

Biodata

1. Name and full correspondence address: Prof. Hinna Hamid
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3. Institution: Jamia Hamdard, Hamdard Nagar
New Delhi -110062

4. Date of Birth: 08-10-1972

5. Gender (M/F/T): F

6. Academic Qualification:

| Examination | University | Year |
|-------------------------------|-----------------------|------------------------------------|
| Ph.D. Chemistry | Jamia Hamdard | 2002 |
| Bachelor in Education (B.Ed.) | University of Kashmir | 1999 |
| M.Sc. Chemistry | University of Kashmir | 1998 [First position (Gold Medal)] |
| B.Sc. | University of Kashmir | 1996 |

7. **Research Interest:** I am an organic chemist by training and working on various aspects of Medicinal Chemistry. My research interests are the isolation and characterization of bioactive metabolites from natural sources and the development of novel synthetic methods and molecules to be used in the area of Medicinal Chemistry.

8. Ph.D. thesis title: Phytochemical studies on some plants used in Indian Systems of medicine
Name of the supervisor: Prof. M.S.Alam
Name of the institute: Jamia Hamdard, New Delhi

9. Work Experience: Chronological order

| S.No | Designation | Name of the Institute | Tenure |
|------|-------------|-----------------------|--------|
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|----|-----------------------------|--|----------------------------|
| 1. | Professor and Head | Jamia Hamdard | 01-11-2024 to till date |
| 2. | Professor | Jamia Hamdard | 04-12-2021 to till date |
| 3. | Associate Professor | Jamia Hamdard | 04-02-2018-03-12-2021 |
| 4. | Assistant Professor Level 3 | Jamia Hamdard | 04-02-2016-03-12-2018 |
| 5. | Assistant Professor Level 2 | Jamia Hamdard | 04-12-2010-03-12-2015 |
| 6. | Assistant Professor Level 1 | Jamia Hamdard | 04-12-2006-03-12-2010 |
| 7. | Lecturer | Jamia Hamdard | 20002-2006 |
| 8. | Lecturer | Govt. College for Women, M.A. Road, Srinagar, J&K | June 1999-December 1999 |

10. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant

- Certificate of appreciation and recognition for research work (02 research papers) been published with impact factor of more than 4 in 2023, by Jamia Hamdard
- Certificate of appreciation and recognition for research work (03 research papers) been published with impact factor of more than 3 in 2016, by Jamia Hamdard
- National Science Education Promotion Award, in 2016 International Association of Educators for World Peace (IAEWP)
- Certificate of appreciation and recognition for award of DST young scientist fellowship in 2012, by Jamia Hamdard
- *First class, first position with Gold Medal: M Sc. Organic Chemistry.*
- *Merit Scholarship: From Kashmir University.*

11. Books Authored

- H.Hamid, Basics of Combinatorial Chemistry, Reference Book, Lambert Publishing house, Germany. 2016. ISBN- 978-3- 330-62264-
- H.Hamid, Mithlesh Rajput, Development of Analytical Methods for pharmaceutical formulations, Reference Book, Lambert Publishing house, Germany. 2016. ISBN-978-3-330-04053- 3
- H.Hamid, M.S.Alam, Investigation of some plants used in Indian System of Medicine, Reference Book, Lambert Publishing house, Germany. 2016. ISBN- 978-3- 659-90921- 4.
- H.Hamid, T.Abdullah, Phytochemical and Pharmacognostic Studies on Indian Medicinal plants, Reference Book, Lambert Publishing house, Germany. 2016. ISBN- 978-3- 659-96065- 9.

12. Subjects Taught: Analytical Chemistry, Spectroscopy, Food Chemistry, Polymer Chemistry, Medicinal Chemistry, Organic Chemistry, Environmental Chemistry, etc

13. Administrative responsibilities held:

- Head, Department of Chemistry, SCLS
- Deputy Director CTSI, JH
- Vice president. Sports Club
- Member University Web cell
- Member Horticulture cell, JH
- Member Departmental Program Committee
- Convener Departmental Admission & Examination Committee

- h. In charge Day Care, JH
- i. Member ICC, JH
- j. President Badminton and Tennis Club

