



Multanimal Modi College

Modinagar-201204 (U.P.)

(Affiliated to Ch. Charan Singh University, Meerut)
(For Teaching Staff)

Title	Dr.	First Name	RAJPAL	Last Name	TYAGI	Photograph
Designation		ASSISTANT PROFESSOR				
Department		CHEMISTRY				
Address (Campus/ Department)		MULTANIMAL MODI COLLEGE, MODI NAGAR -201204				
(Residence)		H.NO.-233,SEHANI,MEERUT ROAD GHAZIABAD (U.P)-201003				
PhoneNo(Campus)		9910487244				
(Residence)optional						
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Email		tyagirajpal25@gmail.com				
Web-Page		www.mmcollegemodinagar.org				

EDUCATIONAL QUALIFICATIONS

Subject	Institution	Year	Details
Ph.D.	M.M.H. COLLEGE, GHAZIABAD, C.C.S. University, Meerut	2003	STUDIES ON AIR POLLUTION IN GHAZIABAD AND MEERUT AREA OF NATIONAL CAPITAL REGION WITH SPECIAL REFERENCE TO MEASUREMENT OF SULPHATION RATE, SULPHUR-DI-OXIDE, SUSPENDED PARTICULATE MATTER AND DUST FALL.
M.Sc.	M.M.H. COLLEGE, GHAZIABAD	1999	ORGANIC CHEMISTRY
B.Sc.	M.M.H. COLLEGE, GHAZIABAD	1996	CHEMISTRY, ZOOLOGY, BOTANY

CAREER PROFILE

Organisation/ Institution	Designation	Duration	Role(s)
MULTANIMAL MODI COLLEGE, MODI NAGAR - 201204	ASSISTANT PROFESSOR	2019-Till Date	TEACHING

Research Interests/Specialization:

ENVIRONMENTAL CHEMISTRY, ORGANIC CHEMISTRY

Analytical Chemistry

Teaching Experience (Subjects/Courses Taught):

18 YEARS EXPERIENCE, ORGANIC CHEMISTRY, INORGANIC CHEMISTRY, PHYSICAL CHEMISTRY UP TO U.G. CLASSES AND INORGANIC CHEMISTRY AND ENVIRONMENTAL CHEMISTRY UP TO PG CLASSES

Orientation Courses/Refresher Courses/FDP:

Training Course, RC, OC				
S. No.	Programme	Duration	Organized by	Any other
1.	ORIENTATION PROGRAMME	3 WEEKS (JAN-03, 2020 TO JAN-23, 2020)	CPDHE (UGC-HRDC) DELHI UNIVERSIT.	A+
2.	REFRESHER COURSE	2 WEEKS (OCT-27, 2020 TO NOV-10, 2020)	CPDHE (UGC-HRDC) DELHI UNIVERSIT	A

Honors & Awards:

1. SCIENCE EXHIBITION-1992 -1993. SILVER MEDAL
2. CIVIL DEFENCE CORE GHAZIABAD- MIN.OF.HOME, GOVT.OF INDIA.-GOLD MEDAL{2003}
3. PARYAVARAN RATN -2014- BY NGO VISHV MITRA PARIVAR,DELHI.

