

Curriculum Vitaé



Dr. Ashutosh Singh

Assistant Professor (Stage 3)

Department of Chemistry

K.S. Saket Post Graduate College,

Ayodhya, Faizabad (U.P.), 224123 INDIA

(NAAC Accredited B⁺⁺ Grade)

[Affiliated to Dr. R.M.L. Avadh University, Faizabad]

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Personal Details

Date of Birth : September 10, 1977
Sex : Male
Marital Status : Married
Languages Known : English, Hindi
Nationality : Indian

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Educational Qualifications

Ph.D. (Org. Chem.) **D.D.U. Gorakhpur University, Gorakhpur, India**
(Sep, 2005) Supervisor: **Professor Nizamuddin**
Title of Thesis: “Studies on N-Bridged Heterocyclic Crop Protectants”

M.Sc. (Inorg. Chem.) **D.D.U. Gorakhpur University, Gorakhpur, India**
(2000)

M.Sc. (Org. Chem.) **D.D.U. Gorakhpur University, Gorakhpur, India**
(1999)

B.Sc. (Maths) **Gorakhpur University, Gorakhpur, India**
(1997)

Awards and Honors

- Awarded Senior Research fellowship-CSIR, (**CSIR-SRF**), India in February, 2004
- Qualified National Eligibility Test (**NET**) in Chemical Sciences (**CSIR-JRF**) in December, 1999 (Conducted by Council of Scientific & Industrial Research, Human Resource Development Group, New Delhi)
- Qualified National Eligibility Test (**NET**) in Organic Chemistry (**ASRB-ICAR**) in December 1999 and again in October 2001 (Conducted by Agricultural Scientist Recruitment Board, Indian Council of Agricultural Research, New Delhi)
- Qualified Graduate Aptitude Test in Engineering (**GATE**) in Chemistry (Percentile 94.68, All India Rank 174)

Research Experience

- Designed, synthesized, and characterized various N-bridged, heterocycles
- Explored fungicidal, molluscicidal activity of synthesized heterocycles.

Research Interests

- Designing and synthesis of bio-active heterocycles.
- Correlate structure activity relationship.

Experimental Techniques

During my research, I have worked on...

- Synthesis of N-bridged heterocycles.
- UV-Visible spectrometer

Teaching Experience

Teaching U.G. (B.Sc.) and P.G. (M.Sc.) course as a **Assistant Professor** since September, 2006.

Teaching Interests

- Symmetry and Group Theory.
- Spectroscopy
 - 1- Nuclear Magnetic Resonance Spectroscopy
 - 2- Infrared Spectroscopy
 - 3- Ultraviolet and Visible Spectroscopy
 - 4- Mass Spectrometry
 - 5- Structure elucidation of Organic Compounds by analysis of different Spectral data
- Organic Chemistry
 - 1- Reaction Mechanism
 - 2- Stereochemistry
 - 3- Heterocyclic Chemistry

Inorganic Chemistry

- 1- Coordination Chemistry
- 2- Organometallic Chemistry
- 3- Bioinorganic Chemistry

PUBLICATIONS

1. Ashish Vishen, Priti Singh, **Ashutosh Singh**, "Bioremediation of Distillery Effluents Through Water Hyacinth". *Scitech*, **2011**,6,34-37
2. Priti Singh, **A. Singh**, Nizamuddin, " Synthesis and molluscicidal activity of 2-aryloxymethyl-5-aryl-6-thioxo-[1,2,4]triazolo-[3,2-*b*][1,3,4]thiadiazoles". *Ind. J.Hetereo-cycl. Chem.*, **2010**,19,333-336.
3. S.K. Pandey, A. Singh, **A. Singh**, Nizamuddin, "Antimicrobial Studies of some Novel Quinazolinones fused with [1,2,4] triazole, [1,2,4] triazine and [1,2,4,5] terrazine rings." *Euro. J.Med. Chem.*, **2008**,44,1188-97.
4. **Ashutosh Singh**, Nizamuddin, "Synthesis and molluscicidal activity of 6-carboethoxy (2-substituted)-1,3,4- thia/oxadiazolo[2,3-*b*]pyrimidin-5-ones and 5-amino-(2-substituted)-1,3,4-thia/oxadiazolo[2,3-*b*]pyrimidin-7-ones". *J. Ind. Chem. Soc.*, **2005**,82,727-731
5. **Ashutosh Singh**, Nizamuddin, "Synthesis and molluscicidal activity of 6-aryloxymethyl-2,4- dimethyl-1,2,4-triazolo[3,4-*b*]-[1,3,4]-thiadiazepines and 2-arylamino-4- aryloxymethyl-1,2,4- triazolo [3,4-*b*] [1,3,4] thiadiazoles." , *Ind. J. Heterocycl Chem.*, **2004**,14,131-134.
6. Nizamuddin, **Ashutosh Singh**, "Synthesis and molluscicidal activity of (2-substituted)-spiro (cyclohexane)- 1-5 [1,3,4] oxa/thiadiazolo [3,2,*c*] thiazolines," *Ind. J. Chem*, **2004**, 43B, 901-905.

