

## Resume

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## Professional Qualification

**2004-2007** *Ph. D (Pharmaceutical Chemistry)*, Department of Pharm. Chemistry, Faculty of Pharmacy, Hamdard University, New Delhi-62, India.  
**2002-2004** *M. Pharm. (Pharmaceutical Chemistry)*, Department of Pharm. Chemistry, Faculty of Pharmacy, Hamdard University, New Delhi-62 India.  
**1998-2002** *B. Pharm* - Faculty of Pharmacy, Hamdard University, New Delhi-62 India.

## Teaching Experience

**(08/06/2015 onwards)** Associate Prof. in Department of Pharmaceutical Chemistry, College of Pharmacy, **King Saud University**, Riyadh, Kingdom of Saudi Arabia.  
**(05/12/2009 to 07/06/2015)** Assistant Prof. in Department of Pharmaceutical Chemistry, College of Pharmacy, **King Saud University**, Riyadh, Kingdom of Saudi Arabia.  
**(01/08/2008 to 01/07/2009)** Assistant Prof. in College of Clinical pharmacy, **Khartoum College of Medical Sciences**, Khartoum Sudan.

- (03/12/2007 to 30/05/ 2008) Assistant Prof. in Department of Pharmaceutical Sciences, **Shivdan Singh Institute of Technology & Management**, Aligarh, U.P, India.
- (01/11/2004 to 30/11/ 2007) Teaching assistant in Department of Pharmaceutical Chemistry, **Faculty of Pharmacy, Hamdard University**, New Delhi, India.

### **Research experience**

- 2002-2004** *Synthesis and pharmacological screening of some novel sulphonamide and coumarin derivatives.*
- 2004-2007** *Synthesis of medicinally potent five membered heterocycles.*

### **Awards**

- 2004-2007** Awarded **Junior Research Fellowship in Engineering and Technology** from University Grants Commission, Govt. of India
- 2002-2004** Awarded **GATE fellowship** by UGC, Govt. of India

### **Instruments handled**

FT-IR Spectrophotometer (Bio-Rad)  
HPLC (Shimadzu)  
LC/MS (Waters)

### **Software skills**

Windows 2007 (MS Words, Power point, excel)  
ACD Labs, ISIS Draw and 3-D Chem. Chem sketch

### **Expert Reviewer of Journals**

Journal of Medicinal Chemistry  
Bio-organic Medicinal Chemistry Letters  
Bio-organic Medicinal Chemistry  
Medicinal Chemistry Research  
European Journal of Medicinal Chemistry  
Letters in Drug Design & Discovery

- Collaborative Research Centers** TAACF, Southern Research Institute, Albama, USA.  
National Institute of Health (NIH), Bethesda, USA.

- Research grants Received** Awarded funding for Research group (RG 1435-006) from Deanship of Scientific Research, King Saud University.  
Awarded funding for research project number (080153) from Deanship of Scientific Research, college of pharmacy, KSU.

