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# Deepti Rathore

Asst. Prof.,  
Department of Chemistry,  
Alankar Mahila P.G. Mahavidyalaya, Jaipur

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## OBJECTIVE

I wish to be a part of an organization which focuses primarily on imparting quality education to the students. I am a highly dedicated and passionate professional. I am committed towards providing wholesome subject knowledge to the students along with their all round development.

## EDUCATION

- ❖ **Ph.D.: Chemistry** (2012-2018)  
Title of the thesis: “**Ionic liquid promoted synthesis of some novel heterocyclic compounds and their antimicrobial screening.**”  
From the Department of Chemistry, University of Rajasthan, Jaipur
- ❖ **M.Sc.: Chemistry** (2010-2012) , 73.3%  
From the Department of Chemistry, University of Rajasthan, Jaipur
- ❖ **B.Sc.: Pass Course** (2007-2010) 76.8%  
From International College for Girls, Jaipur.
- ❖ **Higher Secondary** (2006) 82.4%  
From Sophia School, Jaipur.
- ❖ **Secondary** (2004), 81.8%  
From St. Teresa’s Sr. Sec. School, Kolkata.

## EXPERIENCE

Asst. Prof. (Chemistry) at Alankar P.G. Girls College since 7, Aug, 2017 till date.

## PRESENT STATUS

Asst. Prof. (Chemistry) at Alankar P.G. Girls College, Jaipur.

## AWARDS/ SCHOLARSHIPS

CSIR- NET-JRF (Dec. 2011), GATE (2012), CSIR-SRF (2015)

## RESEARCH PUBLICATIONS

### Research papers

1. A Tandem and One Pot Access to 2-Aroylbenzofuran and its derivatives Using Ionic Liquid as an Efficient and Recyclable Reaction Media. Sangeeta Bhargava and **Deepti Rathore**. *Chemistry and Biology Interface*. 2016, 6(1), 19.

2. Synthetic Routes and Biological Activities of Benzofuran and its Derivatives: A Review. Sangeeta Bhargava, **Deepti Rathore** and Anita Choudhary. *Letters in Organic Chemistry*. 2017, 14(6), 14.
3. [BMIM]HSO<sub>4</sub>: An efficient and green promoter for the synthesis of 5H-benzo[a]phenothiazine derivatives. Sangeeta Bhargava, Anita Choudhary and **Deepti Rathore**. *Current Catalysis*. 2016, 5(3), 228.
4. Synthesis of some novel pyrido[2,3-d]pyrimidine derivatives and their nucleosides. Sangeeta Bhargava, Lokesh.K.Rajawanshi, **Deepti Rathore** and Anita Choudhary. *Chem News Letter*. 2016
5. An environmentally benign attribute for the expeditious synthesis of quinoxaline and its derivatives. Sangeeta Bhargava, Pooja Soni and **Deepti Rathore**. *Journal of Molecular Structure*. 2019, 1198, 126758.
6. A sustainable, efficient and green promoter for the synthesis of some heterocyclic compounds. Sangeeta Bhargava, Anita Choudhary and **Deepti Rathore**. **Emerging Trends of Research in Chemical Sciences. 2019. Apple Academic Press. Hard ISBN: 9781771889735 E-Book ISBN: 9781003129929**
7. Ionic liquid mediated one-pot synthesis of pyrazolo[3,4-b]quinolines via multi-component reaction and their antimicrobial screening. Sangeeta Bhargava and **Deepti Rathore**. *Current Organic Synthesis (under revision)*.

#### **Papers Presented in Conferences**

1. Environmentally benign one-pot synthesis of substituted benzofurans in imidazolium based ionic liquid. Sangeeta Bhargava and **Deepti Rathore**. Advanced Material Science and Engineering, **BIOCON, 2014**.
2. One-pot synthesis of substituted benzofurans in imidazolium based ionic liquid and their anti-microbial screening. Sangeeta Bhargava and **Deepti Rathore**. Emerging Trends in Physical Sciences and Technology, **CONIAPS XVII, 2015**.
3. Facile and One-pot protocol for the synthesis of Benzothiazole derivatives using ionic liquid. Sangeeta Bhargava, **Deepti Rathore** and Akash Saini. National Conference on Frontiers at the Chemistry-Allied Sciences Interface ( **FCASI-2015**).
4. Antimicrobial Screening and Synthesis of some Benzo[a]phenothiazepine and its derivatives. Sangeeta Bhargava, **Deepti Rathore**, Praveen Verma, Anita

**PERSONAL  
DETAILS**

Choudhary and A.K. Yadav. International Conference on Frontiers at the Chemistry-Allied Sciences Interface ( **FCASI-2016**)

5. 1,5-Benzothiazepines: A Diverse Scaffold. Sangeeta Bhargava, **Deepti Rathore** and Sarita Saini. Advanced Material Science and Engineering, **BIOCON, 2016.**

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Husband's Name:	Lokender Singh Shekhawat
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