




Faculty Details proforma for DU Web-site

Title	Dr.	First Name	BK	Last Name	Singh	
Designation		Assistant Professor				
Address		Department of Chemistry University of Delhi, Delhi, India				
Phone No	Office	011-27666646 ext. 136				
Residence						
Mobile						
Email		Singhbk@chemistry.du.ac.in				
Web-Page		http://people.du.ac.in/~singhbk/index.htm				
Educational Qualifications						
Degree		Institution			Year	
Ph.D.		Department of Chemistry, University of Delhi (Title: Synthesis of Novel Bioactive Thionylated Polyphenolics & Pyrazinone Derivatives Using Microwave Irradiation Under Solid Phase Conditions and Simultaneous Cooling.)			2007	
M.Phil. / M.Tech.						
PG		Department of Chemistry, University of Delhi			2003	
UG		Motilal Nehru College, University of Delhi			2001	
Any other qualification						
Career Profile						
1. Assistant Professor					February 2010-till date	
		Department of Chemistry University of Delhi, Delhi, India				
2. Associate Academic Staff					May 2007-October 2009	
		Department of Chemistry University of Leuven, Leuven, Belgium				
3. Visiting Fellow					July 2007-September 2007	
		Department of Organic Chemistry Faculty of Bioscience Engineering				

Ghent University, Belgium	
4. International Scholar	November 2005- March 2007
Department of Chemistry	
University of Leuven, Leuven, Belgium	
5. Erasmus Mundas Visiting Scholar	20th June 2014- 20th July 2014
Department of Chemistry	
University of Leuven, Leuven, Belgium	
Administrative Assignments	
Areas of Interest / Specialization	
<ul style="list-style-type: none"> • Microwave Assisted Synthesis: Solution and Solid phase approach. • Bio-catalysis and Metal-Catalysis. • Synthesis of Peptidomimetic Small Molecules. • Biochemistry of malaria parasite and HIV virus. • Synthesis of enzyme-inhibitor complex. 	
Subjects Taught	
<ul style="list-style-type: none"> • Theoretical Courses: <i>Spectroscopy I and Spectroscopy II</i> M. Tech. (Chemical Synthesis and Process Technologies) Department of Chemistry University of Delhi, Delhi, India • Practical / Experimental Courses M. Sc. (Chemistry) Department of Chemistry University of Delhi, Delhi, India 	
Research Guidance	
List against each head (If applicable)	
1. Supervision of awarded Doctoral Thesis	One
2. Supervision of Doctoral Thesis, under progress	Four
3. Supervision of awarded M.Phil dissertations	Nil
4. Supervision of M.Phil dissertations, under progress	Nil
Publications Profile	

List against each head(If applicable) (as Illustrated with examples)

1. Books/Monographs (Authored/Edited) Nil

2. Research papers published in Refereed/Peer Reviewed Journals:

Patents:

1. Thionated cinnamates and process for preparation thereof. Balaram Ghosh, Virinder S. Parmar, Ashok K. Prasad, **Brajendra K. Singh**, Sarvesh Kumar. *Indian Pat. Appl.* (2012), IN 2010DE00960 A 20121019.
2. Spiro[indoline-isoxazolidine] compounds having inhibitory effects on cytokine-induced cell adhesion molecule (ICAM-1) expression onto human endothelial cells. Balaram Ghosh, Virinder S. Parmar, Ashok K. Prasad, **Brajendra K. Singh**, Sakshi Balwani, Shashwat Malhotra. *Indian Pat. Appl.* (2012), IN 2011DE00115 A 20120720.

Publications:

1. Design, synthesis and biological evaluation of functionalized phthalimides: A new class of antimalarials and inhibitors of falcipain-2, a major hemoglobinase of malaria parasite. Singh, Anil K. ; Rajendran, Vinoth; Pant, Akansha; Ghosh, Prahlad C.; Singh, Neelu; Latha, N.; Garg, Sandeep; Pandey, Kailash C.; **Brajendra K. Singh**; Rathi, Brijesh *Bioorganic and Medicinal Chemistry*, **2015**, *23*, 1817-1827.
2. Highly Selective Biocatalytic Transesterification Reactions on Aryl 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoates. Kumar, Gaurav, Dhawan, Ashish, **Brajendra K. Singh**.; Sharma, Nawal K.; Sharma, Sunil K., Prasad, Ashok K.; Vander Eycken, Erik V.; Len, Christophe; Watterson, Arthur C.; Parmar, Virinder S. *Catalysis Letters* **2015** *145*, 919-929.
3. Cu(I)-catalyzed microwave-assisted synthesis of 1,2,3-triazole linked with 4-thiazolidinones: a one-pot sequential approach. Yogesh Kumar, Akansha Matta, Prasant Kumar, V. S. Parmar, Erik V. Van der Eycken, **Brajendra K. Singh** *RSC Advances* **2015**, *5*, 1628-1639.
4. Microwave-assisted Cu(I)-catalyzed, three-component synthesis of 2-(4-((1-phenyl-1H-1,2,3-triazol-4-yl)methoxy)phenyl)-1H-benzo[d]imidazoles. Yogesh Kumar, Vijay Bahadur, Anil K. Singh, V. S. Parmar, Erik V. Van der Eycken, **Brajendra K. Singh** *Beilstein J. Org. Chem.* **2014**, *10*, 1413.
5. Synthesis, structural aspects and Nonlinear optical properties of novel phthalimide derivatives: Theoretical and Experimental approach. Anil K. Singh, V. Balachandran, N Vijayan, Vijay Bahadur, **Brajendra K. Singh** and Brijesh Rathi *Journal of Physical Organic Chemistry* **2014**, *27*, 490-497.

6. O₂-dependent efficacy of novel piperidine/piperazine-based chalcones against the human parasite *Giardia intestinalis*. Vijay Bahadur, Daniela Mastronicola, Hemandra Kumar Tiwari, Yogesh Kumar, Micol Falabella, Leopoldo Paolo Pucillo, Paolo Sarti, Alessandro Giuffrè and **Brajendra K. Singh** *Antimicrobial Agents and Chemotherapy* **2014**, *58*, 543-549.
7. Functionalized Hydroxyethylamine Based Peptide Nanostructures As Potential Inhibitors of Falcipain-3, an Essential Proteases of *Plasmodium falciparum*. Brijesh Rathi, Anil K. Singh, Ram Kishan, Neelu Singh, N. Latha, S. Srinivasan, Kailash C Pandey, Hemandra K. Tiwari and **Brajendra K. Singh**. *Bioorganic and Medicinal Chemistry*, **2013**, *21*, 5503
8. Microwave-Assisted Copper Azide Alkyne Cycloaddition (CuAAC) Reaction using D-Glucose as a Better Alternative Reductant. Yogesh Kumar, Vijay Bahadur, Anil K. Singh, V. S. Parmar, **Brajendra K. Singh** *J. Indian Chem. Soc.* **2013**, *90*, 1893-1903.
9. Entry of chiral phthalimides with significant second order nonlinear optical and piezoelectric properties. Anil K Singh, Ram Kishan, N. Vijayan, V. Balachandran, Taruna Singh, Hemandra K Tiwari, **Brajendra K. Singh** and Brijesh Rathi. *RSC Advances* 2013, *3*, 14750-14756.
10. A novel cinnamate derivative attenuates asthma features and reduces bronchial epithelial injury in mouse model. Sarvesh Kumar, Ulaganathan Mabalirajan, Rakhshinda Rehman, **Brajendra K. Singh**, Virinder S. Parmar, Ashok K. Prasad, Shyam Biswal, Balam Ghosh. *International Immunopharmacology* **2013**, *15* 150-159.
11. De novo design of small molecule inhibitors targeting the LEDGF/p75-HIV integrase interaction. Claudia Cavalluzzo, Arnout Voet, Frauke Christ, **Brajendra K. Singh**, Ajendra Sharma, Zeger Debyser, Marc De Maeyer, Erik Van der Eycken. *RSC Advances* **2012**, *2*, 974-984.
12. Arylalkyl Ketones, Benzophenones, Desoxybenzoins and Chalcones Inhibit TNF- α Induced Expression of ICAM-1: Structure-Activity Analysis. Kumar, Sarvesh; Reddy L, Chandra Shekhar; Kumar, Yogesh; Kumar, Amit; **Brajendra K. Singh**, Kumar, Vineet; Malhotra, Shashwat; Pandey, Mukesh K.; Jain, Rajni; Thimmulappa, Rajesh; Sharma, Sunil K.; Prasad, Ashok K.; Biswal, Shyam; Van der Eycken, Erik; DePass, Anthony L.; Malhotra, Sanjay V.; Ghosh, Balam; Parmar, Virinder S. *Archiv der Pharmazie* **2012**, *345*, 368-377.
13. Design, synthesis and biological activity evaluation of regioisomeric spiro-(indoline-isoxazolidines) on the inhibition of TNF- α induced ICAM-1 expression on human endothelial cells. By Malhotra, Shashwat; Balwani, Sakshi; Dhawan, Ashish; Raunak; Kumar, Yogesh; **Brajendra K. Singh**, Olsen, Carl E.; Prasad, Ashok K.; Parmar, Virinder S.; Ghosh, Balam *Med. Chem. Comm.* **2012**, *3*, 1536-1547.
14. Synthesis and biological activity evaluation of *N*-protected isatin derivatives as potent inhibitors of ICAM-1 expression on human endothelial cells. Shashwat Malhotra, Sakshi Balwani, Ashish