### **Seminars and symposia attended**

<b>(03/08/2003)</b>	Training programme on “guiding principles for pharmacists HIV/AIDS in India”. Organized by <b>Indian Pharmaceutical Association</b> , Delhi Branch. Jamia Hamdard, New Delhi.
<b>(09/09/2003)</b>	Training programme on “guiding principles for pharmacists HIV/AIDS in India and update on newer drug development for HIV/AIDS and in ocular pharmacology. Dr. R. P. Centre. <b>AIIMS</b> , New Delhi. Polio eradication programme organized by <b>Rotary international</b> , Pulse polio programme organized by <b>UNICEF</b> .
<b>(10/01/2004)</b>	Seminar on <b>ANIMAL ETHICS</b> organized by <b>Ranbaxy Science Foundation</b> in Indian habitat centre, Delhi.
<b>(14/04/2004)</b>	Participated in the 5 <sup>th</sup> annual symposium on “Frontiers in Biomedical Research” held at <b>Dr. B. R. Ambedkar Center for Biomedical Research</b> , University of Delhi.
<b>(09/02/2005)</b>	Seminar on applications of “Modern Analytical Techniques in Chemical and Biological Sciences.” organized jointly by Dept. of Chemistry, Jamia Hamdard and <b>Indian Society of Analytical Scientists Delhi Chapter</b> .
<b>(26/02/2005)</b>	Intellectual Property Rights Awareness Seminar on Pharmaceuticals” Sponsored by <b>Ministry of Human Resource and Development (Govt. of India)</b> , Jamia Hamdard.
<b>(27/02/2005)</b>	Participation in “Intellectual property rights awareness seminar on pharmaceuticals” held on 26 <sup>th</sup> Feb. 2005 at <b>Jamia Hamdard</b> .
<b>(20/12/2005)</b>	Seminar on “Frontier Technologies in Chemical, Biological and Horticultural Sciences” <b>University of Delhi, New Delhi</b> , December 20, 2005
<b>(25/07/2006)</b>	Participation in <b>2<sup>nd</sup> J &amp; K Science Congress</b> , organized by University of Kashmir.
<b>(18/08/2006)</b>	Workshop on NMR Spectroscopy and Its Application” held at Jamia Hamdard, New Delhi organized by <b>Indian Society of Analytical Scientists Delhi Chapter</b> .
<b>(21/11/2006)</b>	Symposium on the Application of Nuclear Magnetic Resonance to Materials and Medicine held at <b>Indian Institute of Technology Delhi</b> , New Delhi, India.
<b>(25/04/2010)</b>	Participation in 8 <sup>th</sup> International Saudi Pharmaceutical Conference at Prince sultan Hall at Alfaisaliah Tower.
<b>23/02/2013 to 27/02/2013</b>	Participation in first workshop on crystallography and structure determination.
<b>03/03/2013</b>	One day workshop on “ towards distinguished outcomes for the national plan projects”
<b>15/10/2013 to 17/10/2013</b>	2 <sup>nd</sup> International Conference on Medicinal Chemistry & Computer Aided Drug Designing” held in Las vegas NV, USA.

