



## Prof. Ganesh Pandey, FNA, FNASc, FASc

Distinguished Professor

Address : Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi-221005

Phone : 9970171802

Email : ganesh.pandey1@bhu.ac.in

Profile

Notices

### Research Interests

Total Synthesis of Natural products

Methods Development in Visible Light Photoredox Catalysis

### Recent Publications

**Ganesh Pandey,\* Ramkrishna Laha and Pradip Kumar Mondal. (2019)**

Heterocyclization involving Benzylic C(sp<sup>3</sup>)-H Functionalization Enabled by Visible Light Photoredox Catalysis..  
**Chem. Commun., RSC**, 55, 9689-9692. <https://pubs.rsc.org/en/content/articlelanding/2019/cc/c9cc04287c>.

**Prachi Verma, Atish Chandra and Ganesh Pandey\*. (2018)**

Diversity-Oriented Approach Toward the Syntheses of Amaryllidaceae Alkaloids via a Common Chiral Synthon..  
**J. Org. Chem., ACS**, 83, 9968-9977. <https://pubs.acs.org/doi/pdf/10.1021/acs.joc.8b01368>

**Atish Chandra, Prachi Verma, Animesh Negel and Ganesh Pandey\* (2017)**

Asymmetric Total Synthesis of (-)-Gracilamine Using a Bioinspired Approach..  
**Eur. J. Org. Chem., Wiley**, NA, 6788-6792. <https://chemistry-europe.onlinelibrary.wiley.com/doi/epdf/10.1002/ejoc.201701474>

**Ganesh Pandey,\* Shiva Kumar Burugu, and Pushpendra Singh. (2016)**

Efficient Strategy for the Construction of Both Enantiomers of the Octahydropyrroloquinolinone Ring System: Total Synthesis of (+)-Aspidosper..  
**Org. Lett., ACS**, 18, 1558-1561. <https://pubs.acs.org/doi/pdf/10.1021/acs.orglett.6b00374>

**Ganesh Pandey,\* Ramkrishna Laha. (2015)**

Visible-Light-Catalyzed Direct Benzylic C(sp<sup>3</sup>)-H Amination Reaction by Cross-Dehydrogenative Coupling..  
**Angew. Chem. Int. Ed., Wiley**, 54, 14875-14879. <https://onlinelibrary.wiley.com/doi/epdf/10.1002/anie.201506990>

**Ganesh Pandey\* and Vaitla Janakiram. (2015)**

Aza-Quaternary Scaffolds from Selective Bond Cleavage of Bridgehead-Substituted 7-Azabicyclo[2.2.1]heptane: Total Synthesis of (+)-Cylindri..  
**Chem. Eur. J., Wiley**, 21, 13120-13126. <https://chemistry-europe.onlinelibrary.wiley.com/doi/epdf/10.1002/chem.201501859>.

**Ganesh Pandey,\* Rajesh Varkhedkar and Divya Tiwari. (2015)**

An Efficient Access to Enantiopure 1,3-disubstituted Isoindolines from Selective Catalytic Fragmentation of Original Desymmetrized Rigid Ov..  
**Organic & Biomolecular Chemistry**, 2015, 13(15), 4438-4448. <https://pubs.rsc.org/en/content/articlelanding/2015/ob/c5ob00229j>

**Ganesh Pandey, Janakiram Vaitla (2015)**

Desulfonylative Methenylation of  $\beta$ -Keto Sulfones..  
**Org. Lett., ACS**, 17, 4890-4893. <https://pubs.acs.org/doi/pdf/10.1021/acs.orglett.5b02455>

**Ganesh Pandey,\* Sujit Pal, and Ramkrishna Laha. (2013)**

Direct Benzylic C-H Activation for C-O Bond Formation by Photoredox Catalysis..  
**Angew. Chem. Int. Ed., Wiley**, 52, 5146-5149. <https://onlinelibrary.wiley.com/doi/pdf/10.1002/ange.201210333>.