14. Books Chapters

- Combination Drug Delivery Approaches in Rheumatoid Arthritis. In *Combination Drug Delivery Approach as an Effective Therapy for Various Diseases*; Academic Press, 2022; pp 81–106.
- Nanotechnology-Based Approaches Applied to Nutraceuticals. *Drug Deliv. Transl. Res.* **2022**, 1–15.
- Combination Drug Delivery Approaches in Rheumatoid Arthritis. In *Combination Drug Delivery Approach as an Effective Therapy for Various Diseases*; Academic Press, 2022; pp 81–106.
- Authored four chapters in e-books entitled ‘Pharmaceutical Chemistry’ and ‘Pharmaceutical Analysis’ by National Institute of Science Communication And Information Resources (NISCAIR) (<http://nsdl.niscair.res.in/>)
 - Preliminary Introduction of Spectroscopy
 - Infrared Spectrometry
 - Mass Spectrometry
 - Ultraviolet and Visible Spectrophotometry

1. Research Projects Handled

- ‘Chemical profiling and development of bioactive & chemical markers for authentication and elite identification of the selected Unani herbal drugs’ (F.No.3-19/2021-CCRUM/Tech), CCRUM, 45,77,520/.07-12-22
- A three-year DST-supported project under Fast Track Proposals for Young Scientists scheme for Rs 18 lacs entitled ‘Small molecule inhibitors of Glycogen Synthase Kinase-3’, 2013-2015.

2. Detail of patents.

- Title: Eco-friendly paper product made from corn husk (CH), pithed sugarcane bagasse (SB), and their furnish Application NO.: 202111022364
- Patent Title: An Andrographolide compound and process of preparation thereof. Patent application No: 2460/DEL/2014.
- **Process for preparation of triazine compounds, TEMP/E-1/89081/2024-DEL.**

3. Publications (List of papers published in SCI Journals, in year-wise descending order).

1. Kale, B. R.; Hamid, H.; Alam, M. S. Zn (OTf) 2-Catalyzed One-Pot Cascade Reaction to Construct Benzyl-Pyrazolyl Coumarin Derivatives. *Curr. Organocatalysis* 2024.
2. Gowsia Akhter 1 Mirza A Beg 2, Mushtaq A Tantray 3, Bharti Dhawan 1, Mohammad Sarwar Alam 1, Angamuthu Selvapandiyan 2, Sayeed Ur Rehman 4, Sharma Kalicharan 5, H. H. 1. Design and Synthesis of Benzimidazole Carboxamide Cysteine Protease Inhibitors as Promising Anti-Leishmanial Agents. *Curr Med Chem* 2024.
3. Bhardwaj, A.; Sharma, N.; Alam, T.; Sharma, V.; Sahu, J. K.; Hamid, H.; Bansal, V.; Alam, M. S. Development and Characterization of Chitosan and Beeswax–Chitosan Coated Biodegradable Corn Husk and Sugarcane Bagasse-Based Cellulose Paper. *Waste and Biomass Valorization* **2023**, 14 (5),

1625–1636.