- Dhawan, **Brajendra K. Singh**, Sarvesh Kumar, Rajesh Thimmulappa, Shyam Biswal, Carl E. Olsen, Erik van Eycken Ashok K. Prasad, Balaram Ghosh and Virinder S. Parmar *Med. Chem. Comm.* **2011**, 2, 743-751.
15. Novel Natural Product-based Cinnamates and Their Thio and thiono-analogs as Potent Inhibitors of Cell Adhesion Molecules on Human Endothelial Cells. Sarvesh Kumar, **Brajendra K. Singh**, Pragya Arya, Shashwat Malhotra, Rajesh Thimmulappa, Ashok K. Prasad, Erik Van der Eycken, Carl E Olsen, Anthony L. DePass, Shyam Biswal, Virinder S. Parmar and Balaram Ghosh *Eur. J. Med. Chem.* **2011**, 46, 5498-5511.
16. *In vitro* interactions of coumarins with iron Přemysl Mladěnka, Kateřina Macáková, Libuše Zatloukalová, Zuzana Řeháková, **Brajendra K. Singh**, Ashok K. Prasad, Virinder S. Parmar, Luděk Jahodář, Radomír Hrdina and Luciano Saso. *Biochimie*, **2010**, 92, 1108-1114.
17. Antioxidant properties of 4-methylcoumarins in *in vitro* cell-free systems Morabito Giuseppa, Trombetta Domenico, **Brajendra K. Singh**, Ashok K. Prasad, Virinder S. Parmar, Naccari Clara, Mancari Ferdinando, Saija Antonina, Cristani Mariateresa, Firuzi Omidreza, Luciano Saso. *Biochimie*, **2010**, 92, 1101-1107.
18. Synthesis and lipase-catalysed enantioselective acylation studies on ethyl 4-aryl-3,4-dihydropyrimidin-2(1*H*)-ones. Ashok K Prasad, Pragya Arya, Sumati Bhatia, Raman K Sharma, Rishipal Singh, **Brajendra K. Singh**, Erik Van der Eycken, Rajpal Singh, Carl E Olsen and Virinder S Parmar. *Indian J. Chem.* **2009**, 48B, 1738-1748.
19. Microwave Assisted Palladium-Catalyzed Heterogeneous Vinylation of 2(1*H*)-pyridone. **Brajendra K. Singh**, Claudia Cavalluzzo, Marc De Maeyer, Zeger Debyser, Virinder S. Parmar and Erik Van der Eycken *E. J. Org.*, **2009**, 4589-4592.
20. Microwave-Assisted Silver Carbonate-Mediated Selective O-Alkylation of aromatic imidate systems: Systematic Study of Microwave Irradiation Effect on Nitrogen vs Oxygen Alkylation. **Brajendra K. Singh**, Claudia Cavalluzzo, Marc De Maeyer, Zeger Debyser, Virinder S. Parmar and Erik Van der Eycken *Synthesis* **2009**, 2725-2728.
21. Copper-Mediated N- and O- Arylations with Phenylboronic Acids in a Continuous flow Microreactor. **Brajendra K. Singh**, Christian V. Stevens, Davy R. J. Acke, Virinder S. Parmar and Erik V. Van der Eycken. *Tetrahedron Letters*, **2009**, 50, 15-18.
22. Rapid Pd-Catalysed C3-Arylation of 2(1*H*)-pyrazinones: Effect of Simultaneous Cooling on Microwave-assisted reactions on solid support. **Brajendra K. Singh**, Virinder S. Parmar and Erik V. Van der Eycken. *Synlett*, **2008**, 3021-3025.
23. Transition Metal-Catalyzed Carbon Carbon Bond Formation Suzuki, Heck, and Sonogashira Reactions Using Microwave and Microtechnology. **Brajendra K. Singh**, Nadya Kaval, Erik Van

