Name: Dr. Komal Jakhar

Designation: Assistant Professor

Department: Department of Chemistry,
M.D. University, Rohtak

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Nationality: Indian

Date of Birth: 31-08-1983

Date of Joining M.D.U: 1 May 2010

Field of Specialization: Organic Chemistry

Teaching Experience: 7 Years 8 Month

Research Experience: 11 Years

Research Area: Heterocyclic Synthesis, Green Chemistry

Research Supervision: One (Degree Awarded)

Educational Qualifications:

Degree	Year of Passing	University
B.Sc	2002	M.D. University, Rohtak
M.Sc	2004	M.D. University, Rohtak
Ph.D	2010	M.D. University, Rohtak

Career Profile:

Designation	Institution Served	Duration

		From	To
Assistant Professor	M.D. University, Rohtak	1 May 2010	Till Date

Academic Societies Membership:

1. Life Member of Indian Science Congress Association, Kolkata.
2. Life Member of Indian Thermodynamic Society

Participation in Conferences/Seminars/Workshops: 17

Courses Attended: 03

1. Attended Orientation Program from 06-06-2011 to 04-07-2011 at U.G.C. Academic Staff College, B.P.S. Mahila Vishwavidyalaya Khanpur Kalan, Sonepat, Haryana.
2. Attended Refresher Course in Chemistry from 18-11-2013 to 07-12-2013 at U.G.C. Academic Staff College, Jamia Milia Islamia, New Delhi.
3. Attended Refresher course in Environmental Studies from 15-11-2017 to 06-12-2017 at U.G.C. Human Resource Development Centre, B.P.S. Mahila Vishwavidyalaya Khanpur Kalan, Sonepat, Haryana.

Publications: 12

List of Publications:

1. An eco-friendly oxidative bromination of alkanones by an aqueous grinding technique, K. Jakhar and J.K. Makrandi, Green Chemistry Letters and Reviews, 2008, 1, 219-221.
2. Synthesis and antibacterial activity of 3-(coumarin-3-yl)acylthio-5H-1,2,4-triazino[5,6-b]indoles, Komal Jakhar and J.K. Makrandi, Indian Journal of Heterocyclic Chemistry, 2010, 20, 189-190.
3. Synthesis of 2-aryl-5- (benzofuran-2-yl)- thiazolo [3,2-b] [1,2,4] triazoles using green procedures and their antibacterial activity, Komal Jakhar and J.K. Makrandi, Indian Journal of Chemistry, Sec B, 2012, 51B, 531-536.
4. An efficient synthesis of 3-bromoflavones under solvent free conditions using grinding technique, Komal Jakhar and J.K. Makrandi, Indian Journal of Chemistry, Sec B, 2012, 51B, 770-773.

5. A green synthesis and antibacterial activity of 2-aryl-5-(coumarin-3-yl)-thiazolo[3,2-b][1,2,4]triazoles, Komal Jakhar and J.K. Makrandi, Indian Journal of Chemistry, Sec B, 51B, 1511-1516.
6. Synthesis and antibacterial activity of 3-(cinnoline-3-yl)acylthio-5H-1,2,4-triazino[5,6-b]indoles, Komal Jakhar and J.K. Makrandi, Indian Journal of Heterocyclic Chemistry, 2012, 22, 173-176.
7. Eco-friendly bromination of chalcones and synthesis of flavones using grinding techniques
   Komal Jakhar and J.K. Makrandi, Indian Journal of Chemistry, Sec-B, 2013, 52B, 141-145.
8. A proficient role of Zirconium oxychloride octahydrate with sodium nitrite for deoximation of various aldoximes and ketoximes under solvent free conditions, P. Sharma, R. Singh and K. Jakhar, Journal of Advanced Chemical Sciences, 2016, 2(4), 400-402.
9. Montmorillonite K-10 catalyzed facile synthesis of 1,3-disubstituted ureas from biuret under solvent free conditions, K. Jakhar, R. Singh and P. Sharma, Journal of Advanced Chemical Sciences, 2016, 2(4), 409-411.
10. Synthesis and antimicrobial evaluation of urea and thiourea derivatives of sulfonic acid, Rashmi Singh, Komal Jakhar, Priti Sharma and G. Vinoth Kumar, Der Pharma Chemica, 2016, 8(19), 261-267.
11. Green synthesis of saccharin substituted urea and thiourea derivatives and their antimicrobial evaluation, Rashmi Singh and Komal Jakhar, Der Pharma Chemica, 2016, 8(20), 175-181.
12. $ZrOCl_2.8H_2O$: An efficient catalyst for the synthesis of N,N-disubstituted ureas from biuret under solvent free conditions, Rashmi Singh, Komal Jakhar and Priti Sharma, Chemical Science Transactions, 2017, 6(1), 135-140.