4. Kumar, A.; Alam, M. S.; Hamid, H.; Chugh, V.; Tikla, T.; Kaul, R.; Dhulap, A.; Sharma, S. K. Design and Synthesis of Anti-Inflammatory 1, 2, 3-Triazolylpyrrolobenzodiazepinone Derivatives and Impact of Molecular Structure on COX-2 Selective Targeting. *J. Mol. Struct.* **2023**, 1272, 134151.
5. Khan, I.; Tantray, M. A.; Hamid, H.; Alam, M. S.; Sharma, K.; Kesharwani, P. Design, Synthesis, in Vitro Antiproliferative Evaluation and GSK-3 β Kinase Inhibition of a New Series of Pyrimidin-4-One Based Amide Conjugates. *Bioorg. Chem.* **2022**, 119, 105512.
6. Marwah, H.; Khare, S.; Rawat, P.; Singh, S.; Kesharwani, P.; Alam, M. S.; Hamid, H.; Arora, S. Strengths, Limitations, and Regulatory Aspects of Hybrid Drug Delivery Systems. In *Hybrid Nanomaterials for Drug Delivery*; Woodhead Publishing, 2022; pp 339–355.
7. Dhawan, B.; Akhter, G.; Hamid, H.; Kesharwani, P.; Alam, M. S. Benzoxaboroles: New Emerging and Versatile Scaffold with a Plethora of Pharmacological Activities. *J. Mol. Struct.* **2022**, 1252, 132057.
8. Singh, V.; Sheikh, A.; Rajak, H.; Talegaonkar, S.; Hamid, H.; Alam, M. S.; Kesharwani, P. Combination Drug Delivery Approaches in Rheumatoid Arthritis. In *Combination Drug Delivery Approach as an Effective Therapy for Various Diseases*; Academic Press, 2022; pp 81–106.
9. Bhardwaj, A.; Sharma, N.; Sharma, V.; Alam, T.; Sahu, J. K.; Hamid, H. Assessing the Consumer Acceptance and Storability of Chitosan and Beeswax Coated Cellulose Packaging for Whole Wheat Bread. *Food Control* **2022**, 133, 108682
10. Harneet Marwah, Shruti Khare, Pinki Rawat, Sima Singh, Prashant Kesharwani, Mohammad Sarwar Alam, Hinna Hamid, Saahil Arora, Strengths, limitations, and regulatory aspects of hybrid drug delivery systems, 2022/1/1, 339-355
11. Bharti Dhawan, Gowsia Akhter, Hinna Hamid, Prashant Kesharwani, Mohammad Sarwar Alam, Benzoxaboroles: New emerging and versatile scaffold with a plethora of pharmacological activities, Journal of Molecular Structure, 2022/3/15, 1252, 132057
12. Singh, A. R.; Desu, P. K.; Nakkala, R. K.; Kondi, V.; Devi, S.; Alam, M. S.; Hamid, H.; Athawale, R. B.; Kesharwani, P. Nanotechnology-Based Approaches Applied to Nutraceuticals. *Drug Deliv. Transl. Res.* **2021**, 1–15.
13. Imran Khan, Mushtaq A Tantray, Hinna Hamid, Mohammad Sarwar Alam, Kalicharan Sharma, Prashant Kesharwani, Design, synthesis, in vitro antiproliferative evaluation and GSK-3 β kinase inhibition of a new series of pyrimidin-4-one based amide conjugates, Bioorganic Chemistry, 2022/2/1, 105512
14. Akanksha R Singh, Prasanna Kumar Desu, Ramya Krishna Nakkala, Vanitha Kondi, Sushma Devi, Mohammad Sarwar Alam, Hinna Hamid, Rajani B Athawale, Prashant Kesharwani, Nanotechnology-based approaches applied to nutraceuticals, Drug Delivery and Translational Research, 1-15, 2021/3/18.
15. Chetna Kharbanda, Mohammad Sarwar Alam, Hinna Hamid, Yakub Ali, Syed Nazreen, Abhijeet Dhulap, Perwez Alam, MAQ Pasha, In silico designing, in vitro and in vivo evaluation of potential PPAR- γ agonists derived from aryl propionic acid scaffold, Bioorganic Chemistry, 106, 2021/1/1
16. Syed Nazreen, Mohammad Mahboob Alam, Hinna Hamid, Mohammad Ali & Mohammad Sarwar Alam (2020) Chemical constituents with antimicrobial and antioxidant activity from the aerial parts of *Callistemon lanceolatus* (Sm.) Sweet, Natural Product Research, 34:22, 3275-3279
17. Bhardwaj, A., Alam, T., Sharma, V. et al. Lignocellulosic Agricultural Biomass as a Biodegradable and Eco-friendly Alternative for Polymer-Based Food Packaging. *J Package Technol Res* 4, 205–216 (2020)
18. S Haider, MS Alam, H Hamid, A Dhulap, D Kumar, Design, synthesis and biological evaluation of benzoxazolinone-containing 1, 3, 4-thiadiazoles as TNF- α inhibitors, *Heliyon*, 2019