**Ganesh Pandey\* and Prasanna Kumara C. (2011)**

Iminium Ion Cascade Reaction in the Total Synthesis of (+)-Vincadifformine..  
**Org. Lett., ACS**, 13, 4672-4675. <https://pubs.acs.org/doi/pdf/10.1021/ol201892j>

## Education

University	Degree	Year of passing
Banaras Hindu University, Varanasi	Ph. D.	1979
Agra University ( K. N. Govt. PG College, Gyanpur, (Varanasi)	M. Sc.	1975

## Work History

### Academic Experience

Duration	Post	Organization	Nature
2019 - Present	Distinguished Professor	Banaras Hindu University	Teaching and F
2013 - 2019	Director	CBMR Lucknow	Teaching and F
2010 - 2013	Scientist H	National Chemical Laboratory, Pune	Teaching and F
2000 - 2010	Scientist G	National Chemical Laboratory, Pune	Teaching and F
1995 - 1999	Scientist F	National Chemical Laboratory, Pune	Teaching and F
1991 - 1995	Scientist EII	National Chemical Laboratory, Pune	Teaching and F
1984 - 1991	Scientist C-E1	National Chemical Laboratory, Pune	Teaching and F
1983 - 1984	CSIR, Pool Officer	Punjab University, Chandigarh	Teaching and F
1980 - 1983	Research Associate	Purdue University (USA)	Teaching and F

### Administrative Experience

Duration	Post	Organization	Nature
2013 - 2019	Director	CBMR Lucknow	Administrative

## Professional Activities

Activity / Membership	Organization
Council Member, Indian National Science Academy	NA
Fellow of Indian National Science Academy (FNA)	NA
Fellow of Indian Academy of Sciences (FASc)	NA
National Academy of Sciences (FNASc)	NA
Fellow of Maharashtra Academy of Sciences	NA
Fellow, IUPAC Commission	NA
ICOS-10 Visiting Chair Professor, Univ. of Hyderabad	NA
Editor "TETRAHEDRON" Journal	NA
Sectional President "Chemical Sciences", ISCA (2008-09)	NA
Sir J. C. Bose Visiting Chair Professor, IISER, Bhopal	NA
Executive Editorial Board member "Asian J. Org. Chem. (Wiley-VCH)"	NA
Editorial Board Member Chinese Chemistry Letters	NA

## Academic Awards

'National Science Chair Award' by 'SERB, New Delhi' in 2022

'P. C. Ray Memorial Award' by 'ISCA, KOLKATA' in 2010

'J. C. Bose National Fellowship Award' by 'DST (SERB), New Delhi' in 2007

'Goyal Science Prize Award' by 'Kuruksheetra University' in 2007

'Vigyan Ratna Samman Goyal Science Prize Award' by 'Council of Science and Technology, Government of Uttar Pradesh' in 2002

'Shanti Swarup Bhatnagar Prize Award' by 'CSIR' in 1999

'Dr. S. Hussain Zaheer Memorial Science Award' by 'NA' in 1994

'B.M. Birla Science Award' by 'M Birla Science Centre' in 1991

'CSIR Young Scientist Award' by 'CSIR' in 1988

'Prof. S K Pradhan (UICT, Mumbai) Endowment Lecture Award' by 'UICT, Mumbai' in 2009

'CRSI Silver Medal Lecture Award' by 'CRSI' in 2008

'Prof. T. R. Seshadri Memorial Lecture Award' by 'University of Delhi, Delhi' in 2006

'Prof. A. S. R. Anjaneyulu 60th Birth Day Medal Award' by 'Indian Chemical Society' in 2004

'Platinum Jubilee Lecture Award' by 'The Indian Science Congress Association' in 2003

'Prof. T. R. Seshadri 70th Birthday Commemoration Lecture Award' by 'INSA, New Delhi' in 2003

'Prof. R. C. Shah Memorial Endowment Lecture Award' by 'Bombay University' in 1999

'Prof. N. S. Narasimhan Endowment Lecture Award' by 'Pune University' in 1998