

Dr. Deepti Goyal**Present Address**

Ward No. 6, Street No. 6
 Preet Nagar, near Jyoti sarup mour
 Sirhind, Fatehgarh Sahib, Punjab, 140406, India
 E-mail: deepti.iitb@gmail.com

Education

Ph.D. in Chemistry (2007–2012) 8.84/10 (CPI)

Indian Institute of Technology (IIT) Bombay, Mumbai, India

Thesis title “*Design of New Synthetic Strategies to Modified Amino Acids and Peptides*”

Thesis Supervisor: Prof. Sambasivarao Kotha

Qualified UGC-NET in Chemical Sciences (2006)

M.Sc. (Honour School) Chemistry (2004–2006) 72.7%

Panjab University, Chandigarh, India

B.Sc. (Honour School) Chemistry (2001–2004) 74.1%
 (Physics and Mathematics as subsidiary subjects) **(Gold Medalist)**

Panjab University, Chandigarh, India

Teaching and Research Experience

Assistant Professor	Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	January 2015-Present
Visiting research fellow	Department of Chemistry, Michigan Technological University, Michigan, USA,	July 2014-October 2014
Assistant Professor	Shoolini University-Bajhol, Solan, HP, India from	July 2013-July 2014
Teaching Assistant	Indian Institute of Technology (IIT)-Bombay, Mumbai, India	July 2008-December 2009

Sponsored research projects

A research project entitled ‘*Design, Synthesis and Evaluation of Modified Short Peptides as Inhibitors of Amyloid- β ($A\beta$) Peptide Aggregation*’ under the **Start-Up Research Grant (Young Scientists) Scheme by the Science and Engineering Research Board (SERB)**, Govt. of India. **Oct. 2015–Oct. 2018**

Awards and Honours

1. Selected as one of the candidate for attending the 111th Orientation course being organised by Human Resource Development Center from 26th May- 22nd June **2016** at Panjab University, Chandigarh.
2. Awarded a **research project entitled ‘Design, Synthesis and Evaluation of Modified Short Peptides as Inhibitors of Amyloid- β ($A\beta$) Peptide Aggregation**’ under the **Start-Up Research Grant (Young Scientists) Scheme by the Science and Engineering Research Board (SERB)**, Govt. of India. **2015**
3. Awarded Young Scientist Foreign Travel Grant from **DST** and **CSIR** India to present a poster in 242nd **American Chemical Society National Meeting & Exposition**, Denver, Colorado, USA Aug. 28th – Sept. 01st, **2011**.
4. Senior Research Fellow (**SRF**) award through CSIR-UGC, India **Jan. 2009 - Dec. 2011**.

5. Junior research fellow (JRF) award through National Eligibility Test (NET) conducted by CSIR-UGC, India **Jan. 2007 - Dec 2008.**
6. Recipient of Prof. Prem Singh Medal for standing 1st in B. Sc. (Honours School) Chemistry **2004.**
7. Recipient of 1st prize in State Science Exhibition **2000.**
8. Recognized as one of the meritorious candidates by **Government of India, National Scholarships Scheme 1998.**