Seminar Proceeding

1. Participated Training cum Awareness Workshop on "**IQAC : Total Internal Quality Management**," (Organized by Government of U.P. and U.P. State Higher Education Council held at Dr. R.M.L. National Law University, Lucknow (March 24,2012)
2. Participated Seminar on "**Scientific Writing in Hindi**" at BHU Varanasi organized by Council of Scientific and Technological Terminology (Ministry of Human Resource Development), Dept. of Higher Education (Feb 16-17, 2011)
3. Participated National Seminar on "**Interface of Industry Biology, and Chemistry Research in 21st century**" held at Dept. of Chemistry, University of Allahabad organized by Allahabad Chapter of Indian Science Congrers Association and Indian Chemical Society (Feb 5-7, 2011)
4. Participated National Seminar on "**Emerging Trends and Advances in Chemical Research**" organized by Chemistry Dept., University of Allahabad, with Allahabad Chapter of Indian Science Congrers Association and Indian Chemical Society (Feb 8-10, 2009)
5. Participated National Seminar on "**Biological Chemistry: Advancing Frontiers**" held at D.D.U. Gorakhpur University (March 22-23, 2005)
6. Participated Harnarain Lal Memorial National Seminar on "**Some Concepts As Function of Molecular Structure**" held at M.G. P.G. College, Gorakhpur (Jan 9-10,2005)

7. Participated National Seminar on “**Advanced Materials**” held at D.D.U. Gorakhpur University, Gorakhpur (March, 22-24, 2002)
8. Participated 48th BRNS-IANCAS National workshop on “**Radiochemistry and Application of Radioisotopes**” held at Chemistry Dept., D.D.U. Gorakhpur University (Oct. 19-28,2002) sponsored by Board of Research in Nuclear Science, DAE and conducted by Indian Association of Nuclear Chemistry and Allied Scientists.

AUTHOR

1. J. Singh, **A. Singh**, J. Singh, “A Logical Approach in Chemistry For CSIR/NET/JRF & GATE, Pragati Prakashan Meerut, 2012
2. R.P. Singh, R.K. Singh, **A. Singh**, P. Chandra. “Inorganic Chemistry”, S.J. Publication Meerut, 2012 (In Hindi also)
3. R.P. Singh, R.K. Singh, **A. Singh**, P. Chandra. “Organic Chemistry”, S.J. Publication Meerut, 2012 (In Hindi also)
4. R.P. Singh, R.K. Singh, **A. Singh**, P. Chandra. “Physical Chemistry”, S.J. Publication Meerut, 2012 (In Hindi also)

Academic Trainings

1. Participated U.G.C. Sponsored **Refresher Course in Chemistry** held at Academic Staff College Allahabad University, Allahabad (Dec. 10,2011 Dec. 30,2011)
2. Participated Government of U.P. sponsored Professional Development Programme and presented a paper entitled “Physico Chemical Characterisation of Pulp and Paper Industry of Faizabad District (U.P.) India. (March 22-March 28,2011)
3. Participated UGC Sponsored **Refresher Course in Chemistry** held at Academic Staff College, Banaras Hindu University Banaras (Feb, 7-Feb 27,2010)
4. Participated UGC sponsored Orientation Course held at Academic Staff College, D.D.U. Gorakhpur University, Gorakhpur (Dec 10, 2008-Jan 6, 2009)

Miscellaneous Assignments

1. **Coordinator**, Internal Quality Assurance Cell (**IQAC**)
2. **Coordinator**, UGC Network Resource Centre (**UGC - NRC**)

References

Prof. Nizamuddin

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