**PATENT** Method for treating cancer using a dihydropyrimidine derivative. *US Patent* 9,119,856, 2015. Abdullah Al-Dhfyhan, **Mashooq Ahmad Bhat**.

#### **Publications:**

1. **Mashooq Ahmad Bhat**, Abdul Arif Khan, Mohamed A. Al-Omar, Azmat Ali Khan. Synthesis and anti-candidal activity of some new pyrazoline derivatives. *Biomedical Research*. 2017, 28 (7), 3082-3087.
2. **Mashooq A. Bhat**, Atallah F. Ahmed2, Zhi-Hong Wen, Mohamed A. Al-Omar1, Hatem A. Abdel-Aziz. Synthesis, anti-inflammatory and neuroprotective activity of pyrazole and pyrazolo[3,4-d]pyridazine bearing 3,4,5- trimethoxyphenyl. *Med Chem Res*. 2017, 26, 1557-1566.
3. M Iqbal, **MA Bhat**, M Raish, E Ezzeldin. Determination of (4-(1, 3-dioxo-1, 3-dihydro-2H-isoindol-2-yl)-N'-[(4 ethoxyphenyl) methylidene] benzohydrazide, a novel anti-inflammatory agent, in biological fluids by UPLC-MS/MS: Assay development, validation and in vitro metabolic stability study. *Biomedical Chromatography*. 2017, DOI: 10.1002/bmc.3981.
4. TA Wani, AH Bakheit, ARA Al-Majed, **MA Bhat**, S Zargar. Study of the Interactions of Bovine Serum Albumin with the New Anti-Inflammatory Agent 4-(1, 3-Dioxo-1, 3-dihydro-2H-isoindol-2-yl)-N'-[(4-ethoxy-phenyl) methylidene] benzohydrazide Using a Multi-Spectroscopic Approach and Molecular Docking. *Molecules*. 2017. 22, 1258. doi:10.3390/molecules22081258.
5. **Mashooq A. Bhat**, Abdullah Al-Dhfyhan, Mohamed A. Al-Omar. Targeting Cancer Stem Cells with Novel 4-(4-2 substituted phenyl)-5-(3,4,5-trimethoxy/3,4-dimethoxy)-3 benzoyl-3,4-dihydropyrimidine-2(1H)-one/thiones. *Molecules*, 2016, 21, 1746-1755.
6. Faiyaz Shakeel, **Mashooq A. Bhat**, Nazrul Haq. Solubility and thermodynamics of 4-(4-ethoxyphenyl)-5-(3,4,5-trimethoxybenzoyl)-3, 4-dihydropyrimidin-2(1H)-one in various pure solvents at different temperatures. *Journal of Molecular Liquids*. 2016, 224, 624-628.
7. A. M. Naglah, Z. Shinwari, **M. A. Bhat**, M. Al-tahhan, M.A. Al-omar and A. Al-dhfyhan. Targeting leukemic side population cells by isatin derivatives of nicotinic acid amide. *Journal of biological regulators & homeostatic agent*. 30 (2), 2016. 224, 624-628.
8. Faiyaz Shakeel, **Mashooq A. Bhat**, Nazrul Haq, Anahita Fathi-Azarbayjani, Abolghasem Jouyban. Solubility and thermodynamic parameters of a novel anti-cancer drug (DHP-5) in polyethylene glycol 400 + water mixtures. *Journal of Molecular Liquids*. 2016, 229, 241-245.
9. Ahmed M. Naglah, Abd El-Galil E. Amr, and **Mashooq A. Bhat**. Microwave Effect

