

## FACULTY PROFILE PROFORMA

Title (Ms/Mr/Dr/Prof )	Dr.	First Name	Shilpika	Last Name	Bali Mehta	Photograph
Designation	Assistant Professor					
Department	Chemistry					
Address (Official)	Department of Chemistry Kalindi College (University of Delhi) East Patel Nagar New Delhi-110 008					
Phone No.	-					
Email	-					
<b>Education</b>						
Subject	Institution	Year	Details			
Chemistry	University of Delhi	2001	Ph.D.			
Chemistry	University of Delhi	1996	M.Sc.			
Chemistry	University of Delhi	1994	B.Sc.			
<b>Career Profile</b>						
Organisation/Institution	Designation	Duration	Role			
Hansraj College	Lecturer (Ad hoc)	Aug 2001-Aug 2010	Teaching			
Department of ACPM University of Delhi	Guest Lecturer	2001-2008	Teaching			
Kalindi College	Assistant Professor	Aug 2010 onwards	Teaching & Administrative Duties			
<b>Research Interests / Specialization</b>						
Organic Chemistry						
<b>Administrative Assignments / Contribution to corporate life</b>						
<ul style="list-style-type: none"> <li>• <b>2021: Convenor- Verification Committee for Physical Verification</b></li> <li>• <b>2021: Coordinator: Feedback &amp; Students Satisfaction Survey Committee</b></li> <li>• <b>2021:Convenor- Committee for development of E-Content</b></li> <li>• <b>2021: Member of ARIIA Committee.</b></li> <li>• <b>2020: Convenor of the webinar titled “Drug Discovery” to be organized on 6<sup>th</sup> October 2020, Kalindi College, University of Delhi.</b></li> <li>• <b>2020: Convenor of the webinar titled “Closer look at Career Guidance &amp; Internships” organized on 26<sup>th</sup> September 2020, Kalindi College, University of Delhi.</b></li> <li>• <b>2019: Convenor of Final Theory Examinations Under Graduate Courses of Semester Mode November/ December 2019, Kalindi College, University of Delhi.</b></li> <li>• <b>2019: Teachers-In-Charge, Department of Chemistry, Kalindi College, University of Delhi.</b></li> <li>• <b>2013-2015, Jan 2018-April 2018, August 2018-September 2018: Teachers-In-Charge, Department of Chemistry, Kalindi College, University of Delhi.</b></li> </ul>						

- **2010-Present:** Member of Purchase Committee, Kalindi College, University of Delhi.
- **2015, 2016, 2017, 2018:** Convenor of Students' Orientation Programme, Kalindi College, University of Delhi.
- **2017-onwards:** Member, IBSD Committee, Kalindi College, University of Delhi.
- **2012-2013:** Convenor of Biochemical Society, Kalindi College, University of Delhi.
- **2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018:** Member of Cultural Festival "LEHREN", Kalindi College, University of Delhi.
- **2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018:** Member of Admission Committee, Kalindi College, University of Delhi.
- **2011, 2012, 2013, 2014, 2016:** Member of Alumni Meet Committee, Kalindi College, University of Delhi.
- **2011, 2012, 2013, 2014, 2015:** Member of Annual Day Committee, Kalindi College, University of Delhi.
- **2011, 2012, 2013, 2014, 2015:** Member of Oath Taking Ceremony Committee, Kalindi College, University of Delhi.
- **2014:** Member of Science Festival Committee, Kalindi College, University of Delhi.

#### Teaching Experiences (Subject/Courses taught)

- **2001-2010:** Taught B.Sc. (Hons), B.Sc. (Gen A & B) and B.Sc. (Programme) courses in Department of Chemistry, Hans Raj College, University of Delhi with designation as an Assistant Professor.
- **2001-2008:** Taught M.Sc. course in Department of Agrochemical & Pest Management, University of Delhi as a Guest Faculty.
- **2010-Present:** Taught various undergraduate courses in Kalindi College, University of Delhi as an Assistant Professor.

#### Research Guidance

Not Applicable

#### Publication (Peer Reviewed/Indexed Journals)

##### Research Papers:

- *Acta Cryst*, 1826-1829, 1999.
- *Indian Journal of Chemistry*, 45 B, 2546-2548, 2006.

##### Book Published (as single author):

- *Organic Chemistry for B. Sc. II Year Programme*, 2008.
- *Basic Concepts of Organic Chemistry and Stereochemistry*, 2010-2011
- Kumar, S., Prasad, A. K., & **Mehta, S. B.** (2022). Lewis acid promoted synthesis of methylene-bridged  $\alpha$ - and  $\gamma$ -bis-benzopyrones. *Indian Journal of Chemistry (IJC)*, 61(1), 43-50
- Kumar, S., Kumar, S., Maity, J., Kumar, B., **Mehta, S. B.**, & Prasad, A. K. (2021). Synthesis and photophysical properties of 5-(3''-alkyl/aryl-amino-1''-azaindolizin-2''-yl)-2'-deoxyuridines. *New Journal of Chemistry*, 45(36), 16635-16647.
- Kumar, S., & **Mehta, S. B.** (2022). One-step novel synthesis of methylene bisphenols and methylene bisnaphthols using Lewis acid mediated rearrangement. *Journal of the Indian Chemical Society*, 99(1), 100292.

#### Seminar/Workshop/Conferences Presentation/Organisation

**Paper Presented at various symposia:**

- Some novel fungal metabolites of biological importance, 84<sup>th</sup> Annual Meeting of Indian Science Congress, Delhi, India held on January 1997.
- Molecular structure of a sesquiterpene alcohol, National Seminar on perspective in interfacial areas of chemistry and biology, Delhi, India held on January 1998.
- A facile one pot synthesis of methylene bisphenols, National Seminar on perspective in interfacial areas of chemistry and biology, Delhi, India held on January 1998.
- Synthesis of some antifeedant alkenyl compounds, First National Symposium on green chemistry, Delhi, India held on January 1999.
- Synthesis of chloro synthons using a regioselective chlorinating agent, International Symposium on trends in medicinal chemistry and biocatalysis, Delhi, India held on January 2000.
- Lewis acid mediated one pot synthesis of biological important methylene bisphenolics, International Symposium on bio-organic chemistry, Pune, India held on February 2000.
- Chemical components of dendrophthoe falcate, International Symposium on green chemistry, Delhi, India held on January 2001.

**CONFERENCES / WORKSHOP ATTENDED:**

- Preparation and characterization of antigenic extracts used for allergy diagnosis and immunotherapy at Centre for Biochemical Technology (CSIR), Delhi, India.
- Hands on basic techniques in life science at Institute of Pathology, Safdarjung Hospital, organized by Centre for science education and communication, Delhi, India.
- One day seminar on 2<sup>nd</sup> year chemistry course of restructured B.Sc. Programme organized by Department of Chemistry, University of Delhi, Delhi, India.
- Workshop on Development of on-line quizzes in chemistry organized by ILLL, University of Delhi, 2009, Delhi, India.

**Awards & Distinctions**

- Awarded All India Research Fellowship (JRF) through the Joint CSIR-UGC National Eligibility Test (NET) in December, 1995.
- Qualified All India General Aptitude Test for Engineering (GATE) with 94.44 percentile held in February, 1996.
- Awarded Prof. P. L. Soni Scholarship at Hans Raj College, University of Delhi.

**Public Service/ University Service/ Consulting Activity**

- Committee member of the Kalindi College to participate in the “Swachh Bharat Abhiyan”

**Professional Societies Memberships**

NA

**Projects (Major Grants / Collaborations)**

NA

**Other Details**

NA