesh Kumar Gupta	3	--	--

Honors & Awards			
Year of the Award/appointment	Name of the award or fellowship	Incentive given by OU in recognition of the award	Link for the relevant documents

Publications /Academic Activities (Numbers Only)								
Books & Monographs (Single Author)	1	Research Papers Published in International Journals	4	Papers Presented in Seminars/ Conferences	12	Seminars/ Conferences Organized	2	Research Projects (Completed)
Books (Co-authored)		Research Papers Published in Other Journals	1	Seminar/ Conferences Attended		Workshops Organized		Research Projects (Ongoing)
Books (Edited)	1	Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.		Sessions Chaired in Seminars/ Conferences	1	Membership of Academic/ Professional Bodies	4	Foreign Countries Visited for Academic Assignments
Chapters in Edited Books	3			Resource Lectures Delivered				
Publication on Distance Education								

Details of Publications /Academic Activities				
(a) Books / Monographs/Book chapters				
Year of Publication	Title of paper/Book	Publisher	ISBN	Co-Author (s) (if any)
2016	Synthesis and characterization of some modified Alkoxides and MOFs	LAP, LAMBERT Academic Publishing, Germany	978-3-659-82626-9	
2017	Advances of Software in Exploring Chemistry	COMMON GROUND PUBLICATION, University of Illinois, USA	978-1-44 3-40 004-4	
2019	Concept of Nanotechnology	LAP, LAMBERT Academic Publishing, RU	978-620-0-07999-2	
	Development of organic-inorganic hybrids and			Santosh Kumar

	modified alkoxides precursors for functionalized nanomaterials in support of adsorption and catalytic applications: An approach			and D. K. Sahu
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(b) Papers Published in Indexed/ Peer Reviewed Journals

<u>Year of Publication</u>	<u>Title</u>	<u>Journal</u>	<u>ISSN/ Indexing</u>	<u>Co-Author (s) (if any)</u>
2011	<i>Hydrothermal Synthesis, Structure and Photoluminescent Property of a novel Sodium- pyrazinyltetrazole framework compound</i>	Inorganic Chemistry Communications, 14 (2011) 1485–1488	1387-7003	Sadhana Singh, Peter Mayer, Ashutosh Pandey
2012	<i>Synthesis of superparamagnetic bare Fe₃O₄ nanostructures and core/shell (Fe₃O₄/alginate) nanocomposites</i>	Carbohydrate Polymers, 89, 3 (2012) 821–829	0144-8617	Manish Srivastava, Jay Singh, Madhu Yashpal, R. K. Mishra, Shipra Tripathi and Animesh K. Ojha
2012	<i>Solution Electrophoresis Technique in the Study of Biologically Important Fe(III)/ Ni(II) – Norvaline Binary Complex</i>	Inorganic Chemistry: An Indian Journal, 7, 3 (2012) 99-103	0974 - 746X	Praveen P. Singh, R. K. P Singh
2013	<i>Synthesis, Characterization and Photoluminescent Property of a Trinucleated Cadmium (II) Coordination Polymer Involving In Situ Ligand Reaction</i>	Journal of Chemical Crystallography 43, 2 (2013) 82-90	1074-1542	Sadhana Singh, H. Nöth and Ashutosh Pandey
2013	<i>Synthesis and structural characterization of some titanium butoxides modified with chloroacetic acids</i>	Transition Metal Chemistry, 38 (2013) 835-841	0340-4285	Subia Ambreen, Kiran Gupta, Sadhana Singh, Stephane Daniele, N. D. Pandey, Ashutosh Pandey

(c) Publication on Distance Education

<u>Title of Book/chapters published/edited Journal</u>	<u>Title of the paper</u>	<u>Title of the proceedings of the conference</u>	<u>Name of the conference</u>	<u>National / International</u>	<u>Year of Publication</u>	<u>ISBN/ ISSN no. of the publication</u>	<u>Affiliating Institute at the time of publication</u>	<u>Name of the publisher</u>	<u>Co-Author (s) (if any)</u>
	Digitalization would be noteworthy for Education, National Seminar on Emerging Trends in ICT January 30-31, 2017, Organized by School of Science, U.P. Rajarshi Tandon Open University Allahabad, 211021								

(d) Seminar/Conference Presentations

International

1. “Recent advances of MOFs in drug delivery: A review”

Dinesh Kumar Gupta

International Conference On Biological Sciences and Bio-Statistics (ICBS-2017), 09-10 March, 2017, organized by School of Sciences, U. P. Rajarshi Tandon Open University, Allahabad

2. “Effect Of Thickness on Optical and Photocatalytic Properties of Nb₂O₅ Thin Films Prepared By Sol- Gel Method”

Mohd. Danish, **Dinesh Kumar Gupta** and Ashutosh Pandey

“International Conference on Current Scenario and Future Prospects of Nanotechnology and Bio-Statistics (ICNB-2016), 25-26 February, 2016, organized by School of Sciences, U. P. Rajarshi Tandon Open University, Allahabad

3. “Green Synthesis of two novel Metal-Organic frameworks”

Ashutosh Pandey, Sadhana Singh, **Dinesh K. Gupta**

2nd International Indo German Symposium, on 29-31 Oct., 2012 organized by Institute of Chemical Technology and Leibniz Institute for Catalysis, at Mumbai, India

4. “An Efficient Synthesis of Biologically Active Pyrazine Linked Novel Hydrazones”

G.Thiyagarajan, P.Nithya, **Dinesh Kumar Gupta**, Ashutosh Pandey

“International Conference on Biologically Active Molecules (ICBAM-2012)” Gandhigarm Rural Institute- Dindigul, Tamil Nadu on 9-11 March, 2012 ISBN- 93-82062-03-3

5. “Synthesis and Characterization of Metal Oxides Nanomaterials using modified alkoxides as

Precursor”

Dinesh Kumar Gupta and Ashutosh Pandey

International Conference on Advanced Nanomaterials and Nanotechnology (ICANN-2009)”
during 09-11 Dec. 2009, Organized by Center for Nanotechnology, IIT-Guwahati, India.