- versus Thermal Effect on the Synthesis of 4-[(substituted benzylidene)amino]-5-(pyridin-4-yl)-4H-1,2,4-Triazole-3-Thiol Candidates. *Journal of Computational and Theoretical Nanoscience*. 2016, 13, 7310–7313.
10. A. A. Khan, A. M. Alanazi, M. Jabeen, I Hassan, **M. A. Bhat**. Targeted nano-delivery of novel omega-3 conjugate against hepatocellular carcinoma: Regulating COX-2/bcl-2 expression in an animal model. *Biomedicine & Pharmacotherapy* 81, 394-401, 2016.
  11. M Iqbal, E Ezzeldin, **M A Bhat**, M Raish, K A Al-Rashood. Preclinical pharmacokinetics, tissue distribution and excretion studies of a novel anti-candidal agent-thiosemicarbazide derivative of isoniazid (TSC-INH) by validated UPLC–MS/MS assay. *Journal of Pharmaceutical and Biomedical Analysis*, 17, 109-117, 2016.
  12. **Mashooq A. Bhat**, Mohamed A. Al-Omar, Mushtaq A. Ansari, Khairy M. A. Zoheir, Faisal Imam<sup>b</sup>, Sabry M. Attia, Saleh A. Bakheet, Ahmed Nadeem, Hesham M. Korashy, Andrey Voronkov, Vladimir Berishvili, Sheikh F. Ahmad. Design and synthesis of *N*-aryl-phthalimides as inhibitors of glucocorticoid-induced TNF receptor-related protein, pro-inflammatory mediators and cytokines in carrageenan-induced lung inflammation. *Journal of Medicinal Chemistry*, 58 (22), 8850-8867, 2015.
  13. **Mashooq A. Bhat**, Abdullah Al-Dhfyhan, Ahmed M. Naglah, A A Khan, Mohamed A. Al-Omar. Lead optimization of 2-cyclohexyl-*N*-[(*Z*)-(3-methoxyphenyl/3-hydroxyphenyl) methylidene] hydrazinecarbothioamide for targeting HER-2 over expressed breast cancer cell line SKBr-3. *Molecules*, 20 (10), 18246-18263, 2015.
  14. Muzaffer Iqbal, **Mashooq A. Bhat**, Faiyaz Shakeel. Development and validation of UHPLC-MS/MS assay for rapid determination of a carvone Schiff base of isoniazid (CSB-INH) in rat plasma: application to pharmacokinetic study. *Biomedical Chromatography*, 29, 876-882, 2015.
  15. **Mashooq A. Bhat** Muzaffer Iqbal, Abdullah Aldhfyhan, Faiyaz Shakeel. Carvone Schiff base of isoniazid as a novel antitumor agent: Nanoemulsion development and pharmacokinetic evaluation. *J. Mol. Liq.* 203, 111-119, 2015.
  16. **Mashooq Ahmad Bhat**, Mohamed A Al-Omar, Ahmed M Naglah, Mohamed M Abdulla, Hoong-Kun Fun. Synthesis and antitumor activity of 4-cyclohexyl/aryl-5-(pyridin-4-yl)-2, 4-dihydro-3H-1, 2, 4-triazole-3-thiones. *Med. Chem. Res.* 24, 1558-1567, 2015.
  17. Ahmed M Naglah, Hassan M Awad, **Mashooq A Bhat**, Mohamed A Al-Omar, E Amr Abd El Galil. Microwave-Assisted Synthesis and Antimicrobial Activity of Some Novel Isatin Schiff Bases Linked To Nicotinic Acid via Certain Amino Acid Bridge. *J. of Chemistry*, Article ID 364841, 8 pages, 2015.
  18. **Mashooq A. Bhat**, New and Efficient Synthesis of *N*-(4-Substituted phenyl)-5-(pyridin-4-yl)-1,3,4-oxadiazol-2-amines. *Asian J. Chemistry*. 26, 8483-8487, 2014.
  19. **Mashooq A. Bhat**, Nazrul Haq, Faiyaz Shakeel. Thermodynamics and solubilization behavior of (2*Z*)-*N*-cyclohexyl-2-(3-hydroxybenzylidene) hydrazine carbothioamide in polyethylene glycol-400+ water mixtures at (298.15 to 338.15) K, *Thermo chimica Acta*,