- der Eycken and V. S. Parmar. *Org. Process. Res. Dev.* **2008**, *12*, 468-474.
24. Palladium-catalyzed copper (I)-mediated coupling of arylboronic acids and 2(1*H*)-pyrazinones facilitated by microwave irradiation with simultaneous cooling. **Brajendra K. Singh**, V. P. Mehta, V. S. Parmar and Erik Van der Eycken. *Organic and Biomolecular Chemistry*, **2007**, *5*, 2962-2965.
 25. Transition metal-catalyzed orthogonal solid-phase decoration of the 2(1*H*)-pyrazinone scaffold using a sulfur linker. Nadya Kaval, **Brajendra K. Singh**, D. S. Ermolat'ev, Stijn Claerhout, V. S. Parmar, Johan Van der Eycken and Erik Van der Eycken. *Journal of Combinatorial Chemistry*, **2007**, *9*, 446-453.
 26. Chromone analog inhibits TNF- α induced expression of cell adhesion molecules on human endothelial cells via blocking NF- κ B activation. Sarvesh Kumar, **Brajendra K. Singh**, A. K. Pandey, Ajit Kumar, S. K. Sharma, H. G. Raj, A. K. Prasad, Erik Van der Eycken, V. S. Parmar and Balaram Ghosh. *Bioorganic and Medicinal Chemistry*, **2007**, *15*, 2952-2962.
 27. Specificities of acetoxy derivatives of coumarins, biscoumarins, chromones, flavones, isoflavones and xanthenes for acetoxy drug: protein transacetylase. Ajit Kumar, **Brajendra K. Singh**, N. K. Sharma, K. Gyanda, S. K. Jain, Y. K. Tyagi, A. S. Baghel, Mukesh Pandey, S. K. Sharma, A. K. Prasad, S. C. Jain, R. C. Rastogi, H. G. Raj, A. C. Watterson, Erik Van der Eycken and V. S. Parmar. *European Journal of Medicinal Chemistry*, **2007**, *42*, 447-455.
 28. Copper (II)-mediated cross-coupling of arylboronic acids and 2(1*H*)-pyrazinones facilitated by microwave irradiation with simultaneous cooling. **Brajendra K. Singh**, Prasad Appukkuttan, Stijn Claerhout, V. S. Parmar and Erik Van der Eycken. *Organic Letters*, **2006**, *8*, 1863-1866.
 29. Novel aromatic ester from *Piper longum* and its analogues inhibit expression of cell adhesion molecules on endothelial cells. Sarvesh Kumar, Pragya Arya, Chandrani Mukherjee, **Brajendra K. Singh**, Naresh Singh, V. S. Parmar, A. K. Prasad, Balaram Ghosh. *Biochemistry*, **2005**, *44*, 15944-15952.
 30. Solvent-free biocatalytic amidation of carboxylic acids. A. K. Prasad, Mofazzal Husain, **Brajendra K. Singh**, R. K. Gupta, V. K. Manchanda, C. E. Olsen and V. S. Parmar. *Tetrahedron Letters*, **2005**, *46*, 4511-4514.
 31. Mechanism of biochemical action of substituted 4-methylcoumarins. Part 11: Comparison of the specificities of acetoxy derivatives of 4-methylcoumarin and 4-phenylcoumarin to acetoxycoumarins: protein transacetylase. Ajit Kumar, **Brajendra K. Singh**, Rahul Tyagi, S. K. Jain, S. K. Sharma, A. K. Prasad, H. G. Raj, R. C. Rastogi and V. S. Parmar. *Bioorganic and Medicinal Chemistry*, **2005**, *13*, 4300-4305.
 32. Acetoxy drug: protein transacetylase: A novel enzyme mediating protein acetylation by

polyphenolic peracetates. H. G. Raj, **Brajendra K. Singh**, V. S. Parmar, Ekta Kohli, B. S. Dwarkanath, S. C. Jain, R. C. Rastogi, Ajit Kumar, J. S. Adhikari, A. C. Watterson and C. E. Olsen. *Pure and Applied Chemistry*, **2005**, 77, 245-250.