Publications in Peer-Reviewed Journals

1. Synthesis of Oligodeoxynucleotides Containing Electrophilic Groups. Xi Lin, Jinsen Chen, Shahien Shahsavari, Nathanael Green, **Deepti Goyal**, Shiyue Fang *Organic Lett.* 2016, 18, 3870. (**Impact factor: 6.73**)
2. Diversity Oriented Approaches to Polycyclics and Bio-inspired Molecules via the Diels–Alder Strategy: Green Chemistry, Synthetic Economy and Beyond. Sambasivarao Kotha, Arjun Shankar Chavan, **Deepti Goyal** *ACS Comb. Sci.* 2015, 17, 253. (**Impact factor: 3.31**)
3. Preparation of Indole and its derivatives in water. Neeraj Gupta, **Deepti Goyal** *Chem. Heterocyc. Compd.* 2015, 51, 4. (Impact factor: 0.81)
4. Diversity Oriented Approaches to Unusual Amino Acids and Peptides: Step Economy, Atom Economy, Redox Economy and Beyond. Sambasivarao Kotha, **Deepti Goyal**, Arjun Shankar Chavan, *J. Org. Chem.* 2013, 78, 12288. (*The TOC of the paper is published as a cover-art for JOC*) (**Impact factor: 4.78**)
5. Diversity Oriented Approach to Triazole Based Peptidomimetics as Mammalian Sterile 20 Kinase Inhibitors. Sambasivarao Kotha, **Deepti Goyal**, Aruna Bitra, Niranjana Thota, G. Kruger, Ruchi Anand *RSC Adv.* 2013, 3, 24447. (**Impact factor: 3.28**)
6. A novel Di-triazole Based Peptide as a Sensitive and Selective Fluorescent Chemosensor for Zn²⁺ ions. Sambasivarao Kotha, **Deepti Goyal n e Bansal**, Subhasree Banerjee and Anindya Datta *Analyst* 2012, 137, 2871. (*During the month of May, 2012 this article was amongst the top ten accessed articles from the online version of Analyst*) (**Impact factor: 4.10**)
7. Synthesis of Modified Phenylalanine Peptides by Cross Enyne Metathesis and Diels–Alder Reaction as Key Steps. Sambasivarao Kotha, **Deepti Goyal n e Bansal**, Niranjana Thota, Venu Srinivas *Eur. J. Org. Chem.* 2012, 1843. (**Impact factor: 3.06**)
8. Synthesis of a New Fluorescent Macrocyclic α -Amino Acid Derivative via Tandem Cross-enyne/Ring-closing Metathesis Cascade Catalyzed by Ruthenium Based Catalysts. Sambasivarao Kotha, **Deepti Bansal**, Kuldeep Singh, Subhasree Banerjee *J. Organomet. Chem.* 2011, 696, 1856. (**Impact factor: 2.17**)
9. Synthesis of Symmetrical and Unsymmetrical Trisubstituted Benzene Derivatives Through Ring-Closing Alkyne Metathesis Strategy and Depropargylation with Various Catalysts. Sambasivarao Kotha, **Deepti Bansal**, Ramanatham Vinod kumar, *Indian J. Chem. B* 2009, 48B, 225. (Impact factor: 0.47)

Details of Ph. D./ M.Phil./ M.Sc. students enrolled

Name of student	Degree	Joined	Completed degree
Anupamjeet Kaur (getting fellowship from DST, India)	Ph.D.	2016	Pursuing
Amandeep Kaur	Ph.D.	2015	Pursuing
Sukhmani Mann	Ph.D.	2015	Pursuing
Shabnam Thakur	M.Phil.	2013	2014
Asha Kumari	M.Phil.	2013	2014
Priyanka Soni	M.Phil.	2013	2014
Shivani Pathania	M.Sc.	-----	2014
Poonam Kumari	M.Sc.	-----	2014
Parveen Kumar	M.Sc.	-----	2014

Conferences and workshops

- **5th National Symposium on Advances in Chemical Sciences 2016** from 2nd-3rd February, 2016 at Guru Nanak Dev University, Amritsar. *Attended*
- **7th National Conference on Recent advances in Chemical, Biological and Environmental Sciences 2015** from 30th -31st January, 2015 at Multani Mal Modi College, Patiala. *Attended*
- **Emerging Horizons in Science and Technology 2014** from 17th-18th January, 2014 at Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab, India, *Oral presentation.*
- **3rd Indo-German Symposium on Frontiers of Chemistry 2011** from 27th - 28th September, 2011 at IIT Bombay, Mumbai, India, *Poster presentation.*
- **242nd ACS 2011** from 28th August – 1st September, 2011 in Denver, Colorado, USA, *Poster presentation.*
- **Research Scholar Meet 2011** from 25th- 26st February, 2011 at N. G. Acharya & D. K. Marathe College, Mumbai, India, *Oral presentation.*
- **Indo-US symposium on Modern trends in molecular structures 2011** from 21st – 24th February, 2011 at IIT Bombay, Mumbai, India, *Poster presentation.*
- **6th J-NOST 2011** from 28th - 31th January, 2011 at University of Hyderabad, Hyderabad, India, *Poster Presentation.*
- **In-House Symposium 2010** on 27th February, 2010 at IIT Bombay, Mumbai, India, *Poster presentation*
- **Symposium on recent trends in biophysics 2010** from 13th - 15th February, 2010 at Banaras Hindu University, Varanasi, India, *Poster presentation.*