

Curriculum Vitae

Name Syed R Hussaini Rank Assistant Professor Department/Discipline Chemistry/Organic

Full Time X Part Time T.U. Faculty Appointment August, 2009

Degrees Earned (include dates and name of institution)

B. Sc. (Chemistry with honors) 1995, University of Karachi, Pakistan
 M. Sc. (Organic Chemistry) 1996, University of Karachi, Pakistan
 D. Phil. (Synthetic Organic Chemistry) 2004, University of Oxford

Area of Specialization

Synthetic Organic Chemistry – Synthetic Methodology, Catalysis and Total Synthesis

Professional Experience

2016	JSPS Invited Fellow	Tokyo University of Agriculture and Technology
2009-present	Assistant Professor	The University of Tulsa
2007-2009	Assistant Professor (term)	The University of Louisville
2006-2007	Postdoctoral Scholar	University of Kentucky
2007	Part-time Instructor	University of Kentucky
2005-2006	Postdoctoral Associate	Emory University
2004-2005	Postdoctoral Research Scholar	University of Kentucky
1997	Quality Control/Assurance Analyst	Eli Lilly-Gohar Private Ltd., Pakistan

Honors/Awards

Invited Fellow, Japan Society for the Promotion of Science, 2016, Tokyo University of Agriculture and Technology.

Tau Beta Pi, The University of Tulsa, Teacher of the Year, April 2014. The 2014 Teaching Excellence Award was given by the College of Engineering and Natural Sciences in Recognition of Outstanding Achievement in Education.

A. Publications in Refereed Journals

19. "The Eschenmoser sulfide contraction method and its applications in the synthesis of natural products", S. R. Hussaini, R. R. Chamala and Z. Wang, *Tetrahedron*, 2015, 71, (36), 6017–6086 (DOI: 10.1016/j.tet.2015.06.026).

18. "Identification of novel proteasome inhibitors from an enaminone library", M. Elliott, K. Thomas, S. Kennedy, N. D. Koduri, **S. R. Hussaini**, and R. Sheaff, *Chemical Biology & Drug Design*, 2015, 86, (3), 322–332 (DOI: 10.1111/cbdd.12496).
17. "Enaminones via ruthenium catalyzed coupling of thioamides and α -diazocarbonyl compounds", N. D. Koduri, Z. Wang, G. Cannell, K. Cooley, T. Tsebaot, K. Miao, M. Nguyen, B. Frohock, M. Castaneda, H. Scott and **S. R. Hussaini**, *The Journal of Organic Chemistry*, **2014**, 79, 7405–7414 (DOI: 10.1021/jo5011312).
16. "Converting chair-like transition states into zig-zag projections", **S. R. Hussaini**, *Resonance – Journal of Science Education*, **2014**, 19, 846–850.
15. "Acceleration of the Eschenmoser Coupling Reaction by Sonication: Efficient Synthesis of Enaminones", N. D. Koduri, B. Hileman, J. D. Cox, H. Scott, P. Hoang, A. Robbins, K. Bowers, L. Tsebaot, K. Miao, M. Castaneda, M. Coffin, G. Wei, A. Dave, B. J. James, T. D. W. Claridge, R. J. Sheaff, K. P. Roberts and **S. R. Hussaini**, *RSC Advances*, **2013**, 3 (1), 181–188 (DOI: 10.1039/c2ra22033d).
14. "Ruthenium catalyzed synthesis of enaminones", N. D. Koduri, H. Scott, B. Hileman, J. D. Cox, M. Coffin, L. Glicksberg and **S. R. Hussaini**, *Org. Lett.*, **2012**, 14, (2), 440–443 (DOI: 10.1021/ol20281d).
13. "Understanding Newman Projections with the help of hands", **S. R. Hussaini**, *Resonance*, **2012**, 17, 291–294.
12. "Synthesis of stacked-cup carbon nanotubes in a metal free low temperature system", Y. Kimura, J. A. Nuth, N. M. Johnson, K. D. Farmer, K. P. Roberts and **S. R. Hussaini**, *Nanoscale Nanotechnol. Lett.*, **2011**, 3, 4–10 (DOI: 10.1166/nnl.2011.1111).
11. "Interconversion of Fischer and Zig-zag Projections: Learning Stereochemistry with the Help of Hands", **S. R. Hussaini**, *Resonance*, **2010**, 15, 351–354.
10. "Eschenmoser coupling reaction of selenoamides. Synthesis of enamine ester", **S. R. Hussaini** and G. B. Hammond, *ARKIVOC*, **2008**, xiii, 129–136.
9. "2,5-Disubstituted pyrrolidines: synthesis by enamine reduction and subsequent regioselective and diastereoselective alkylations", **S. R. Hussaini** and M.G. Moloney, *Org. Biomol. Chem.*, **2006**, 4, 2600–2615.
8. "On the Sequence of Bond Formation in Loline Alkaloid Biosynthesis", J. R. Faulkner, **S. R. Hussaini**, J. D. Blankenship, S. Pal, B. M. Branan, R. B. Grossman and C. L. Schardl, *ChemBioChem.*, **2006**, 7, 1078–1088.
7. "Regioselective Reduction of β -enaminoesters", **S. R. Hussaini** and M. G. Moloney, *Synth. Commun.*, **2005**, 35, 1129–1134.

6. "Butyrylcholinesterase Inhibitory Lignans from *Sacrostemma viminale*", V. U. Ahmad, M. Zubair, M. A. Abbasi, F. Kousar, S. A. Nawaz, M. I. Choudhary and **S. R. Hussaini**, *Proc. Pakistan Acad. Sci.*, **2005**, 42, (3), 167–171.
5. *Cis*-Selective Synthesis of 2,5-Disubstituted Pyrrolidines", **S. R. Hussaini** and M. G. Moloney, *Tetrahedron Lett.*, **2004**, 45, (6), 1125–1127.
4. "2,5-Disubstituted Pyrrolidines: versatile regioselective and diastereoselective synthesis by enamine reduction and subsequent alkylation", **S. R. Hussaini** and M. G. Moloney, *Org. Biomol. Chem.*, **2003**, 1, (11), 1838–1841.
3. "Matricarin", M. Parvez, V. U. Ahmad, U. Farooq, A. R. Jassbi and **S. R. Hussaini**, *Acta Crystallographica Sec. E*, **2002**, E58, o324–o325.
2. "Eight New Diterpenoids from *Euphorbia decipiens*", M. Zahid, **S. R. Hussaini**, M. Abbas, Y. Pan, A. R. Jassbi, M. Asim, M. Parvez, W. Voelter and V. U. Ahmad, *Helv. Chim. Acta*, **2001**, 84, 1980–1988.
1. "Flavonoids of *Tephrosia purpurea*", V. U. Ahmad, Z. Ali, **S. R. Hussaini**, F. Iqbal, M. Zahid, M. Abbas, and N. Saba, *Fitoterapia*, **1999**, 70, 443–445.

B. Books

S. R. Hussaini, "Reaction Mechanisms for Organic I and II", manuscript in preparation.