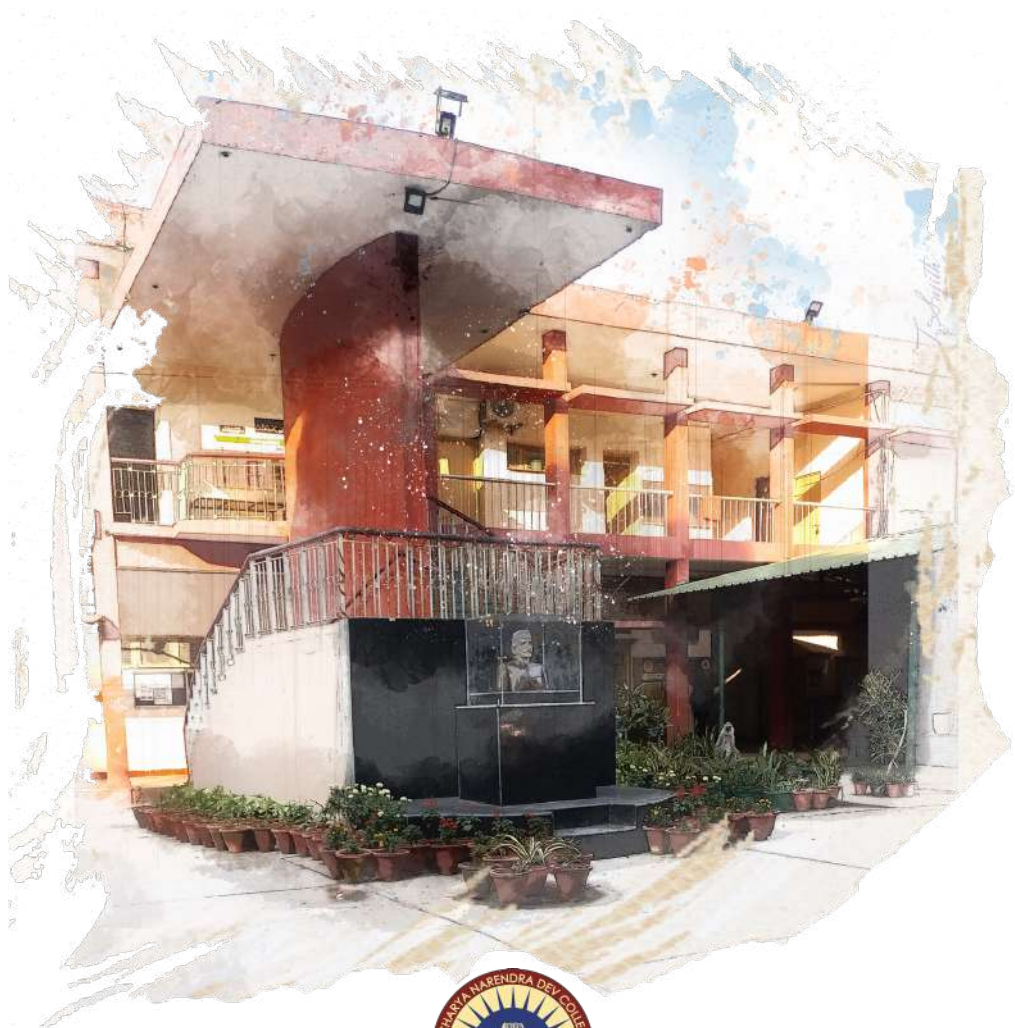


Department of Chemistry  
**Prof. Dinesh Kumar Arya**

2017-2023




**Acharya Narendra Dev College**  
University of Delhi



### Faculty Details Proforma for DU College Website



<b>Title</b>	<b>Dr.</b>	<b>First Name</b>	<b>Dinesh Kumar</b>	<b>Last Name</b>	<b>Arya</b>	<b>Photograph</b> 
<b>Designation</b>	Professor					
<b>Department Address</b>	Chemistry Acharya Narendra Dev College, (University of Delhi), Govind Puri, Kalkaji New Delhi-110019					
<b>Phone No Office</b>	011-26412547, 011-26293224, 011-26294542					
<b>Fax</b>	011-26294540					
<b>Residence</b>	H. No-271, Fourth floor, Bal Mukund Khand, Kalkaji, New Delhi-110019					
<b>Mobile</b>	+91-98181263641,8619628861					
<b>Email/Web-Page</b>	<a href="mailto:dinesharya@andc.du.ac.in">dinesharya@andc.du.ac.in</a>					
<b>Educational Qualifications</b>						
<b>Degree</b>	<b>Institution/ University</b>				<b>Year</b>	
B.Sc.	University of Rajasthan, Jaipur				1998	
M.Sc. (Chemistry)	University of Rajasthan, Jaipur				2001	
Ph.D.	University of Rajasthan, Department of Chemistry, Jaipur				2010	
<b>Career Profile</b>						
<ul style="list-style-type: none"> <li>• Teaching in AND college for the last 17 years. In addition to teaching,</li> <li>• I have a great interest in Research also. Published Various research publications in various national/international journals.</li> <li>• Worked as Professor from 22/06/2022 to today</li> <li>• Worked as Associate Professor from 08/08/2018 to 21/06/2022</li> <li>• Worked as Assistant Professor from 18/10/2006 to 07/08/2018</li> <li>• Worked as Assistant Professor (Adhoc) From 07/08/2006 to 16/10/2006</li> </ul>						

