



DESHBANDHU COLLEGE
(UNIVERSITY OF DELHI)
KALKAJI, NEW DELHI - 110019
Faculty Details Proforma for College Website

Title	Dr	First Name	APARNA	Last Name	SHEKHAR	Photograph
Designation	Assistant Professor, Department of Chemistry, Deshbandhu College					
Address	JP-37, MAURYA ENCLAVE, PITAMPURA, DELHI -110034					
Phone No. Office						
Residence						
Mobile						
Email	aparnabharadvaja@yahoo.co.in					
Web-Page						
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	University of Delhi				2000	
M.Phil.						
PG - MSc	University of Delhi				1994	
UG - BSc (H)	Kirori Mal College, University of Delhi				1991	
Any other qualification						
Career Profile						
Administrative Assignments						
i. Nodal Officer for Innovation projects sanctioned to Deshbandhu College for the year 2015-16 by the University of Delhi ii. As Member of garden committee ,maintaining and beautification of Deshbandhu college lawns 2015-17 iii. Member stage committee of annual day function of Deshbandhu college 2014-15 iv. DUSU Election duty for smooth conduct of student election in Deshbandhu college 2016-17 v. Member of Rangoli committee in SABRANG, the annual cultural festival of Deshbandhu college 2015-16 vi. Member of refreshment committee in SABRANG the annual cultural festival 2015-16 vii. Deputy Coordinator, INSPIRE internship programme-2017 organized by Deshbandhu college from December, 2017 viii. Organizing member of INSPIRE internship programme-2015 organized by Deshbandhu college from December, 2015 ix. Judge for "PETALS" 2015-16 Botanical rangoli organized by Botanical society Deshbandhu College						
Areas of Interest/Specialization						
Synthetic and Natural Product Chemistry						
Subjects Taught						
Research Guidance						

List against each head(If applicable):

1. Supervision of awarded Doctoral Thesis
2. Supervision of Doctoral Thesis, under progress
3. Supervision of awarded M.Phil. dissertations
4. Supervision of M.Phil. dissertations, under progress

Publications Profile

List against each head(If applicable) (as Illustrated with examples)

1. Books/Monographs (Authored/Edited)
2. Research papers published in Refereed/Peer Reviewed Journals
 - a) Research papers published in Academic Journals other than Refereed/Peer Reviewed Journals
 - i. Fabrication of electro - chemical humidity sensor based on zinc oxide / Polyaniline nanocomposites, Adv. Mat. Lett. 2012 ,3(5) 421-425, ADVANCED MATERIALS Letters S.K. Shukla, Vamakshi, Minakshi, Anand Bharadavaja, Aparna Shekhar and Ashutosh Tiwari
 - ii. Synthesis of 5,7- Dihydroxy-6-Methoxy-2- (2-Hydroxy-4- Methoxyphenyl)-4H- 1-Benzopyran-4-One and Reassignment of Structure of Tamaridone, Synthetic Communication, 27(8), 1405 – 1414 (1997). Subhash C. Jain, Vivek K. Rajvanshi, Ravindra Kumar, Sangita Talwar, Aparna Bharadvaja
 - iii. Synthesis of Novel Tetraoxygenated Homoisoflavanones, Indian Journal of Chemistry, Vol. 36B, pp 860 – 863, (October 1997) Subhash C. Jain, Ravindra Kumar, Sanjay K. Sharma, Aparna Bharadvaja & Rohtash Kumar.
 - iv. 3-[4-(3,4-Dimethylphenyl)-1,3-Thiazol-2-yl]-2-(2-Hydroxyphenyl)-1,2,3,4-Tetrahydroquinazolin-4-One, Acta Crystallographica, C 56, 592 – 593 (2000). Subhash C. Jain, Aparna Bharadvaja, Rohtash Kumar, Deepti Agarwal, & William Errington
 - b) Research papers published in Refereed/Peer Reviewed Conferences
 - c) Research papers Published in Conferences/Seminar other than Refereed/Peer Reviewed Conferences
3. Other publications (Edited works, Book reviews, Festschrift volumes, etc.)

Conference Organization/Presentations

List against each head(If applicable)

1. Organization of a Conference
 - i. Executive Organizing Committee member in Indo-Portuguese Workshop on emerging trends of Nanotechnology in Chemistry and Biology (INCB-2016) organized by Department of Chemistry, Hansraj College & Deshbandhu College, University of Delhi in association with CQM, University of Madeira, Portugal, held on 12-13 February, 2016
 - ii. Member organizing committee of 9th national conference on Solid State Chemistry and Allied Areas (ISCAS-2015) held at the Conference Centre , University of Delhi, from May8-10, 2015
 - iii. Member of Advisory Board ICNANO-2011, International conference on Nanomaterial & Nanotechnology at Conference Centre at University of Delhi, on 18-21 December 2011
2. Participation as Paper/Poster Presenter
 - i. Presented a poster in ISCAS-2015 on the topic "Phytochemical investigation of *Daldivia concentrica*- isolation of potent biologically active metabolites"

<ul style="list-style-type: none"> ii. Participated in poster presentation on “Nano herbal drug delivery system: An effective tool for enhancing bioavailability of phytomedicines” in Indo-Portugese Workshop on Emerging Trends of Nanotechnology in Chemistry and Biology from 12-13 February, 2016 organized by Deptt of Chemistry, Hansraj College and Deshbandhu College, University of Delhi, India in association with CQM, University of Madeira, Portugal iii. Participated in poster presentation on “USING ENVIRONMENTAL BUILDING MATERIALS: A STEP TOWARDS A GREENER FUTURE” in International Conference on Materials Science and Technology, 01-04 March, 2016 at Conference Hall, University of Delhi. iv. Poster presentation entitled “Significance of Avenue Trees as an indicators and scavengers of air pollution in metropolitan cities” in National Conference on “Environmental Concerns of 21st Century: Indian and Global Context” held on 21-22nd March, 2016 at Zakir Husain College (evening), University of Delhi, New Delhi. v. Poster presentation entitled “Higher Plants as Indicator of Urban Air Quality” in National Conference on “Environmental Concerns of 21st Century: Indian and Global Context” held on 21-22nd March, 2016 at Zakir Husain College (evening), University of Delhi, New Delhi. vi. Poster presentation entitled “Novel nanoherbal formulation strategies: A new paradigm for improving targeted drug delivery system” in National Symposium on Nanobiotechnology” held on 31st March-1st April, 2016 at BIOTIKOS, 2016, TERI University, New Delhi. vii. Paper presentation as co-author on Preparation and UV Absorption Properties of Zinc Oxide Polymethylmethacrylate (ZnO/PMMA) Nanocomposite Films at National Conference on Advanced Materials (8-9 August 2014) Organized by Research & Technology Development center, Sharda University, Greater Noida-201306
Research Projects (Major Grants/Research Collaboration)
Innovation Project funded by University of Delhi, DBC -311, 2015-16 “Unbeatable Air Pollution in Delhi: Trees for Rescue - A comparative study of different plant species to combat rising pollution in Delhi”
Awards and Distinctions
WORLD ECOLOGY, ENVIRONMENT AND DEVELOPMENT AWARD, Nov 2017
Association With Professional Bodies
<ul style="list-style-type: none"> • Editing • Reviewing • Advisory • Committees and Boards • Memberships Life Membership of “ Indian society of Analytical Scientists(regd.)” Delhi Chapter • Office Bearer
Other Activities

Signature of Faculty Member

- You are also requested to give your complete resume as a Word or PDF file to be attached as a link on your department page.