

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.) (Sep, 2005)	D.D.U. Gorakhpur University, Gorakhpur, India Supervisor: Professor Nizamuddin Title of Thesis: “Studies on N-Bridged Heterocyclic Crop Protectants”
M.Sc. (Inorg. Chem.) (2000)	D.D.U. Gorakhpur University, Gorakhpur, India
M.Sc. (Org. Chem.) (1999)	D.D.U. Gorakhpur University, Gorakhpur, India
B.Sc. (Maths) (1997)	Gorakhpur University, Gorakhpur, India

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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