19. MA Tantray, I Khan, H. Hamid, MS Alam, A Dhulap, A Kalam, Synthesis of benzimidazole-linked-1, 3, 4-oxadiazole carboxamides as GSK-3 β inhibitors with in vivo antidepressant activity, *Bioorganic Chemistry*, 2018, 77, 393-401
20. Saqlain Haider, Mohammad Sarwar Alam, Hinna Hamid, Sadiq Umar, Deepak Kumar, Syed Nazreen, Synthesis of Novel Amide Containing Schiff's Bases of 5-(4-Chloro-Phenyl)-Furan-2-Carboxaldehyde: Their In Vivo AntiInflammatory, Antioxidant and Antinociceptive Activities with Ulcerogenic Risk Evaluation, *Journal of Reports in Pharmaceutical Sciences*, 2018, 7, 1, 44-63.
21. Glavizh Rostami Nassab, Somayeh Bohlouli, Ali Ghanbari, Nasrin Jalilian, Farhad Ahmadi, Elham Farhadi, Yalda Shokoohinia, Gholamreza Bahrami, Fatemeh Taherabadi, Fataneh Jaffari, Leila Hosseinzadeh, Maryam Abbaspour, Mir Ali Farajzadeh, Maryam Khoubnasabjafari, Sajad Haririan, Abolghasem Jouyban, Saqlain Haider, Mohammad Sarwar Alam, Hinna Hamid, Sadiq Umar, Deepak Kumar, Syed Nazreen, Ali Fattahi, Behzad Shahbazi, Ghobad Mohammadi, Therapeutic effect of *Ferulago angulata* extract on reproductive parameters and serum testosterone levels in diabetic male rats, *Journal of Reports in Pharmaceutical Sciences*, 2018
22. MA Tantray, I Khan, H. Hamid, MS Alam, A Dhulap, AA Ganai, Oxazolo [4, 5-b] pyridine-Based Piperazinamides as GSK-3 β Inhibitors with Potential for Attenuating Inflammation and Suppression of Pro-Inflammatory Mediators, *Arch. Pharm. Chem. Life Sci.*, 2017, 350: (8)
23. Khan, M.A. Tantray, M.S. Alam, H. Hamid, Natural and synthetic bioactive inhibitors of glycogen synthase kinase, *European Journal of Medicinal Chemistry*, 125 (2017) 464-477.
24. Y. Ali, M.S. Alam, H. Hamid, A. Husain, A. Dhulap, S. Bano, C. Kharbanda, Novel 2, 4-dichlorophenoxy acetic acid substituted thiazolidin-4-ones as anti-inflammatory agents: Design, synthesis, and biological screening, *Bioorganic & Medicinal Chemistry Letters*, 27 (2017) 1017-1025.
25. M.A. Tantray, I. Khan, H. Hamid, M.S. Alam, S. Umar, Y. Ali, K. Sharma, F. Hussain, Synthesis of Novel Oxazolo [4, 5-b] pyridine-2-one based 1, 2, 3-triazoles as Glycogen Synthase Kinase-3 β Inhibitors with Anti-inflammatory Potential, *Chemical biology & drug design*, (2016).
26. M.A. Tantray, I. Khan, H. Hamid, M.S. Alam, A. Dhulap, A. Kalam, Synthesis of benzimidazole-based 1, 3, 4-oxadiazole-1, 2, 3-triazole conjugates as glycogen synthase kinase-3 β inhibitors with antidepressant activity in in vivo models, *RSC Advances*, 6 (2016) 43345-43355.
27. M.A. Tantray, I. Khan, H. Hamid, M.S. Alam, A. Dhulap, A. Kalam, Synthesis of aryl anilinomaleimide based derivatives as glycogen synthase kinase-3 β inhibitors with a potential role as antidepressant agents, *New Journal of Chemistry*, 40 (2016) 6109-6119.
28. C. Kharbanda, M.S. Alam, H. Hamid, K. Javed, S. Bano, Y. Ali, A. Dhulap, P. Alam, M. Pasha, Novel benzothiazole based sulfonylureas/sulfonylthioureas: design, synthesis and evaluation of their antidiabetic potential, *New Journal of Chemistry*, 40 (2016) 6777-6786.
29. C. Kharbanda, M.S. Alam, H. Hamid, K. Javed, S. Bano, Y. Ali, A. Dhulap, P. Alam, M. Pasha, Novel Piperine Derivatives with Antidiabetic Effect as PPAR- γ Agonists, *Chemical biology & drug design*, 88 (2016) 354-362.
30. Khan, M.A. Tantray, H. Hamid, M.S. Alam, A. Kalam, F. Shaikh, A. Shah, F. Hussain, Synthesis of Novel Pyrimidin-4-One Bearing Piperazine Ring-Based Amides as Glycogen Synthase Kinase-3 β Inhibitors with Antidepressant Activity, *Chemical biology & drug design*, (2016).
31. Khan, M.A. Tantray, H. Hamid, M.S. Alam, A. Kalam, F. Hussain, A. Dhulap, Synthesis of pyrimidin-4-one-1, 2, 3-triazole conjugates as glycogen synthase kinase-3 β inhibitors with anti-depressant activity, *Bioorganic Chemistry*, 68 (2016) 41-55.
32. Khan, M.A. Tantray, H. Hamid, M.S. Alam, A. Kalam, A. Dhulap, Synthesis of benzimidazole based thiadiazole and carbohydrazide conjugates as glycogen synthase kinase-3 β inhibitors with antidepressant activity, *Bioorganic & Medicinal Chemistry Letters*, 26 (2016) 4020-4024.
33. H. Hamid, InH Inhibitors as Potential Antitubercular Agents (A Review), *ORIENTAL JOURNAL OF CHEMISTRY*, 32 (2016) 59-75.