- Worked as Teacher-In charge of the Department of Chemistry from 2020 to 2022
- Worked as Liaison Officer of the College from 2019 to 2021
- Worked as SC/ST Convenor of the College from 2019 to 2021
- Worked as Proctor of College, from 2019 to 2022
- Worked as Convenor, Enabling Committee of College for 2015 & 2019
- Worked as SC/ST Observer, Departmental Selection Committee of the College from 2014 to 2018
- Worked as Convenor, Abhikriya (the chemistry society), from 2013 to 2016
- Worked as Convenor, Canteen Committee of the College, from 2010 to 2012

#### Areas of Interest / Specialization

- My research area of interest is "Heterocyclic Chemistry and Multicomponent Reactions".
- My area of specialization is "Inorganic Chemistry".

#### Subjects Taught

- B.Sc. (H.) Chem. I Sem, Inorganic Chemistry, Theory and Practical
- B.Sc. (H.) Chem. II Sem, Inorganic Chemistry, Theory and Practical
- B. Sc. Prog. Physical Sciences, IV Sem, Theory / Practical
- B.Sc. Prog. Physical Sciences, VI Sem, Practical
- B.Sc. Prog. Life Science II Sem, Chemistry Practical
- B.Sc. (Hons) VI Sem, Chemistry Practical

#### Scholarships and Awards

- Council of Scientific & Industrial Research-National Eligibility Test (CSIR-NET) (12/2003)

#### Orientation/refresher/FDP course attended

Name of Course	Institution	Duration	Sponsored by
FDP Course on ICT-based learning developing MOOCS for teaching process in higher education	TLC, Ramanujan College, University of Delhi	From 29-12-2020 to 04-01-2021	UGC Sponsored
Faculty development program-02	Guru Angad Dev Teaching Learning Centre of MHRD,	From 26/11/2018 to 07/12/2018	UGC sponsored
Refresher course in Climate change and environmental studies	Interdisciplinary for science and environmental	From 08/10/2018 to 27/10/2018	UGC sponsored
Refresher Course in Chemical and Pharmaceutical Sciences	HRDC, University of Rajasthan Jaipur	From 04-09-2017 to 23-09-2017	UGC sponsored
Refresher Course in Convergence of Sciences	HRDC, University of Rajasthan Jaipur	From 18-07-2016 to 06-08-2016	UGC sponsored
Orientation Course OR-61	CPDHE (ILL), University of Delhi	From 03-10-2009 to 31-10-2009	UGC sponsored

