




## Faculty Details Proforma

Title	DR	First Name	ANURADHA	Last Name	Photograph
<b>Designation</b>	<b>Assistant Professor</b>				
<b>Address</b>	<b>Daulat Ram College, Patel Marg 4</b>				
<b>Phone No. Office</b>					
<b>Residence</b>					
<b>Mobile No.</b>					
<b>Email – ID</b>	anuradha@dr.du.ac.in				
<b>Web Page</b>					
<b>Educational Qualification</b>					
<b>Degree</b>	<b>Institution</b>			<b>Year</b>	
B.Sc	H.P. University Shimla			2005	
B.Ed	H.P. University Shimla			2006	
M.Sc	C.C.S University Meerut			2008	
M.Phil	University of Delhi, Delhi			2009	
Ph.D.	University of Delhi, Delhi			2015	
<b>Career Profile</b>					
<ul style="list-style-type: none"> <li>● Assistant Professor, Daulat Ram College, 01.01.2018 – till date (ad hoc)</li> </ul>					
<b>Administrative Assignments</b>					
<b>Name of Institute</b>	<b>Designation</b>	<b>Status</b>	<b>Time period</b>	<b>Experience</b>	
Daulat Ram College, D.U.	Assistant Professor	Member of Students Amenities, ECA Society	2018- 2022	4 Year	
Daulat Ram College, D.U.	Assistant Professor	Member of, Disaster Management Committee	July, 2020- 2022	2 Year	
Daulat Ram College, D.U.	Assistant Professor	Member of, Chemical Society,	2018-2020	2 Year	
Daulat Ram College, D.U.	Assistant Professor	Member of, Life Science Association,	2018-2019 July, 2021- 2022	1 Year	
Daulat Ram College, D.U.	Assistant Professor	Member of Admission Committee	July, 2021- 2022	1 Year	
Daulat Ram College, D.U.	Assistant Professor	Member of Students Amenities,	2019- 2020	1 Year	

Daulat Ram College, D.U.	Assistant Professor	Member of ECA Society	2018, 2019, July 2021-2022	3 Year
Chemical society	Staff advisor	May 2022	May 2023	One year

### Areas of Interest / Specialization

Organic chemistry

### Subjects Taught (in the last three years)

B.Sc(prog) Ist yr Chemistry Practical, Basic Concepts of Organic Chemistry  
 B.S (PROG) IIIrd YR, Chemistry practical, Biomolecules II  
 B.S (PROG) IIIrd YR, Theory, molecules of Life  
 B.S (PROG) IIIrd YR, Practical, molecules of Life  
 B.S (PROG) IIrd YR, Practical, molecules of Life  
 B.Sc. (H) Chemistry III year (Organic chemistry), Theory, Nucleic Acids, Amino Acids, Proteins and Enzymes (DSC-14, Organic Chemistry- V)  
 B.Sc. (H) Chemistry I year (organic chemistry) practical, Basic Concepts and Aliphatic Hydrocarbons (DSC-2: Organic Chemistry-I)  
 B.Sc. (H) Chemistry I year (organic chemistry) Theory, Basic Concepts and Aliphatic Hydrocarbons (DSC-2: Organic Chemistry-I)  
 B.Sc(H) 2 year, GE-3, Basic concepts of organic chemistry

### Research Guidance

NA

### Publications Profile (in the last three years)

- Bio-genic Synthesis of Calcium coated Zinc oxide Nanoparticles from Beetroot extract and their photodegradation study on Methylene Blue and Rhodamine B**, Darshan Singh, **Anuradha**, Divya Mathur, Surendra kumar, balaram pani, Amar Kumar, Rajni Kanojia and Laxman Singh, Plant Nano Biology, 2023, vol 4, p.no.100031. ISSN-2773-1111.
- Photodegradation of Methylene blue and Rhodamine B using potato starch mediated biological zinc oxide nanoparticles and its calcium nanocomposites: Greener approach**, Darshan Singh<sup>1\*</sup>, **Anuradha**<sup>1</sup>, Surendra Kumar<sup>2</sup>, Amar Kumar<sup>3</sup>, Neelu Dheer<sup>4</sup>, M. Ramananda Singh<sup>5</sup>, Rajni Kanojia<sup>6</sup>, Sangeeta Kaul<sup>7</sup> and Ishwar Prasad Sahu<sup>8</sup>, Applied Chemical engineering, 2023, vol 6(1). P. no 94-103. ISSN-2578-2010. <https://doi.org/10.24294/ace.v6i1.1998>
- “Photocatalytic properties of biologically synthesized uncoated and calcium coated ZnO nanoparticles using cucumber juice”**, Darshan Singh\*, **Anuradha**, Divya Mathur, Amar Kumar, Surendra Kumar, Balaram Pani, Rajni Kanojia and Jyotsna Ratan, Rasayan journal of chemistry, 2022, special issue, 95-102. ISSN no 0974-1496.

4. **APPLICATION OF PHOTSENSITIZER-INCORPORATED INDIUM OXIDE NANOPARTICLES IN PHOTODYNAMIC THERAPY**, Indrajit Roy, Raju Tiwari, Mahendra Nath, Surinder P Singh, Surendra Kumar, Darshan Singh and **Anuradha**, Rasayan journal of chemistry, 2022, ISSN no 0974-1496, vol 15 (4), 2266-2872. ISSN no 0974-1496

#### **Conference Organization / Presentation (in the last three years)**

- Organized SDP for students of DRC on “**Prevention of diseases by natural remedies and identification of active molecules**” from 20-27 Dec 2022 in collaboration with Botany Deptt.
- Resource person on “**diabetes and its natural treatment** ” in one week in house skill development prog organized by the department of chemistry and Botany , Daulat Ram College from 20-27 Dec 2022 Topic:- “**Prevention of diseases by natural remedies and identification of active molecules**”. (mail)

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

- **Photocatalytic properties of metal and metal oxide nanoparticles and their efficacy in prevention of bacterial growth.** Navdhara Project DRC, 2023-24, Rs 75000/-.

#### **Awards and Distinctions**

NA

#### **Association with Professional Bodies**

VIBHA MEMBER

#### **Other Activities (in last three years)**