33. Novel thiocoumarins as inhibitors of TNF- α induced ICAM-1 expression on human umbilical vein endothelial cells (HUVECs) and microsomal lipid peroxidation. Sarvesh Kumar, **Brajendra K. Singh**, Neerja Kalra, Vineet Kumar, A. K. Prasad, H. G. Raj, V. S. Parmar and Balaram Ghosh. *Bioorganic and Medicinal Chemistry*, **2005**, 13, 1605-1613.

34. Acetoxy drug: protein transacetylase: A novel enzyme mediating protein acetylation by polyphenolic peracetates. H. G. Raj, V. S. Parmar, Ekta Kohli, B. S. Dwarkanath, S. C. Jain, R. C. Rastogi, Ajit Kumar, **Brajendra K. Singh**, J. S. Adhikari, A. C. Watterson and C. E. Olsen. *Bioresources Towards Drug Discovery and Development*, Editors: A. Guib-Fakim, P. Ramasami, H. Li Kam Wah, S. Jhaumeer-Laulloo and A. H. Subratty. University of Mauritius press, Reduit, **2005**, 205-212.

Conference Organization/ Presentations (in the last three years)

1. Organization of a Conference: Nil

2. Participation as Paper/Poster Presenter:

1. International Conference on Biodiversity and Natural Products: Chemistry and Medicinal Applications, New Delhi, India. 26-31 January 2004. **Poster:** *Lipase-mediated acylation studies on (\pm)-3-aryl-3-hydroxymethyl-2,3-dihydro-4H,-1-benzopyran-4-Ones.*
2. 6th CRSI (Chemical Research Society of India) National Symposium, Indian Institute of Technology, Kanpur, UP, India. 6-8 February 2004. **Poster:** *Lipase-mediated enantioselective amidation of aliphatic acid.*
3. 41st Annual Convention of Chemists, Department of Chemistry, University of Delhi, Delhi, 23-27 December 2004.
4. 9th Sigma-Aldrich Organic Synthesis Meeting, Sol Cress-Spa, Belgium. 1-2 December 2005.
5. Advances in Microwave-Assisted Organic Synthesis, MAOS 2006, Budapest, Hungary. 26-27 August 2006. **Poster:** *Transition Metal-Mediated Cross-Coupling of 2(1H)-Pyrazinones Facilitated by Irradiation with Simultaneous Microwave Cooling.*
6. 1st European Chemistry Congress, Budapest, Hungary. 27-31 August 2006. **Poster:** *Transition Metal-Mediated Cross-Coupling of 2(1H)-Pyrazinones Facilitated by Microwave Irradiation with Simultaneous Cooling.*
7. 9th CRSI National Symposium in Chemistry, Department of Chemistry, University of

- Delhi, Delhi, India. 1-4 February 2007. **Poster:** *Transition Metal-Mediated Cross-Coupling of 2(1H)-Pyrazinones Facilitated by Microwave Irradiation with Simultaneous Cooling.*
8. 2nd Indo-Italian Workshop on Chemistry and Biology of Antioxidants, Sapienza University of Rome, Rome, Italy. 9-11 July 2007.
 9. 11th Sigma-Aldrich Organic Synthesis Meeting, Sol Cress-Spa, Belgium. 6-7 December 2007. **Poster:** *Design and Synthesis of Novel Esters and Heterocyclic Compounds: Inhibitors of TNF- α Induced ICAM-1 Expression on Human Umbilical Vein Endothelial Cells (HUVECS)*
 10. VJC9, University of Antwerp, Belgium. 4 April 2008. **Poster:** *Design and Synthesis of Novel Esters and Heterocyclic Compounds: Inhibitors of TNF- α Induced ICAM-1 Expression on Human Umbilical Vein Endothelial Cells (HUVECS)*
 11. 11th Belgian Organic Synthesis Symposium BOSS XIGhent University, Ghent (Belgium), 13-18 July 2008. **Poster:** *Copper-Mediated N- and O- Arylations with Phenylboronic Acids in a Continuous flow Microreactor*
 12. XXIIIrd European Colloquium on Heterocyclic Chemistry, University of Antwerp, Belgium. 9-13 September 2008. **Poster:** *Copper-Mediated N- and O- Arylations with Phenylboronic Acids in a Continuous flow Microreactor*
 13. 1st Indo-German mini symposium Free University Berlin, Berlin, Germany. 8-9 September 2008.
 14. 12th Sigma-Aldrich Organic Synthesis Meeting, Sol Cress-Spa, Belgium. 4-5 December 2008. **Poster:** *Peptide Synthesis Applying the Liberty Microwave Peptide Synthesizer.*
 15. T3D, Department of Chemistry, University of Delhi, 5-8 January 2010 Delhi, India. **Poster:** *Microwave-Assisted Palladium-Catalyzed Heterogeneous Vinylation of 2(1H)-pyridones.*
 16. 7th Indo-Italian Workshop on Chemistry and Biology of Antioxidants, Department of Chemistry, University of Delhi, Delhi, India. 16th November 2010. **Poster:** *Enzymatic Antioxidant Evaluation of Plumeria rubra*
 17. 4th Indo-Italian Seminar on Green Chemistry and Natural Products, Department of Chemistry, University of Delhi, Delhi, India. 17th November 2010. **Poster:** *Microwave-Assisted Silver (I)-Mediated Selective O-Alkylation of Aromatic Imidate Systems.*
 18. 19th ISCB International Conference (ISCB-2013), Department of Chemistry, University College of Science, Mohanlal Sukhadia University, Udaipur, Rajasthan, India, 2nd - 5th