- 599, 52-56, 2015.
20. **Mashooq Ahmad Bhat**, Abdullah Al-Dhfyhan, Nouf Al-Harbi, PS Manogaran, Amer M Alanazi, Hoong-Kun Fun, Mohamed A Al-Omar. Targeting HER-2 over expressed breast cancer cells with 2-cyclohexyl-N-[(Z)-(substituted phenyl/furan-2-yl/thiophene-2-yl)methylidene]hydrazinecarbothioamide. *Bioorg. & Med. Chem. Lett.* 25, 83-87, 2015.
  21. **Mashooq A. Bhat**, Nazrul Haq, Faiyaz Shakeel. Solubility of N-(4-chlorophenyl)-2-(pyridin-4-ylcarbonyl) hydrazinecarbothioamide in PEG 400 + water co-solvent mixtures at 298.15 K to 338.15 K. *Thermo Chimica Acta*, 593, 37-42, 2014.
  22. **Mashooq A. Bhat**, Nazrul Haq, Faiyaz Shakeel. Solubility and dissolution thermodynamics of (2Z)-N-cyclohexyl-2-(3-hydroxybenzylidene) hydrazine carbothioamide in 2-(2-ethoxyethoxy) ethanol+ water mixtures at (298.15 to 338.15) K. *J. Molecular Liquids*, 197, 381-385, 2014.
  23. Hatem A Abdel-Aziz, Hazem A Ghabbour, **Mashooq A Bhat**, Hoong-Kun Fun. Microwave-Assisted Synthesis and Characterization of Certain Oximes, Hydrazones, and Olefins Derived from  $\beta$ -Keto Sulfones. *J. of Chemistry*, Article ID 532467, 6 pages, 2014.
  24. Hatem A. Abdel-Aziz, **Mashooq A. Bhat**, Mohamed Ghazzali. Cyclodesulfurization of substituted thiosemicarbazides into 1,3,4-oxadiazoles via hydrazonoyl chlorides. *Phosphorus, Sulphur, and Silicone and the Related Elements*.189, 1328-1336, 2014.
  25. **Mashooq A. Bhat**, Nazrul Haq, Faiyaz Shakeel. Solubility of N-(4-chlorophenyl)-2-(pyridin-4-ylcarbonyl) hydrazinecarbothioamide in PEG 400+ water co-solvent mixtures at 298.15 K to 338.15 K. *Thermo Chimica Acta*, 589, 235-240, 2014.
  26. Solubility of N-(4-Chlorophenyl)-2-(pyridin-4-ylcarbonyl) hydrazinecarbothioamide (Isoniazid Analogue) in Five Pure Solvents at (298.15 to 338.15) K. *Journal of Chemical & Engineering Data*, 59 (8), 2660-2664, 2014.
  27. Faiyaz Shakeel, **Mashooq A. Bhat**, Nazrul Haq. Solubility of (2Z)-N-Cyclohexyl-2-(3-hydroxybenzylidene) Hydrazine Carbothioamide in Different Pure Solvents at (298.15 to 338.15) K. *J. Chem. Eng. Data*. 59 (6), 2126-2130, 2014.
  28. Faiyaz Shakeel, **Mashooq A. Bhat**, Nazrul Haq. Solubility of N-(4-Chlorophenyl)-2-(pyridin-4-ylcarbonyl)- hydrazinecarbothioamide (Isoniazid Analogue) in Transcutol + Water Cosolvent Mixtures at (298.15 to 338.15) K. *J. Chem. Eng. Data*. 59, 1727-1732 (2014).
  29. **Mashooq Ahmad Bhat**, Abdul Arif Khan, Shahanavaj Khan, Mohamed A. Al-Omar, Mohammad Khalid Parvez, Mohammed Salem Al-Dosari, Abdullah Al-Dhfyhan. Synthesis and anti-Candidal activity of N-(4-aryl/cyclohexyl)-2-(pyridine-4-yl carbonyl) hydrazinecarbothioamide. *Bioorg. & Med. Chem. Lett.* 24, 1299-1302 (2014).
  30. A.M. Naglah, M.A. Zewail, Sabdel Rahman, **M. A. Bhat**, comparable study between the application of microwave irradiation technique and conventional method in the synthesis of nonapeptide (b22-b30) of insulin b-chain. *Digest Journal of Nanomaterials and Bio structures*, 1615-1622, 9, 2014.