**Published Research articles/Papers in Journals/Periodicals**

1	Arya D.K.* <sup>1</sup> , Verma A <sup>2</sup> , Singh D. <sup>3</sup> and Kachhawa J.B.S.4. Synthesis of 4H-1,4-Benzothiazine-1,1-dioxides (Sulfones)), Medicinal Drug Research Year: 2013; ISSN: 2321-4562, Volume: 1(2), Page: 5-9
2	Dinesh Kumar Arya <sup>1</sup> , Asha Verma <sup>2</sup> , Dharmendra Singh <sup>3</sup> and Jai Bahadur Singh Kachhawa <sup>4</sup> , A review on pharmacological /biological activities of different derivatives of phenothiazines, International Journal of Environment & Animal Conservation, Year-2013; ISSN:2249-5185, Volume -02 (2), Page 24-31
3	<sup>1</sup> Ravi Kumar, <sup>2</sup> Dinesh Kumar Arya, <sup>3</sup> Nouratan Singh*Comparative Study of Heavy Metal Concentrations in Yamuna River Sediment and Other Rivers, Journal of Pharmaceutical and Biomedical Analysis Letters, JPBMAL, Year- 2016, ISSN: 2347-4742, Volume 4(2): page 107-115
4	Ravi Kumar* <sup>1</sup> , <sup>2</sup> Dinesh Kumar Arya and <sup>3</sup> Nouratan Singh, Development of New Trends in Removing Heavy Metals from Yamuna River in India, International Journal of Current Trends in Pharmaceutical Research, IJCTPR, the Year 2016, ISSN: 2321-3760. Volume 4(5): page 253-263
5	<sup>1</sup> Ravi Kumar, <sup>2</sup> Dinesh Kumar Arya and, <sup>3</sup> Nouratan Singh, <sup>4</sup> Hridayesh Kumar Vats, Removal of Cr (VI) Using Low Cost Activated Carbon Developed by Agricultural Waste, IOSR Journal of Applied Chemistry (IOSR-JAC) Year 2017, e-ISSN: 2278-5736. Volume 10 (1) page 76-79
6	Asha Verma <sup>1</sup> , Dinesh Kumar Arya <sup>2</sup> and Raaz K. Maheshwari <sup>3*</sup> . Chemistry and Pharmacology of Miraculous Echinacea purpurea L. J. Biol. Chem. Research. Year 2020 Vol. 37, No. 1, page 180-187,
7	Rajesh Kumar Meena* <sup>1</sup> , Rishikesh Meena <sup>2</sup> , Dinesh Kumar Arya <sup>3</sup> , Sapana Jadoun <sup>4</sup> , Renu Hada <sup>5</sup> and Roopa Kumari <sup>6</sup> , Synthesis of Silver Nanoparticles by Phyllanthus emblica Plant Extract and their Antibacterial Activity, Material Science Research India ISSN: 0973-3469, Year 2020 Vol.17, No. (2), Page.1-10.
8	Vipin Malik <sup>1</sup> , Laishram Saya <sup>2</sup> , Drashya Gautam <sup>1</sup> , Shallu Sachdeva <sup>3</sup> , Neelu Dheer <sup>3</sup> , Dinesh Kumar Arya <sup>3</sup> , Geetu Gambhir <sup>1</sup> , Sunita Hooda <sup>1</sup> , Review on adsorptive removal of metal ions and dyes from wastewater using tamarind-based bio-composites, Polymer Bulletin ISSN: 1436-2449 <a href="https://doi.org/10.1007/s00289-021-03991-5">https://doi.org/10.1007/s00289-021-03991-5</a> , Year 2022
9	P. L. Meena <sup>1*</sup> , Yogesh Kumar <sup>1</sup> , Pooja Bhardwaj <sup>2</sup> , Mahaveer Genwa <sup>3</sup> , Dinesh Kumar Arya <sup>4</sup> , Asha Verma <sup>5</sup> and Surinder P. Singh <sup>6</sup> , Wet Chemical Growth of One Dimensional ZnO Film, Rasayan Journal of Chemistry Vol. 15 (1)  January - March   2022, ISSN: 0974-1496   e-ISSN: 0976-0083   Page 423-431
10	Madhur Babu singh Pallavi Jain Jaya Tomar Vinod Kumar Indra Bahadur Dinesh Kumar Arya Prashant Sing, an in-Silico investigation for acyclovir and its derivatives to fight the COVID-19: Molecular docking, DFT calculations, ADME and td-Molecular dynamics simulations, journal of the Indian Chemical Society Volume 99 Year 2022 ISSN: 0019-4522, page 01-08
11	Savita Bargujar <sup>1</sup> , Geetu Gambhir <sup>2*</sup> , Madhu Bala Raigar <sup>1</sup> , *, Sunita Hooda, Dinesh Kumar Arya <sup>2</sup> , Mamta Bhatia <sup>3</sup> A new polysaccharide-based ion-exchange resin for industrial wastewater treatment DOI: <a href="https://doi.org/10.14314/polimery.2022.5.4">dx.doi.org/10.14314/polimery.2022.5.4</a>
12	Nouratan Singh* <sup>1</sup> , Poonam Rani <sup>2</sup> , Neeraj Tandan <sup>3</sup> , Dinesh Kumar Arya <sup>4</sup> & Ansuman Mahato <sup>5</sup> , uhplc analysis of polycyclic aromatic hydrocarbons (pah) compounds from the soil by quenchers aoac method from Manesar industrial area, Haryana, India, Journal of Microbiology, Biotechnology and Food Sciences. Volume 12 (2) Year 2022 ISSN: e-5861, page 01-05