Publications(Last FIVE(05) Year Publications,

Year Of Publication	Titl e	Journal	Co-Author(s)
2022	SEASONAL VARIATION IN PHYSICO-CHEMICAL QUALITY OF HINDON CANAL	JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEACH(JETIR) VOL.9,ISSUE7.ISSN-2349-5162	SAPNA SAXENA
2022	STUDIES ON TRANSITION METAL COMPLEXES OF MACROCYCLIG AND DERIVED FROM 2,6-DIBENZOYL PYRIDINE DIHYDRAZONE.	IJIRT-VOLUME-8,ISSUE 12/ISSN NO.2349-6002.	MAMTA GUPTA, MAYANK
2022	STUDY OF THE SYNERGETIV BEHAVIOR OF SURFACE ACTIVE IONIC LIQUID (SAIL), N-ALKYL-N-CARBOXYETHYL IMIDAZOLIUM INNER SALTS (ACIIS) AND SODIUM DODECYL SULFATE(SDDS) IN AQUEOUS SOLUTION.	IJARIE VOL.8,ISSUE -1, ISSN{0}-2395-4396	RAJPAL TYAGI, MAMTA GUPTA, DEEPSHIKHA
2021	DETERMINATION.OF ORGANOCHLORINE.AND ORGANOPHOSPHOURS PESTICIDES IN RICE AND WHEAT	IJIRT VOL.8,ISSUE 7; ISSN:2349-6002	MAMTA GUPTA, MAYANK, DEEPSHIKHA
2021	BIOMIMETIC OXIDATION OF PICOLINES AND RELATED COMPOUNDS WITH H ₂ O ₂ CATALYZED BY MANGANESE(III)5,10,15,20-TETRAARYL PORPHYRINS	JETIR VOL8,ISSUE11; ISSN:2349-5162	RAJPAL TYAGI, DEEPSHIKHA, MAYANK.
2021	A TAXONOMIC COMPARISON OF BIOLOGICAL WATER QUALITY OF HINDON CANAL AND GANG CANAL.	IJIRT VOL.8,ISSUE6: ISSN:2349-6002	SAPNA SAXENA
2021	STUDIES ON ACCUMULATION OF HEAVY METALS BY VEGETATIVE CROP(BRINJAL,TOMATO AND PATATO)PLANT PARTS.	JETIR VOL.8,ISSUE11: ISSN:2349-5162	RAJPAL TYAGI
2021	DUST FALL RATE IN GHAZIABAD AREA OF NATIONAL CAPITAL REGION.	WJPPS VOL.10,ISSUE 7: ISSN:2278-4357	-

2021	STUDIES ON DETERMINATION OF ORGANOCHLORINE AND ORGANOPHOROUS PESTICIDES IN RICE	WJPPS VOL.10,ISSUE 6: ISSN:2278-4357	NIDHI BANSAL
2016	SYNTHESIS, SPECTRAL STUDIES AND POTENT ANTIMICROBIAL ACTIVITY OF A SERIES OF SUBSTITUTED CHALCONES	IJRANSS VOL.4,ISSUE 10: ISSN:2347-4580	RAJPAL TYAGI, C.L.JAIN
2015	STUDY OF CARBON MONOXIDE IN AMBIENT OF DELHI	WJPPS VOL.4,ISSUE 3: ISSN:2278-4357	RAJPAL TYAGI,MUKESH CHAND,ARUN KUMAR,PREETI TEOTIA,SONIA TYAGI
2014	MONITORING OF PARTICULATE MATTER(SPM,RSPM,DUST FALL) IN AMBIENT AIR OF GHAZIABAD AND MEERUT AREA OF NATIONAL CAPITAL REGION , INDIA	IJRANSS VOL.2,ISSUE 1 ISSN(E):2321- 8851 ISSN(P):2347- 4580	NEETU TOMAR R.S. TYAGI AND S.K. TYAGI
2013	SULPHATION RATE IN GHAZIABAD AND MEERUT AREA OF NATIONAL CAPITAL REGION	IJANS VOL. 2 , ISSUE 2 ISSN:2319-4014	NEETU TOMAR
2013	SYNTHESIS , SPECTRAL ANALYSIS AND CHARACTERISATION OF SUBSTITUTED BISQUINOLINE AND THEIR ANTIMALARIAL ACTIVITY	ACTA CIENCIA INDICA VOL.XXXIX No.3,81	RAJPAL TYAGI C.L.JAIN
2010	STUDIES ON ORGANOCHLORINE PESTICIDE RESIDUES IN HINDON RIVER SURFACE WATER OF GHAZIABAD	INTERNATIONAL JOURNAL OF APPLIED ENVIRONMENTAL SCIENCES VOL.5,No.1 ISSN:0973-6077	NIDHI SHARMA R.P. TYAGI , D.S.JADON
2007	PHYSCOCHEMICAL CHARACTERISTICS IN BIOLOGICAL WATER QUALITY OF RIVER HINDON OF ITS ORIGIN POINT UPSTREAM GAGALHERI TO DOWNSTREAM MAHESHPUR	J.EXP.ZOOL.INDIA VOL.10,No.1 ISSN:0972-0030	RAJPAL TYAGI PRATIMA AKOLKAR M.P.ARORA
2006	BIOASSESSMENT OF WATER QUALITY OF RIVER HINDON IN UTTAR PRADESH(INDIA)	J.EXP.ZOOL.INDIA VOL.9,No.2 ISSN:0972-0030	RAJPAL TYAGI PRATIMA AKOLKAR M.P.ARORA
2006	OCCURANCE OF BENTHIC MACRO-INVERTEBRATE FAMILIES ENCOUNTERED IN RIVER HINDON IN UTTAR PRADESH(INDIA)	J.EXP.ZOOL.INDIA VOL.9,No.1 ISSN:0972-0030	RAJPAL TYAGI PRATIMA AKOLKAR M.P.ARORA

