



MAHARAJA AGRASEN COLLEGE
University of Delhi
VASUNDHARA ENCLAVE, DELHI-110096



Curriculum Vitae of Faculty Members

First Name	Vandna	Last Name	Soni		
Designation	Assistant Professor	Department	Chemistry		
Date of Birth	30.08.1975	Date of Joining	28.04.2007		
Residential Address (Optional)	229, Double Storey, New Rajinder Nagar, New Delhi - 110060				
Contact No	9811881402	Alternate Contact No			
Email Id vandnaarora@yahoo.com					
Education					
Subject	Institution	Year	Details		
Ph.D	I.I.T. Delhi	2004	Title of the Thesis : Studies Directed Towards Development of New Molecular Diagnostics.		
M.Phil	--	--			
Masters	I.I.T. Delhi	1998	MSc Chemistry		
Graduation	Delhi University	1996	BSc (H) Chemistry, Hindu College, Delhi University		
Any other	CSIR-UGC NET	2000	June 2000		
Career Profile (in reverse chronological order)					
Organization/ Institution	Post Held	Department	Adhoc/Temp/ Permanent	From	To
Maharaja Agrasen College, DU	Senior Lecturer	Chemistry	Permanent	14.01.2008	Till Date
Maharaja Agrasen College, DU	Lecturer	Chemistry	Permanent	28.04.2007	13.01.2008
Maharaja Agrasen College, DU	Lecturer	Chemistry	Adhoc	27.01.2006	27.04.2007

Dayal Singh College, DU	Lecturer	Chemistry	Adhoc	9.08.2005	17.01.06
Hindu College, DU	Lecturer	Chemistry	Adhoc	23.7.2004	18.07.2005
ARSD College, DU	Lecturer	Chemistry	Adhoc	16.10.2003	22.07.2004

Administrative Assignments if any (kindly mention only statutory posts)

Fellow, Chemistry at ILL, DU (01.01.2009 – 31.12.2009)

Convenor, Practical Exams (2016-17 ; 2017-18)

Convenor, Annual Day Committee (2012-13 ; 2013-14)

Convenor, Time Table Committee (2015-16 ; 2016-17)

Convenor, Attendance Committee (2014-15 ; 2015-16)

Teacher-Incharge, Department of Chemistry (2008-till date)

Member of various committees : Library, Workload, Admission, Lab, Infrastructure, Time Table, ECA, BSc Physical Science, examination, ICT etc.

Research Guidance

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| 1. Supervision of awarded Doctoral Thesis | (no.) |
| 2. Supervision of Doctoral Thesis, under progress | (no.) |
| 3. Supervision of awarded M.Phil dissertations | (no.) |
| 4. Supervision of M.Phil dissertations, under progress | (no.) |

Details of Published Research Papers, Books, Monographs, Reviews, Chapter in Books, Translations and Creative Positions held

BOOKS:

1. **“Coordination Chemistry: Metal Complexes”**

Dr. P.L.Soni and Dr. Vandna Soni, *CRC Press*, 2013, Published by Anne books, ISBN No. 1466500506.

2. **“Inorganic Chemistry: Concepts & Main Group Elements”**

Dr. P.L.Soni and Dr. Vandna Soni, 2017, Published by Manakin Press, ISBN No. 9789386221254.

3. **“The Chemistry of Coordination Complexes & Transition metals”**

Dr. P.L.Soni and Dr. Vandna Soni, 2019, Published by Manakin Press, ISBN No. 9788193877203.

JOURNALS:

1. “Electrical and thermal conductivity of polyvinylidene fluoride (PVDF) – Conducting Carbon Black (CCB) composites: Validation of various theoretical models”

Ranvijai Ram, Vandna Soni and Dipak Khastgir

2. “Calixarenes as Sensor Materials for Recognition and Separation of Metal Ions”

Vandna Arora, H.M. Chawla and Sunil Pratap Singh

ARKIVOC, **2007**(ii),172-200. ISSN No. 1424-6376, IF: 1.165

3. “Synthesis of New formylated calix[4]arene and X-ray Structure”

V. Arora, H. M. Chawla and G. Hundal

Journal of Chemical Crystallography, Vol. 34, **2004**, 465 – 469. ISSN No. 1074-1542, IF:0.566

4. “Synthesis of Selectively Formylated Calixarene Ethers”

Vandna Arora, H.M. Chawla and Anuradha Santra

Tetrahedron, Vol. 58, **2002**, 5591 – 5597. ISSN No. 0040-4020, IF: 2.645

5. “Poly Aluminium Chloride -An Attractive Alternate Flocculant for Drinking and Effluent Waters”

H.M. Chawla and Vandna Arora

Everything About Water, **2002**, 59 – 60.