March, 2013.

19.20th ISCB International Conference (ISCBC-2014), Department of Chemistry, University of Delhi, Delhi, India, 1st - 4th March, 2014.

20.14th Belgian Organic Synthesis Symposium BOSS XIV UCL, Louvain-la-Neuve (Belgium), 13-18 July 2014.

Research Projects (Major Grants/Research Collaboration)

- ✓ **University of Delhi:** *Strengthen R & D Doctoral Research Programme by providing funds to university faculty (2.5 Lac for year 2010, 2.5 Lac for 2011 & 2.5 Lac for 2012)*
- ✓ Department of Science & Technology: Fast Track Scheme for Young Scientist
Microwave Assisted Synthesis of Proteomimetics for the Inhibition of the Interaction of HIV-Integrase and Cellular Cofactor LEDGF/p75 (26.52 Lac for three years)
- ✓ *Principal Investigator of Indo-Ukrainian Joint Project titled "Design and synthesis of novel functionalized chalcones as inhibitors of hemoglobin-degrading malarial cysteine proteases, falcipain 2/3", 2012-15 (10 Lac for three years)*
- ✓ *Indo-Belgian Research and Technology Cooperation 2012 topping-up grant 2014-2017 (30 Lac for three years)*

Awards and Distinctions

- Received student meritorious awards in B.Sc for holding 1st position in the college for years 1998-2001.
- Qualified CSIR-National Eligibility Test 20004 (Exam conducted by Council of Scientific and Industrial Research, India for eligibility of Lecturership).
- Worked as International Scholar at the *Laboratory for Organic and Microwave-Assisted Chemistry (LOMAC), Department of Chemistry, K.U. Leuven, Heverlee, Belgium* with *Professor Erik Van der Eycken* from Nov 2005 - March 2007.
- Worked as postdoctoral fellow at the *Laboratory for Organic and Microwave-Assisted Chemistry (LOMAC), Department of Chemistry, K.U. Leuven, Heverlee, Belgium* with *Professor Erik Van der Eycken* from May 2007 - October 2009.
- Worked as Visiting Fellow at Department of Organic Chemistry, Faculty of Bioscience Engineering, Ghent University, Belgium with *Professor Christian Stevens* from July 2007 - September 2007

Association With Professional Bodies

- Editing
- Reviewing

- Advisory
- Committees and Boards
- Memberships
- Office Bearer

Other Activities

Invited Talk/Oral Presentation:

- 2nd Indo-Italian Workshop on Chemistry and Biology of Antioxidants, Sapienza University of Rome, Rome, Italy. **9-11 July 2007**. *Antioxidant Activity of Some Selected Natural Polyphenolic Compounds and Efficient Synthesis of Heterocyclic Compounds*.
- 1st Indo-German mini symposium Free University Berlin, Berlin, Germany. **8-9 September 2008**. *Simultaneous Liquid Cooling A New Avenue to Microwave Assisted Organic Synthesis*.
- 12th Sigma-Aldrich Organic Synthesis Meeting, Sol Cress-Spa, Belgium. **4-5 December 2008**