




Faculty Details proforma for College Web-site



Title	Dr.	First Name	Kavita	Last Name	Mittal	Photograph
Designation	Assistant Professor (adhoc)					
Address	Y-20, Second Floor, Green Park Main, New Delhi -110016					
Phone No Office	09810940472					
Email/ Web-Page	kavitamittal@andc.du.ac.in					
Educational Qualifications						
Degree	Institution				Year	
B.Sc. (H) Chemistry (Undergraduate)	Shivaji College, University of Delhi				2000	
M. Sc. (Chemistry)	Department of Chemistry, University of Delhi				2002	
M. Phil. (Chemistry)	Department of Chemistry, University of Delhi				2005	
Ph. D (Chemistry)	Department of Chemistry, University of Delhi				2008	
Any Other	Gate Qualified				2004	
Career Profile						
<ul style="list-style-type: none">• Assistant Professor (Chemistry) Acharya Narendra Dev College, University of Delhi, Delhi-110029 (20th July 2017- till date)• Assistant Professor (Chemistry) Kalindi College, University of Delhi (Feb 2017- April 2017)• Assistant Professor (Chemistry) Acharya Narendra Dev College, University of Delhi (July 2014- July 2015)• Assistant Professor (Chemistry) Daulat Ram College, University of Delhi (Aug 2011 – May 2013)• Assistant Professor (Chemistry) Acharya Narendra Dev College, University of Delhi (Sep 2009 – March 2011)						
Administrative Assignments						
<ul style="list-style-type: none">❖ Convenor of Placement Cell at ANDC (June 2022-)❖ Member of Annual Report committee at ANDC (June 2022-)❖ Member of fellowship committee at ANDC (2018- May 2022)❖ Member of Career Counseling & Placement Cell at ANDC (2019- May 2022)❖ Member of NSS committee at ANDC (2014-2015)❖ Paper Setting and Evaluation in University of Delhi						
Areas of Interest / Specialization						
Organic Synthetic Chemistry and Green Chemistry						
Subjects Taught						

Basic Organic Chemistry (B.Sc. (H) Chemistry, B.Sc. (P) Life Sciences, B.Sc. Physical Sciences)

Research Guidance

I co-supervised the following summer projects in ANDC under **ELITE** fellowship scheme.

1. Extraction of medicinal compounds from plants and plant parts (2015).
2. Study and extraction of medicinally important Plant *S. Chirata* (2018).
3. To extract the colored component of *Hibiscus Rosa-Sinensis* flower and study its potency as a pH indicator (2019).
4. To synthesize heterocyclic compounds exploring multicomponent reaction (2022).
5. Ultrasonic Assisted and Conventional extractions of *Bombax ceiba* flowers for their antioxidant potential (2022).

Publications Profile

Book Published

Authored a book titled "**Experiments in Organic Chemistry**" published in Sep. 2012.

Research Articles Published (in reversed chronological order)

1. Multicomponent Synthetic Strategies and Perspectives for Synthesis of Linked or Fused Coumarin Heterocycles: A review, Sharda Pasricha, Kavita Mittal, Pragya Gahlot, Harsimar Kaur, Nishita Avasthi and Shweta, *J. Iranian Chemical Society*, **2022 (accepted)**, doi.org/ 10.1007/s13738-022-02603-x.
2. Functionalized MCM-41: Versatile Catalysts for Organic Transformations, S. Pasricha, P. Gahlot, K. Mittal, D. Rai, N. Avasthi, H. Kaur and S. Rai, *Chemistry Select*, **2022**, doi.org/10.1002/slct.202103674.
3. Molecular iodine: A highly efficient catalyst for the regioselective synthesis of novel 1,2,4-triazepines, M. Kidwai, S. Kukreja, K. Singhal and N. K. Mishra, *Indian J. Chem. B*, **2016**, **55(B)**, **585-589**.
4. An aqua mediated facile synthesis of conformationally restricted polycyclic dihydropyridines, M. Kidwai, S. Kukreja, S. Rastogi, K. Singhal and N. K. Mishra, *Indian J. Chem. B*, **2014**, **53(B)**, **605-609**.
5. Indium Trichloride: A versatile catalyst for the synthesis of fully saturated imidazoles, M. Kidwai, Priya and K. Singhal, *Indian J. Chem. B*, **2009**, **48(B)**, **886-892**.
6. Glycine promoted rapid synthesis of novel xanthenes derivatives in ionic liquid, M. Kidwai, K. Singhal and S. Kukreja, *Canad. J. Chem.*, **2008**, **799-802**.
7. One-pot synthesis of novel substituted Pyrrolo[2,3-*d*]pyrimidines using dry media, M. Kidwai, K. Singhal and S. Kukreja, *Heteroatom Chem.*, **2007**, **18**, **617-621**.
8. Green synthesis of fused pyrimido derivatives in aqueous medium, M. Kidwai and K. Singhal, *J. Heterocycl. Chem.(USA)*, **2007**, **44(6)**, **1253-1257**.
9. Aqua-mediated one pot synthesis and aromatization of 1,4-dihydropyridine derivatives