31. **Mashooq A. Bhat**, Abdul Arif Khan, Shahanavaj Khan. New [1,2,4]triazolo[3,4-b][1,3,4]thiadiazines: Synthesis, characterization and anti-*candida* activity evaluation. *J. of Chemistry*, Article ID 897141, 7 pages, 2014.
32. **Mashooq A. Bhat**, Synthesis, characterization, and *in vitro* evaluation of new 4-thiazolidinone and 1,3,4-oxadiazole derivatives of isoniazid as anti-*Mycobacterium* agents. *Acta Pol. Pharm.- Drug Research*. 71, 763-770 (2014).
33. **Mashooq A. Bhat**, Mohammed A. Al-Omar, Synthesis, Characterization and in vitro anti *Mycobacterium tuberculosis* activity of Terpene Schiff bases. *Medicinal Chemistry Research*. 22 (9), 4522-4528, 2013.
34. **Mashooq A. Bhat**, Mohammed A. Al-Omar, Nadeem Siddiqui. Antimicrobial activity of Schiff Bases of coumarin incorporated 1,3,4-oxadiazole derivatives: An *in vitro* evaluation. *Medicinal Chemistry Research*. 22 (9), 4455-4458, 2013.
35. Hoong-Kun Fun, Tze Shaygchia, **Mashooq A. Bhat**, Mohamed A. Al-Omar, Hatem A. Abdl-Aziz. (E)-2-(2,3-Dimethylanilino)-N-(thiophen-2-ylmethylidene)benzohydrazide. *Acta Crystallographica Section E*. E68, o2524-o2525, 2012.
36. **Mashooq A. Bhat**, Khalid A. Al-Rashood and Hatem A. Abdel-Aziz. Unexpected configuration in stereoselective synthesis of some novel (1*Z*)-1-(morpholin-1-yl)-*N*<sup>2</sup>-arylamidrazones. *Letters In Organic Chemistry*. 9, 487-492, 2012.
37. Hoong-Kun Fun, Suchada Chantrapromma, **Mashooq A. Bhat** and Hatem A. Abdl-Aziz. (Z)-7-[2-(4-Bromophenyl)hydrazin-1-ylidene]-6-methyl-3-(pyridin-4-yl)-7*H*-1,2,4-triazolo[3,4-b][1,3,4]thiadiazine. *Acta Crystallographica Section E*. E68, o1512-o1513, 2012.
38. Mohamed M. Abdalla, Mohamed A. Al-Omar, **Mashooq A. Bhat**, and Abdel-Galil E. Amr. Steroidal Pyrazolines Evaluated as Aromatase and Quinone Reductase-2 Inhibitors for Chemoprevention of Cancer. *International Journal of Biological Macromolecules*. 50 (4), 1127-1132, 2012.
39. **Mashooq A. Bhat**, Hatem A. Abdl-Aziz, Hazem A. Gabbour, Madhukar Hemamalini and Hoong-Kun Fun. (E)-*N*-(4-Isopropylbenzylidene)-isonicotinohydrazide monohydrate. *Acta Crystallographica Section E*. E68, o1002, 2012.
40. **Mashooq A. Bhat**, Hatem A. Abdl-Aziz, Hazem A. Gabbour, Madhukar Hemamalini and Hoong-Kun Fun (E)-2-(2,3-Dimethylanilino)-N0-[2-methyl-5-(prop-1-en-2-yl)cyclohex-2-enylidene]-benzohydrazide. *Acta Crystallographica Section E*. E68, o1135, 2012.
41. **Mashooq A. Bhat**, Hatem A. Abdl-Aziz, Hazem A. Gabbour, Madhukar Hemamalini and Hoong-Kun Fun *N*-[(1*E*,2*E*)-3,7-Dimethylocta-2,6-dien-1-ylidene]pyridine-4-carbohydrazide. *Acta Crystallographica Section E*. E68, o1144-o1145, 2012.
42. **Mashooq A. Bhat**, Mohammed A. Al-Omar. Coumarin incorporated triazoles: A new class of anticonvulsants. *Acta Pol. Pharm.-Drug Research*. 68 (6), 889-895, 2011.
43. **Mashooq A. Bhat**, Mohammed A. Al-Omar. Synthesis, characterization and *in vivo* anticonvulsant screening of Schiff bases of phthalimide. *Acta Pol. Pharm.- Drug*