<b>Workshops and Symposium</b>				
<b>S. No.</b>	<b>Title of Presented Paper</b>	<b>Details of Conference/ Seminar/workshop/Symposia</b>	<b>Whether Corresponding/first/ Co-Author</b>	<b>Whether International/ National</b>
01.	Metal ion and dye adsorption from tamarind-based bio-composites for Wastewater treatment	International Conference on Emerging Trends in Plant & Environment Sciences organized by Department of Botany, University of Rajasthan, Jaipur, India from February 02-04,2023.	First	International Conference
02.	Green synthesis of Silver Nanoparticles by Phyllanthus emblica plant extract and their Optical properties	International Conference on Renewable Energy organized by Centre for non-conventional Energy resource, University of Rajasthan, Jaipur, India from February 25-27,2022.	First	International Conference
03.	COVID-19 Challenges and opportunities	Participated in a National webinar organized by GovindGuru tribal university, Banswara, Rajasthan, on 30 June 2020.	First	National Webinar
04.	Impact Ceramic Research: funding opportunities and Challenges in Framing Successful	Participated in a National webinar organized by Shivaji College, University of Delhi on July 11, 2020.	First	National Webinar
05.	Demographic assistances to a political transformation: a new dimension of women empowerment.	International Seminar on Revisiting Nationalism, Multiculturalism & Democracy Kirori Mal College, University of Delhi, 1st November,2019	First	International Seminar
06.	DFT calculation study of various nanoparticles.	International conference on recent advances at the interface of physical and life science (RAIPLS-2019) organized by the Department of Chemistry, University of Rajasthan, Jaipur, January 29th, 2019	First	International Conference
07.	Synthesis and Spectral Study Via Smiles Rearrangement	National Conference on Recent Advances at Interfaces of Physical and Life Sciences RAIPLS- 7 <sup>th</sup> July 2018	First	National Conference
08.	Application of Intellectual property rights	A one-day workshop on the Intellectual Property Rights Awareness and training program organized by the Department of Chemistry, University of Rajasthan, February 24 <sup>th</sup> ,2018.	First	Invited Lecture
09.	Women's reservation in India	International seminar on gender sensitization equality and women empowerment: Continuity and changes, organized by RGSC, Delhi Unit, KMC, University of Delhi on 29-01-2018.	First	International Seminar
10.	Oxidation behaviors of 10-H-Phenothiazines	National workshop on instrumentation techniques for research in chemical science organized by Kanoria PG Mahila Mahavidyalaya, Jaipur, 22 <sup>nd</sup> to 23 <sup>rd</sup> Dec. 2017.	First	National Workshop
11.	Synthesis and Spectral Studies of Novel Nitro phenothiazines	International Conference on Frontiers at the Chemistry-Allied Sciences Interface. organized by the Center of advanced study, Department of	First	International Conference

		Chemistry, University of Rajasthan, Jaipur 22nd July 2017		
12.	Synthesis, Spectral Characterization of 10H-Fluorinated Phenothiazines.	Global Environmental Challenges: Present Scenario, 21st January 2017	First	National Symposium
13.	Synthesis and characterization of substituted 4H-1,4-benzothiazine-(Sulfones)	National Seminar on Recent Trends in chemical sciences; Global Opportunities and Challenges organized by Department of Chemistry, Shri Govind Guru Government College, Banswara (Rajasthan.) held on 18-19 Jan. 2016	First	National Seminar
14.	Synthesis of 10H-Phenothiazines, 4H-1,4 Benzothiazines, their Ribofuranosides and Sulfones.	3rd International Conference on Heterocyclic Chemistry organized by Department of Chemistry, University of Rajasthan, Jaipur from 10 <sup>th</sup> to 13 <sup>th</sup> Dec. 2011	First	International Conference
15.	Antimicrobial activity of some new bioactive substituted, 4H-1,4 Benzothiazines and their Sulfone Derivatives.	2nd International Conference on Heterocyclic Chemistry organized by Department of Chemistry, University of Rajasthan, Jaipur from 16 <sup>th</sup> to 19 <sup>th</sup> Dec. 2006.	First	International Conference

#### Research Projects (Major Grants/Research Collaboration)

#### Awards and Distinctions

S. No.	Name of Award/Honor*	Area / Subject	Name of Awarding Body	Level (International /National)	Date
1	Proud Indian Inspiring Teacher Award 2022	Inorganic Chemistry	International Multidisciplinary Research Foundation	National	January, 26 <sup>th</sup> , 2022
2	Indo-Asian Research Excellence Award 2022	Inorganic Chemistry	Ratna Prasad Multidisciplinary Research & Educational Society	National	February, 28 <sup>th</sup> , 2022

#### Association With Professional Bodies

#### Other Activities

#### Chapter in Edited Books

S. No.	Title of Edited Book	Title of Chapter	Authorship *	Publisher (with city/ country & year of Publication)	ISBN	Whether Refereed
1.	New Horizons in Life Science	Biological and Physical Applications of Silver Nanoparticles	Joint Author	Vital Biotech Publication 772, Basant Vihar, Kota, Rajasthan-324009 India, 2022	ISBN: 978-93-92953-00-2	Yes
2.	New Horizons	The Impact of Climate Change	First Author	Vital Biotech	ISBN: 978-	Yes

	in Life Scienc e	on human health in India: An Overview		Publication 772, Basant Vihar, Kota, Rajasthan- 324009 India, 2022	93-92953-00- 2	
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Signature of Faculty Member