- using ammonium salts, M. Kidwai and K. Singhal, *Canad. J. Chem.*, **2007**, *85*(5), 400-405.
10. Microwave accelerated multicomponent synthesis for a novel scaffold of Monastrol analogues, M. Kidwai, S. Kukreja, S. Rastogi and K. Singhal, *Lett. Org. Chem. (UK)*, **2007**, *4*, 357-361.
 11. A convenient K₂CO₃ catalyzed regioselective synthesis for Benzopyrano[4,3-c] pyrazoles in aqueous medium, M. Kidwai, Priya, K. Singhal and S. Rastogi, *Heterocycles*, **2007**, *71*(3), 569-576.
 12. One-pot green synthesis for pyrimido[4,5-d]pyrimidine derivatives, M. Kidwai, K. Singhal and S. Kukreja, *Zeist. Natuforschung B (Germany)*, **2007**, *62B*, 732-737.
 13. One-pot green strategy for pyrimido[4,5-d]pyrimidine derivatives, M. Kidwai, Priya, S. Rastogi and K. Singhal, *Canad. J. Chem.*, **2007**, *85*, 491-495.
 14. One-pot heterocondensation for benzoxazinone derivatives using spb as catalyst, M. Kidwai, Priya, and K. Singhal, *Heterocycles*, **2007**, *71*, 1615-1622.
 15. Environmentally benign approach to Imidazole-2-thiones, M. Kidwai, S. Kukreja, S. Rastogi and K. Singhal, *Indian J. Chem. B*, **2007**, *46*, 1549-1553.
 16. A selective synthesis for novel pyranodipyrimidines, M. Kidwai, R. Goel and K. Singhal, *Indian J. Chem. B*, **2007**, *46*, 1159-1163.
 17. Paal Knorr reaction for novel Pyrrolo[2,3-d]pyrimidines, M. Kidwai, K. Singhal and S. Rastogi, *J. Heterocyclic Chem. (USA)*, **2006**, *43*, 1231-1237.
 18. Synthesis for pyridopyrimidinones, M. Kidwai and K. Singhal, *Synth. Commun.* **2006**, *36*, 1887-1891.
 19. A facile route to novel pyrimido triazepines, M. Kidwai, K. Singhal and R. Thakur, *Lett. Org. Chem. (UK)*, **2005**, *2*, 419-425.

Conference / Presentations / Workshops

Oral Presentation

- ❖ Aqueous mediated reactions, Department of Chemistry, Delhi University, 27th Nov. 2007

Poster Presentation

- ❖ Presented a poster in International E-conference on "Mitigating Contemporary Environmental issues by sustainable approaches" organized by Acharya Narendra Dev College, University of Delhi from 22-28th February 2022 (Topic: Environmentally benign route to chemical synthesis through Functionalised MCM-41based catalysts).
- ❖ Presented a poster in One day International Symposium "Chemical Wisdom By Her" organized by Department of Chemistry, Deshbandhu College, University of Delhi on 31st January 2022 through online mode (Topic: Emerging trends towards an efficient synthesis of pyrano[3,2-c]chromenes using diverse catalysts).
- ❖ Exploration of Paal Knorr Reaction: Synthesis of novel pyrrolo[2,3-d]pyrimidines.
- ❖ Aqua mediated synthesis and aromatization of 1,4-Dihydropyridine derivatives using ammonium salts.
- ❖ Tranesterification of coumarin employing immobilised lipase in ionic liquid.
- ❖ Aqueous Mediated Reactions: A Green Protocol.

CONFERENCES / SYMPOSIA ATTENDED

1. Attended one day International Symposium "Chemical Wisdom By Her" organized by Department of Chemistry, Deshbandhu College, University of Delhi on 31st January 2022 through online mode.