Book(s)

2022	Elements of Biotechnology SBW PUBLISHER ISBN:978-93-93587-00-8
2021	Principles of Bio Chemistry SBW PUBLISHERS ISBN:978-93-93587-03-9
2018	Fundamentals of Organic Chemistry SBW PUBLISHERS ISBN:978-81-85708-88-1
2018	Advanced Inorganic Chemistry SBW PUBLISHERS ISBN:978-81-85708-87-4
2015	Inorganic Chemistry SBW PUBLISHERS ISBN:978-81-85708-50-8
2015	Air Pollution Chemistry SBW PUBLISHERS ISBN:978-81-85708-29-4
2005 REPRINTED: 2013	Organic Reactions(Mechanism with Problems) DISCOVERY PUBLISHING HOUSE ISBN:81-8356-012-1

Conference Presentations: National / International

Paper Presented in Conferences/Seminars/ Workshops/Symposia

S. No.	Title of Paper Presented	Title of Conference, Seminar etc.	Organized by	Date	National/International	Any other
1.	Emerging trends in public procurement	Emerging trends in public procurement	Indian Institute of Material Management	May 28,2022	National	
2.	Biochemical Analysis of Active Constituents and their utility	Promotion of Crude Drugs based on Herbal Medicinal Plants for Livelihood for Rural Unemployed Youths	Department of Botany,Multani mal Modi College , Modinagar,U.P .	March15-April 17,2021	National	Chaired the session
3.	Biochemical Analysis of Active Constituents and their utility	Promotion of Crude Drugs based on Herbal Medicinal Plants for Livelihood for Rural Unemployed Youths	Department of Botany,Multani mal Modi College , Modinagar,U.P .	March 15-April 17,2021	National	Delivered lecture as a resource person
4.	_____	Intellectual Property Rights Laws:Concepts, Applications and Issues	IPR Cell,Multani - mal Modi College,Modinagar	February 29,2020	National	Member of organizing committee
5.	Air Pollution Control	Recent Trends in Interdisciplinary Research	IQAC,Multani mal Modi College	January 31,2020	National	
6.	Environmental Sustainable Development	Environmental Issues in Contract Management	Indian Institute of Material Management	April 25,2019	National	Presented as Resource Person
7.	Some important Medicinal Plants and their Applications	Recent Trends of Research in Medicinal Plants and Applied Sciences	Department of Botany,Ramjas College,University of Delhi	March 27,2019	National	
8.	_____	Drafting of Contract and Legal Aspects of Contracts	Indian Institute of Material Management	August 7,2018	National	Attended
9.	Study of Suspended Particulate Matter	Recent Trends in Applied Physical,	PCME	2015	International	