6. “Synthesis of a New Cesium Selective Calix[4]arene Based Chromoionophore”

Vandna Arora, H. M. Chawla, Tania Francis, Meenakshi Nanda and Suneel Pratap Singh

Indian Journal of Chemistry, Vol. 42A, **2003**, 3041. ISSN No. 0376-4710, IF:0.566

7. “Synthesis and Application of New Molecular Receptors from Formylated Calix[4]arenes and Hydrazones”

Bishnoi, B. Srivastava, H. M. Chawla and V. Arora

Proceedings of 6th National Symposium in Chemistry, February 6th-8th, **2004**, Indian Institute of Technology, Kanpur, P-148.

E-Content Generation:

1. Authored and video recorded seven e-modules for e-PG Pathshala Project funded by UGC under NMEICT mission of MHRD, Govt. of India in **2017**. (Content available on <https://epgp.inflibnet.ac.in/>)
2. Developed E-LABS for BSc(H) Chemistry and BSc Programme (To determine the presence of extra elements in given organic compound) for Delhi University Portal funded by University of Delhi, **2011**. (Content available on www.vle.du.ac.in)

Participation in conferences, seminars, workshops, refreshers, orientation courses attended, summer institutes etc.

State/National International	Title	Organization	Period
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National	Online Refresher Course in Chemistry for Higher Education Faculty	Swayam (Govt. of India, Education portal) www.swayam.gov.in CEC, UGC	4 months (1 st Nov 2018 – 28 th Feb 2019)		
National	FDP in University Functioning & Blended Learning	GAD-TLC, SGBT Khalsa College DU NRC for Chemistry, UGC	10 days (8.12.2018 – 20.12.2018)		
State	Refresher Course in Basic Sciences	Jamia Millia Islamia	3 weeks (12 May – 2 June 2014)		
State	Refresher Course in Chemistry	CPDHE, DU	3 weeks (1 Dec – 22 Dec 2011)		
State	Orientation	CPDHE, DU	1 month (28 Feb – 30 March 2009)		
University	Chair, Session III “Literatures of the Diaspora” at National Conference on Higher Education Institutes: Knowledge Organizations , Maharaja Agrasen College, University of Delhi, 24 April 2019 .				
University	Presented a paper titled “Corrosion combating properties of hydroxyl based compounds on mild steel in Assam coal mine water” at a two day National Conference titled, ' Fostering Quality Research in Higher Education ' organised by Abdul Kalam Center and Internal Quality Assurance Cell, Maharaja Agrasen College on 23-24 March 2018 .				
University	Organised two day workshop on “Development of value addition material in Inorganic Chemistry for B. Sc. Programme – I year Web Content” at Institute of Lifelong Learning, University of Delhi, May 1st 2009 , Position Held: Coordinator.				
University	“ICT Capacity building in DU” Tier – II workshop in collaboration with Microsoft at Dayal Singh College, University of Delhi, December 14th – 21st 2009 , Role: Speaker for the Valedictory session.				
State	“Challenges in Teaching Chemsitry” organized by Delhi Public School, R.K. Puram, September 17th – 18th , 2009 , Role: Speaker for the interactive session with teachers of Classes IX-XII.				
Research Projects (Major Grants/Research Collaboration)					
Public Service/University Service/Consulting Activity					
Professional Societies Memberships					
Projects /Collaborations					
Title of the Project		Major/Minor	Funding Agency	Status	Level
e-PG Pathshaala for e-content generation for post graduate		Major	MHRD	Completed	National

courses				
Characterization of Corrosion resistance properties of hydroxy based compounds in mine water environment from Indian Mines Coal and empirical calculations of thermodynamic parameters.	Major	INNOVATION PROJECT funded by University of Delhi	Completed	University

I certify that the information given above is correct and factual to the best of my knowledge.

Date: 28.07.2020

Signature Dr. Vandna Soni