2. Participated in webinar titled “**Plagiarism in Academic Writing & Research**” organized by RASAYANATVA: The Chemical Society of Hansraj College, University of Delhi on 20th November, 2021.
3. Participated in Two days **International E-Conference** on “Recent Trends in Drug Discovery and Development” organized by Department of Chemistry, Maitreyi College, University of Delhi, from 8th- 9th October, 2021.
4. Attended online One Week **Faculty Development Programme** on "Open Source Tools for Research" from 08-14th June, 2020 organised by Ramanujan College (University of Delhi), sponsored by MHRD under the PMMMNMTT scheme.
5. Attended a two days online national workshop on “Online Teaching-Learning using LMS MOODLE organized by Guru Angad Dev-Teaching Learning Centre of MHRD, SGTB Khalsa College, University of Delhi under the PMMMNMTT scheme on 24-25th July 2020.
6. Attended a **five days workshop** on “Empowering Teachers: Current Technology Based Educational Contents Creation & Delivery” (using open source, free software) organised by IQAC, ANDC from Dec. 2-6th 2019 at Acharya Narendra Dev College, University of Delhi, Delhi.
7. Attended a **Global Bio-India Summit** 2019 at Areocity, New Delhi, from 21-23rd November 2019, organized by Department of Biotechnology, Ministry of Science and Technology, Government of India and it's Public Sector Undertaking, Biotechnology Industry Research Assistance Council (BIRAC) Easy Now Techniques: Workshop on multimedia content development, 4-7th May 2010, Acharya Narendra Dev College, University of Delhi, Delhi.
8. Workshop on application of Free/ Open Source Software in Science Teaching & Research, 14-15th April 2010, Acharya Narendra Dev College, University of Delhi, Delhi.
9. International Conference on the Interface of Chemistry-Biology in Biochemical Research, 22-24th Feb. 2008, Chemistry Group, Birla Institute of Technology & Science (BITS), Pilani, Rajasthan, India.
10. National Seminar on Green Chemistry and Natural products, 26-27th Nov., 2007, Department of Chemistry, University of Delhi, Delhi-110007, India
11. 9th CRSI National Symposium on Chemistry, 1-4th Feb., 2007, Department of Chemistry, University of Delhi, Delhi-110007, India
12. Second International Symposium of Heterocyclic Chemistry, 16-19th Dec., 2006, Department of Chemistry, University of Rajasthan, Rajasthan, India
13. Carbo XXI, Recent Developments in Carbohydrate Chemistry, 26-29th November, 2006, Department of Chemistry, University of Delhi, Delhi-110007, India
14. IUPAC Sponsored Second International Symposium on Green/ Sustainable Chemistry, 10-13th Jan, 2006, Department of Chemistry, University of Delhi, Delhi-110007, India
15. 92nd Indian Science Congress, 3-7th January 2005, Nirma University of Science & Technology, Ahmedabad, India.
16. 41st Annual Convention of Chemists, 23rd-27th December 2004, Department of Chemistry, University of Delhi, Delhi-110007, India.
17. IUPAC-International Conference on Biodiversity and Natural Products: Chemical and Biomedical Applications, 26th –31st January 2004, Department of Chemistry, University of Delhi,

Delhi-110007, India
Research Projects (Major Grants/Research Collaboration)
Awards and Distinctions
S.R.F. (Senior Research Fellow) (January, 2007 - December, 2007) J.R.F. (Junior Research Fellow) (January, 2005-December, 2006)
Association With Professional Bodies
Life Member, Chemical Research Society of India, India (LM-929).
Other Activities
<ul style="list-style-type: none"> • Paper setting done for BSc. (OBE) in November 2021 - Organometallics, Bio-Inorganic Chemistry, Polynuclear Hydrocarbons and UV, IR Spectroscopy • Paper setting (convener) done for BSc. H (OBE) in March 2022- GE-I sem (OC), GE-Atomic structure, bonding and general organic chemistry (UPC: 32175901_OC) • Paper setting done for BSc. (H) Mathematics concurrent course in May 2017-First year Chemistry Paper (Unique Paper Code: 217281) CHCT-101. • Paper setting done for BSc. (H) Chemistry (3 year program)- Semester 6 in May 2019- Organic chemistry- Chemistry of Biomolecules (Unique Paper Code: 2171604). • Worked as co-convenor in organizing a Hands-on Workshop for Non-teaching Staff on “The calibration and standardization of laboratory equipments and glasswares” under DBT Star College Scheme by Acharya Narendra Dev College, DU on 20th April, 2022. • Worked as resource person in a one-day workshop on "Introduction to New Experiments" organised under DBT Star College Scheme by Dept of Chemistry, Acharya Narendra Dev College, DU on 21st April 2022. • Conducted the session in International E-conference on “Mitigating Contemporary Environmental Issues by Sustainable Approaches” (ICMCESA) as session chair organized by Acharya Narendra Dev College, University of Delhi from 22-28th February 2022. • Worked as resource person in a One-day Interaction program “Science Adda” organised under DBT Star College Scheme by Acharya Narendra Dev College, DU on 20th December 2021. • Worked as co-convenor in organising lecture series (online mode) of “Journey of an Alumni” held weekly from 16th October, 2021, Acharya Narendra Dev College, DU • Worked as team member in organising “International lecture on role of chemistry in eradication of Covid-19 pandemic” held on 17th April 2021, Acharya Narendra Dev College, DU • Worked as event Co-ordinator in a webinar “A guided Virtual Tour of Science Institutes/ Universities for Higher Education” held on 19th February 2021, Acharya Narendra Dev College, DU • Worked as organizing committee member in a “One-day inter-disciplinary exhibit presentation NEW FRONTIERS IN SCIENCE” Acharya Narendra Dev College, DU, 22nd October 2019. • Worked as resource person in a two day workshop "Science pedagogy: Laboratory learning to

Classroom teaching". Acharya Narendra Dev College, University of Delhi, Jan 20-21, 2016.

- Worked as **organizing committee member** in a "Training Workshop on Green Chemistry" DBT Star College Project, Daulat Ram College, DU, Delhi, 8th Feb 2013.

Signature of Faculty Member

- You are also requested to also give your complete resume as a DOC and PDF file to be attached as a link on your faculty page.