	in Ambient of Delhi	Chemical Sciences,Mathematical /Statistical and Environmental Dynamics				
10.	Synthesis and Characterisation of some important Dendrimers	Recent Trends in Interdisciplinary Sciences:Opportunities and Challenges	Faculty of Science,Multanimal Modi College	February 28-March 01,2014	International	was also an organising committee member
11.		Role of CST UP in Promotion of Science and Technology and Facilitation of IPR Protection	CST ,U.P. and IPR Cell,C.C.S. University, Meerut	March 18,2015	National	
12.	Concentration of Benzene ,Toluene and Xylene in Ambient Air of National Capital,Delhi	Innovations in Science and Technology for Inclusive Development	Department of Chemistry , C. C.S University, Meerut And The Indian Science Congress Association Haridwar Chapter	March 22-23, 2014	National	
13.	Evaluation of some Polyelectrolytes as a Coagulant Aid for Waste Water Treatment	Climate Change and Sustainable Management of Natural Resources	ITM Univwrsity , Gwalior,M.P.	February 05-07, 2012	National	
14.	Studies on Design and Synthesis of some Novel Heterocyclic Chalcone Derivatives and their Biological Activities	Novel Developments in Medicinal Chemistry	Department of Chemistry, Mewar University , Chittorgarh, Rajasthan	April 19,2011	National	
15.	Synthesis and Characterisation of Substituted Chalcones Derivatives as Potential Antimicrobial and Antimalarial	Green Chemistry:An Approach to meet The challenges of Sustainability	Department of Chemistry ,M.M.H College, Ghaziabad	22-23 January,2011	National	

	agents					
16.	Synthesis and Potent Antimicrobial Activity of Quinoline Derivatives of Chalcones	Recent Aspects of Biological and Medicinal Chemistry	Department of Chemistry, L.R.(PG) College, Sahibabad, Ghaziabad	20-21 February,2010	National	
17.	Measurement of Benzene and Polycyclic Aromatic Hydrocarbons in Ambient Air in Ghaziabad and Modinagar During -2004	Asian Aerosol Conference	Indian Aersol Science and Technology Association C/o Environmental Assessment Division BARC, Mumbai	December 2005	Internati onal	
18.	Status of Ambient Air Quality of Ghaziabad City	Akhil Bhartiya Vigyan Sammelan	National Physical Laboratory, New Delhi	February 21,2004	National	
19.	Status of Ambient Air Quality of Meerut City	New Trends towards Sustainable Agriculture	M. M.H College, Ghaziabad	7-11 April ,2002	Internati onal	
20.	Status of Air Pollution Quality Monitoring in Ghaziabad and Meerut Area of National Capital Region	On Science and Technology	Alena Chemicals of Canada	1-2 November, 2001	Internati onal	
21.	Pollution Measurement and its Control	Status of Indian Environment	Action for Sustainable ,Efficacious Development and Awareness (ASEA), Rishikesh and Department of Zoology and Environmental Science, GKV, Hardwar	27-28 May,2001	National	

Public Service/University Service/Consulting Activity				
Technical Expert to guide and train the chemist of Newton Consultants and Laboratories, Delhi Meerut Road, Merta, Ghaziabad				
Professional Societies Memberships				
In Indian Institute of Material Management				
Projects(Major Grants/Collaborations)				
1.Project on Ambient Air Quality Monitoring at BSZ Marg(ITO) Delhi with Central Pollution Control Board-2000 2. Project on Pollution Measurement and its control in Distt. Ghaziabad with Regional Office U.P. Pollution Control Board-2004				
Name(s) & Number(s) of PhD Students Supervised and Awarded with year:				
S.No.	Name of PhD Scholar	Date of Registration	Date of Award	Title of Thesis
Any other information(s):				
PATENT on Compressed Air Operated Engine Technology Certificate no.-IN-DL88075646299134L Certificate issued on-November 16,2013				

(Signature of Faculty Member)

(Signature & Stamp of Teacher In-Charge/Principal)

The point which is not desirable/applicable, strike out or delete.