*Research.* 68 (3), 375-380, 2011.

44. **Mashooq A. Bhat**, Mohammed A. Al-Omar, Nadeem Siddiqui. synthesis of 2-(substitutedphenyl)-3-[5-(2-oxo-2*H*-chromen-3-yl)-1,3,4-oxadiazol-2-yl]-1,3-thiazolidin-4-ones with antimicrobial activity. *Acta Pol. Pharm. - Drug Research.* 68 (2), 295-299, 2011.
45. **Mashooq A. Bhat**, Mohammed A. Al-Omar, Nadeem Siddiqui. Synthesis, anticonvulsant and neurotoxicity of some novel 1,3,4-oxadiazole derivatives of phthalimide. *Der Pharma Chemica.* 2(2), 1-10, 2010.
46. **Mashooq A. Bhat**, Nadeem Siddiqui, Suroor A. Khan, Mohamed Ibrahim Mohamed. Synthesis of triazolothiazolidinone derivatives of coumarin with antimicrobial activity. *Acta Pol. Pharm.- Drug Research*, 66(6), 625-632, 2009.
47. Siddiqui, N., **Bhat, M.A.**, Khan, S. A., Ahsan, W and Alam, M. S. Synthesis and *in vivo* Anticonvulsant screening of Coumarin incorporated Schiff Bases of 1,3,4-oxadiazoles: *J. Chinese Chem. Soc.*, 55, 1326-1331, 2008.
48. **Bhat, M. A.**, Siddiqui, N. and Khan, S. A. Synthesis, anticonvulsant and neurotoxicity screening of 2-(substituted phenyl)-3-[3-(2-oxo-2*H*-chromen-3-yl)-5-thioxo-1,5-dihydro-4*H*-1,2,4-triazol-4-yl]-1,3-thiazolidin-4-ones: *Indian J. Heterocycl. Chem.*, 17, 287-288, 2008.
49. Rana, A., Siddiqui, N., Khan, S. A., Haque, S. E., and **Bhat M. A.** N-{[(substituted-1,3-benzothiazol-2-yl)amino] carbonothioyl}-2,4-substituted benzamides: Synthesis and Pharmacological Evaluation: *Eur. J. Med. Chem.*, 43, 1114-1122, 2008.
50. **Bhat, M. A.**, Siddiqui, N., and Khan, S. A. Synthesis of novel 3-(4-acetyl-5*H*) methyl-5-substituted phenyl-4,5-dihydro-1,3,4-oxadiazol-2-yl)-2*H*-chromen-2 ones as potential anticonvulsant agents: *Acta Pol. Pharm.-Drug Research*, 65 (2), 235-239, 2008.
51. Siddiqui, N., Rana, A., Khan, S. A., **Bhat, M. A.** and Haque, S. E. Synthesis of benzothiazole semicarbazones as novel anticonvulsants-the role of hydrophobic domain. *Bioorg. & Med. Chem. Lett.* 17 (15), 4178-4182, 2007.
52. Siddiqui, N., Pandeya, S. N., Khan, S. A., Stables, J., Rana, A., Alam, M., Arshad, M. F, and **Bhat, M. A.**, Synthesis, and anticonvulsant activity of sulfonamide derivatives-hydrophobic domain: *Bioorg. & Med. Chem. Lett.* 17, 255-259, 2007.
53. **Bhat, M.A.**, Khan, S.A., and Siddiqui, N., Synthesis and antibacterial activity of coumarin incorporated 1,3,4-oxadiazoles: *Indian J. Heterocycl.Chem.* 14 (3), 271-272, 2005.
54. **Mashooq A. Bhat**, Mohammed A. Al-Omar, Nadeem Siddiqui., Synthesis, anticonvulsant and neurotoxicity of some novel 1,3,4-oxadiazole derivatives of Phthalimide. *Der Pharma Chemica* 2 (2), 1-10, 2010.
55. Siddiqui, N., Khan, S.A., **Bhat, M. A.**, and Ahsan, W. Synthesis and evaluation of new 2-(substituted phenyl)-3-[5-(2-oxo-2*H*-chrome-3-yl) 1,3,4-oxadiazol-2-yl]-1,3-thiazolidin-4-ones as anticonvulsants. *J. Pharm. Res.* 8 (1), 12-14, 2009.



56. **Bhat, M. A.**, Siddiqui, N., Khan, S.A. and Ahmad, M., Non-peptide protease inhibitors as novel anti-HIV agents: *Indian J. Pharm. Sci.*, 68(5), 549-555, 2006.
57. Siddiqui, N., Singh, O., **Bhat, M. A.**, Khan, S. A., Rana, A., and Arshad, M. F., Synthesis of *N*-substituted hydrazine carbothioamides and thiosemicarbazones 1-(2-hydroxyphenyl) ethane-1-one as analgesic and anticonvulsant agents: *J. Pharm. Research*. 5 (3), 87-91, 2006.
58. **Bhat, M. A.**, Siddiqui, N. and Khan, S. A., Synthesis of novel thiouriedo derivatives of sulphonamides and thiosemicarbazido derivatives of coumarin as potential anticonvulsant and analgesic agents: *Indian. J. Pharm. Sci.*, 68(1), 120-123, 2006.
59. **Bhat, M.A.**, Mohd, I, Khan, S.A. and Siddiqui, N., Biological activities of sulphonamides: *Indian J. Pharm. Sci.*, 67(2), 151-159, 2005.

## References:

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