

Curriculum Vitae

Personal information

Name Ahsanullah
Address Department of Chemistry, Quaid-i-Azam University Islamabad, 45320 Islamabad, Pakistan.
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Nationality Pakistani
Date of birth August 01, 1979
Gender Male

Research / Teaching Experience

Assistant Professor Quaid-i-Azam University Islamabad, Pakistan. (13-02-2012 – To date)
Post Doctorate Sanford Burnham Medical Research Institute La Jolla, California, USA. (04/04/2011 – 31-01-2012)
Post Doctorate Leibniz Institute of Molecular Pharmacology Berlin, Germany (01/01/2011 – 01/04/2011)

Education

Ph.D Bioorganic Chemistry (Free University Berlin, Germany) 2010
M.Phil. Organic Chemistry (Quaid-i-Azam University Islamabad, Pakistan) 2006
M.Sc. Chemistry (Government College University Lahore, Pakistan) 2003
B.Sc. Chemistry, Zoology, Botany (Punjab University Lahore, Pakistan) 2001

Dissertations

Ph.D. Exploration of the 1,3-dipolar cycloaddition reaction between azide and phosphorane partners and use in peptide ligation
M.Phil. Synthesis & biological screening of combinatorial libraries of small drug like molecules to establish Structure Activity Relationship
M.Sc. Synthesis of N-sulfamic acids and their esters as artificial sweeteners

Publications

1. miR-TRAP: A Benchtop Chemical Biology Strategy to Identify microRNA Targets
Huricha Baigude, **Ahsanullah**, Zhonghan Li, Ying Zhou, and Tariq M. Rana.
Angew. Chem., Int. Ed. **2012**, DOI: 10.1002/anie.201201512.
2. Soluble peptidyl-phosphoranes for metal-free, regioselective, ligations in organic and aqueous solution
Ahsanullah, Samer Al-Gharabli, J. Rademann. *Org. Lett.* **2012**, 14, 14-17.
3. Peptidyl-heterocycle-chimera: new classes of more drug-like peptidomimetics by ligations of peptide *bis*-electrophiles with various *bis*-nucleophiles
A. El-Dahshan, S. Nazir, **Ahsanullah**, F. L. Ansari, J. Rademann. *Eur. J. Org. Chem.* **2011**, 4, 730-739.
4. Cyclative cleavage via dipolar cycloaddition: polymer bound azido-peptidyl-phosphoranes deliver locked *cis*-triazolyl-cyclopeptides as privileged protein binders
Ahsanullah and J. Rademann. *Angew. Chem., Int. Ed.* **2010**, 49, 5378-5382.
5. Efficient access to peptidyl ketone and peptidyl diketones via C-alkylation and C-acylation of polymer-supported phosphorous ylides followed by hydrolytic or/and oxidative cleavage
A. El-Dahshan, **Ahsanullah**, J. Rademann. *Biopolymers: Peptides Science* **2010**, 94, 220-228.
6. Metal-free, regioselective triazole ligations that deliver locked *cis* peptide mimetics
Ahsanullah, P. Schmeider, R. Kühne, J. Rademann. *Angew. Chem., Int. Ed.* **2009**, 48, 5042-5045.
7. *In silico* studies of urease inhibitors to explore ligand-enzyme interactions
F. L. Ansari, A. Wadood, **Ahsanullah**, F. Iftikhar, Zaheer-ul-Haq. *Journal of Enzyme Inhibition and Medicinal Chemistry* **2009**, 24, 151-156.
8. Microwave assisted synthesis, antibacterial activity against *Bordetella Bronchiseptica* of a library of 3-hydroxyaryl and heteroaryl chalcones and molecular descriptors-based SAR.
F. L. Ansari, M. Baseer, F. Iftikhar, S. Kulsoom, **Ahsanullah**, S. Nazir, A. Shaukat, Ihsan-ul-Haq, B. Mirza. *ARKIVOC* **2009**, 318-332.

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| | 9. Combinatorial Synthesis, Lead Identification and Antitumor Study of Chalcone-Based Positional-Scanning Library Ahsanullah , F. L. Ansari, Ihsan-ul-haq, S. Nazir, B. Mirza. <i>Chemistry & Biodiversity</i> 2007 , 4, 203-214. |
| Work presented in Conferences | |
| | 1. A biocompatible ligation: 1,3-dipolar cycloaddition reaction between phosphoranes and azides 93 rd Canadian Chemistry Conference and Exhibition, Toronto, Canada. 29 th May-02 nd June 2010 . |
| | 2. 1,5-disubstituted triazoles as turn inducing motif in peptides via metal-free regioselective 1,3-dipolar cycloaddition reaction 8 th Australian Peptide Conference, Queensland, Australia. 11 th -16 th October 2009 . |
| | 3. Metal-free triazole ligations deliver conformationally locked "Clack Peptides" 9 th German Peptide Symposium, Goettingen, Germany. 11 th -14 th March 2009 . |
| | 4. Use of phosphorane linker reagent for "Peptide-heterocycles chimera" synthesis 11 th International Symposium on Natural Product Chemistry, Karachi, Pakistan. 28 th October–01 th November, 2008 . |
| | 5. Synthesis and antibacterial screening of a chalcones-based library 6 th International Chemistry Conference, Bahauddin Zakariya University Multan, Pakistan. August 2006 . |
| Honours and awards | |
| | 1 Merit Scholarship in M. Phil., 2005. |
| | 2 HEC-DAAD Scholarship for Ph.D, 2007-2010. |
| Technical skills | |
| | Common techniques used in synthetic lab.; solution phase as well as solid phase synthesis, use of analytical instruments including NMR, LCMS, HPLC etc. and chemistry related soft wares. |
| Research interests | |
| | Chemical biology with focus on medicinal chemistry and application of chemical reactions to probe processes in living systems, Chemistry of Biomolecules (proteins, sugars and nucleic acids) |
| References | |
| | 1 Prof. Dr. Joerg Rademann Leibniz Institute of Molecular Pharmacology (FMP) Robert Roessle-Str. 10, House C87, 13125 Berlin, Germany rademann@uni-leipzig.de |
| | 2 Prof. Dr. Farzana Latif Ansari Department of chemistry, Quaid-i-Azam university, 45320 Islamabad, Pakistan fla_qau@yahoo.com |