6. “Toward Efficient Drug Delivery and Bio-Imagine through Metal Organic Frameworks” International Conference On Biological Research and Bio-Statistics(ICBRBS-2019)
29-30 April, 2019, organized by *School of Sciences*, U. P. Rajarshi Tandon Open University, Allahabad

National

1. “Advances of software in exploring Chemistry”
Dinesh Kumar Gupta
National Seminar On Applications of Scientific and Statistical Software in Research, 30-31 March, 2017, organized by School of Sciences, U.P. Rajarshi Tandon Open University, Allahabad, U.P., India
2. “Digitalization would be noteworthy for Education”
Dinesh Kumar Gupta
National Seminar on Emerging Trends in ICT
January 30-31, 2017, Organized by School of Science, U.P. Rajarshi Tandon Open University Allahabad, 211021
3. “Green ICT with Green Social Work”
Dinesh Kumar Gupta
National Seminar on Green Social Work on 11th March 2015 by School of Social Sciences, U. P. Rajarshi Tandon Open University, Allahabad
4. “Role of Science and Technology with management in the Development of Smart City”
Dinesh Kumar Gupta and Nishtha Gupta
“National Seminar on Technology & Management of Smart Cities: Issues and Opportunities” organized by School of Management Studies, U P Rajarshi Tandon Open University, Allahabad on 3rd May 2015.
5. One day Workshop on “Distance Education Community College” on 24 November, 2014, by U P Rajarshi Tandon Open University, Allahabad
6. Two day workshop on “Development of Self Learning Material” Organized by U P Rajarshi Tandon Open University, Allahabad on 12-13 February, 2014.
7. “Green Chemistry is an approach for Sustainable Development”
“National Seminar on Sustainable production of Nutritive Food” Organized by U P Rajarshi Tandon Open University, Allahabad on 11-12 December, 2013.
8. “Short term course on Soft Strategies for the Scalable Synthesis of Nanomaterials” during 27-31 May, 2013. Organized By Department of Chemistry, Motilal Nehru National Institute of Technology, Allahabad, Allahabad, India
9. “National Seminar on Science and Technology- Inclusive Innovation” during 5-6 Nov.2011, The Allahabad Chapter of Indian Science Congress Association (ISCA)
Organized by Department of Chemistry, University of Allahabad, Allahabad.
10. “National Symposium-cum-Workshop on X-ray Crystallography” during 08-09 March 2010, at Department of Chemistry, Banaras Hindu University, Varanasi, India,
Dinesh K Gupta, MNNIT, Allahabad.
11. “Recycling Helps to Maintain Soil Fertility”,
Dinesh Kumar Gupta,
7th Indian Agricultural Scientists & Farmer’s Congress, 19-20 Feb., 2005
at Sardar Ballabh Bhai Patel University of Agriculture & Technology, Meerut, India
Organized by Bioved Research & Communication Center, Allahabad, India.

(e) Resource Lectures Delivered

N/A

(f) Seminars/Conferences/Workshops Organized

1. International Conference On Biological Research and Bio-Statistics (ICBRBS-2019)
29-30 April, 2019, organized by School of Sciences, U. P. Rajarshi Tandon Open University, Prayagraj.
U. P. India
2. International Conference on Biological Sciences and Bio-Statistics (ICBS-2017),

Capacity -Organizing Secretary
09-10 March, 2017, organized by School of Sciences, U. P. Rajarshi Tandon Open University, Allahabad

3. **“International Conference on Current Scenario and Future Prospects of Nanotechnology and Bio-Statistics (ICNB-2016),**
Capacity- Organizing Secretary
25-26 February, 2016, organized by School of Sciences, U. P. Rajarshi Tandon Open University, Allahabad

(g) Public Service / University Service / Consulting Activity

N/A

(h) Memberships of Academic/Professional Bodies

1. **Member/Secretary of Board of Studies, Subject-Chemistry, U.P. Rajarshi Tandon Open University, Allahabad, Since 2013 to Till date**
2. **Reviewer: Applied Biochemistry and Biotechnology (An International Peer Reviewed Research Journal), Springer International Publishing, Since 2015 to Till date**
3. **Editorial Board Member: Advanced Scientific Research, Allahabad (An International Peer Reviewed Research Journal Of Science And Technology) (ISSN: 2456-7744) Since 2015 to Till date**

(i) Articles

N/A

(j) Professional Development Programme viz Orientation, Refresher, FDP attended (Title, duration, University/Institute where attended)

Projects (With Title, Year, Grants, Funding Agency and Collaborations)

Sr. No.	Name of the Project/ Chairs	Name of the Principal Investigator / Co-investigator	Name of the funding agency	Type (Government /Non-Government)	Department /School of Principal Investigator /Co-investigator	Year of award	Funds provided (INR in rupees)	Duration of the project

Administrative Positions/Assignments Held

1. **Member/Secretary of Board of Studies, Subject-Chemistry, U.P. Rajarshi Tandon Open University, Allahabad, Since 2013 to Till date**

Academic Foreign Visits

N/A

Any Other Details

N/A

Signature of Faculty Member
(in Hard Copy Only)

Note: Please submit this file to E-mail ID: iqacuprtou@gmail.com through your own E-mail ID. Also submit the hard copy of the profile to the Director IQAC/ Director School of Management Studies