


<b>NAME</b>	Dr Seema Bhatnagar		
<b>DESIGNATION</b>	Professor and Asstt Director		
<b>EMAIL ID</b>			
<b>CONTACT NUMBER</b>			
<b>RESEARCH INTERESTS</b>	<i>My research interests include design and synthesis of novel biologically important heterocyclic and carbocyclic small molecules. The targets currently under exploration Estrogen receptor isoforms ER<math>\alpha</math>,<math>\beta</math>. We have currently explored the chromone and biphenyl scaffolds for this purpose. Another aspect we are exploring is targeting cancer stem cells via folate receptor through a bioconjugate.</i>		
<b>EDUCATIONAL QUALIFICATIONS:</b>			
Name of College / University		Degree	Year
Lucknow University		B.Sc	1992
Lucknow University		M.Sc	1994
Central Drug Research Institute		Ph.D	2000
<b>Title of Ph.D. thesis :</b>			
<b>EXPERIENCE (in chronological order)</b>			
Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
Senior Research Fellow extended	Research	NDDR, Ranbaxy laboratories Ltd	1999 (06/99-12/99)
Project Associate	Research	National Institute of Immunology	200-2001
Project Associate	Research	National Institute of Immunology	2001-2003
<b>No. of Ph.D. students supervised</b>		Awarded: 02	
		Ongoing: 01	
<b>PUBLICATIONS</b> (mention total no. here)		<p>Antifungal Activity of Biphenyl-2,6-diethanone Derivatives. Megha Rikhi, Shanu Hoda, Sahil Nagpal, Pooja Vijayaraghavan, Seema Bhatnagar. International Journal of Pharmacy and Pharmaceutical Sciences 8(8), 2016, 378-380</p> <p>Docking and cytotoxicity studies of 2-vinylchromone derivatives on human breast cancer cell lines. Swati Kaushik#, Megha Rikhi#, Seema Bhatnagar. International Journal of Pharmacy and Pharmaceutical Sciences 7(12), 2015.</p>	

In Vitro Antioxidant Activity of Biphenyl-2,6-diethanone Derivatives. Megha Rikhi, Dinesh Kumar Bharadwaj, Seema Bhatnagar. International Journal of ChemTech Research 8(12), 2015, 552-558.

Antimicrobial properties of Indian medicinal plants and their effect in attenuating fungal virulence: An herbal approach. Megha Rikhi, Swati Kaushik, Seema Bhatnagar, Hina Sanwal, V. Pooja, International Journal of Pharmaceutical Research & Allied Sciences 4(2),2015,101-111.

Activity of *Myristica fragrans* and its novel effect on non filamentous and filamentous fungus V.Pooja,sanwal H,Goyal A, BhatnagarS,Mukherjee M, ashwani K Srivastava 2012, Int J of pharmacol. And Pharmaceutics Vol1;512-14

Novel effect of *Myristica Fragrans* on melanization and conidiation of *Aspergillus niger* V Pooja,Hina sanwal, seema Bhatnagar and Ashwani K Srivastava; 2012;American Journalof drug Discovery and research

Stereoselective brominations of 2-vinyl chromones using NBS, Synthetic Communications **2011, 41** pp 219–226

Synthesis and docking studies on styryl chromones exhibiting cytotoxicity in human breast cancer cell line” Bioorganic Medicinal Chemistry Letters 20(16) ,2010, pp4945-4950.

Search for new chemical entities as menses inducing agents. Mehrotra PK, Kitchlu S, Batra S, **Srivastava S**, Bhaduri AP.(Contraception. 2001 Sep;64(3):187-91.)

Syntheses and Biological evaluation of 3-substituted amino-1-aryl-6-hydroxy-hex-2-ene-1-one as antioxidant and Hypolipidemic agents Sanjay Batra, **Seema Srivastava**, Kavita Singh, Ramesh Chander, Ashok K.Khanna and Amiya P.Bhaduri\* Bioorganic Medicinal Chemistry, 8(8) 2000 pp2195-2209

Reactions of cyclohexanone with arylidene malononitriles: Areinvestigation **Seema Srivastava**, Sanjay Batra, Raja Roy and A.P.Bhaduri\* Indian Journal of Chemistry. Vol.36B, January 1997, pp.25- 28

A facile acid catalyzed ring transformation of 4H-pyrans to 1,2,3,4-tetrahydropyridin-2-ones and 3,4 dihydronaphtho [1,2-b]-pyran-2[H]-ones **Seema Srivastava**, Sanjay Batra and A.P.Bhaduri\*. Indian Journal of Chemistry, Vol.35B, June1996, pp 602-604

In search of new chemical entities with spermicidal and anti HIV activity **Seema Srivastava**, Lakshmi Kant Bajpai, Sanjay Batra, Amiya P.Bhaduri\*, J.P.Maikhuri, Gopal Gupta,

	<i>J.D.Dhar Bioorganic Medicinal Chemistry 11) 1999 pp2607-2613</i>
<b>PATENTS</b> ( <i>total no.</i> )	<b>Patent No</b> <b>191519(Granted)</b> <b>191084 Granted)</b> <b>190789 (Granted)</b> <b>190787 (Granted)</b> <b>538/DEL 2009</b> <b>674/DEL/2009</b> <b>993/DEL/2009</b> <b>674/DEL/2009</b> <b>768/DEL/2009</b> <b>1627/DEL,2011</b> <b>1625/DEL/2011</b> <b>1626/DEL?2011</b> <b>2473/DEL/2011</b> <b>2471!/DEL/2011</b> <b>2590/DEL/2011</b> <b>2740/DEL/2011</b> <b>2909/DEL/2011</b> <b>3126/DEL/2012</b>
<b>RESEARCH PROJECTS</b> Completed: ( <i>total no.</i> ) Ongoing: ( <i>total no.</i> )	<b>Synthesis of novel heterocycles of biological Interest using 1,3 dipolar cycloaddition reactions</b> “Development of Novel Curcumin-Folate-Drug conjugates for targeted delivery of drug and curcumin together to cancer and cancer stem cells for effective treatment”.Funded by ICMR
<b>AWARDS &amp; HONOURS/ DISTINCTIONS</b>	Selected and Received Bursary to attend WellcomeTrust advanced course on small molecule Drug discovery –at the interface of chemistry biology and Pharmacology in June 2014
<b>MEMBERSHIP</b> with Professional/ Academic bodies	