34. Y. Ali, M.S. Alam, H. Hamid, A. Husain, A. Dhulap, F. Hussain, S. Bano, C. Kharbanda, Molecular modeling and synthesis of some new 2-imino-4-thiazolidinone derivatives with promising TNF- α inhibitory activity, *New Journal of Chemistry*, 40 (2016) 711-723.
35. S. Nazreen, M.S. Alam, H. Hamid, M.S. Yar, A. Dhulap, P. Alam, M.A.Q. Pasha, S. Bano, M.M. Alam, S. Haider, Design, Synthesis, and Biological Evaluation of Thiazolidine-2, 4-dione Conjugates as PPAR- γ Agonists, *Archiv der Pharmazie*, 348 (2015) 421-432.
36. C. Kharbanda, M.S. Alam, H. Hamid, K. Javed, A. Dhulap, S. Bano, Y. Ali, Antidiabetic effect of novel benzenesulfonylureas as PPAR- γ agonists and their anticancer effect, *Bioorganic & medicinal chemistry letters*, 25 (2015) 4601-4605.
37. C. Kharbanda, M.S. Alam, H. Hamid, K. Javed, S. Bano, Y. Ali, S. Nazreen, S. Haider, Ameliorative Effects of *Trichosanthes dioica* Extract in Suppressing Inflammatory Mediators and Attenuating Oxidative Stress, *Planta medica*, 81 (2015) 348-356.
38. S. Haider, M.S. Alam, H. Hamid, 1, 3, 4-Thiadiazoles: A potent multi-targeted pharmacological scaffold, *European journal of medicinal chemistry*, 92 (2015) 156-177.
39. Y. Ali, M.S. Alam, H. Hamid, A. Husain, S. Shafi, A. Dhulap, F. Hussain, S. Bano, C. Kharbanda, S. Nazreen, Design and Synthesis of Butenolide-based Novel Benzyl Pyrrolones: Their TNF- α based Molecular Docking with In vivo and In vitro Anti-inflammatory Activity, *Chemical biology & drug design*, 86 (2015) 619-625.
40. Y. Ali, M.S. Alam, H. Hamid, A. Husain, A. Dhulap, S. Bano, C. Kharbanda, S. Nazreen, S. Haider, Design and synthesis of butenolide-based amide derivatives as anti-inflammatory agents, *Medicinal Chemistry Research*, 24 (2015) 3775-3784.
41. Y. Ali, M.S. Alam, H. Hamid, A. Husain, S. Bano, A. Dhulap, C. Kharbanda, S. Nazreen, S. Haider, Design, synthesis and biological evaluation of piperic acid triazolyl derivatives as potent anti-inflammatory agents, *European Journal of medicinal chemistry*, 92 (2015) 490-500.
42. M. Rajput, V.K. Jain, H. Hamid, M. Aggarwal, R.K. Khandal, Quantitative Determination Of Platinum And Palladium In Donepezil Hydrochloride Using Inductively Coupled Plasma–Optical Emission Spectroscopy, *International Journal of Pharmacy and Pharmaceutical Sciences*, 7 (2014) 323-329.
43. S. Nazreen, M.S. Alam, H. Hamid, M.S. Yar, S. Shafi, A. Dhulap, P. Alam, M. Pasha, S. Bano, M.M. Alam, Design, synthesis, in silico molecular docking and biological evaluation of novel oxadiazole based thiazolidine-2, 4-diones bis-heterocycles as PPAR- γ agonists, *European journal of medicinal chemistry*, 87 (2014) 175-185.
44. S. Nazreen, M.S. Alam, H. Hamid, M.S. Yar, A. Dhulap, P. Alam, M. Pasha, S. Bano, M.M. Alam, S. Haider, Thiazolidine-2, 4-diones derivatives as PPAR- γ agonists: Synthesis, molecular docking, in vitro and in vivo antidiabetic activity with hepatotoxicity risk evaluation and effect on PPAR- γ gene expression, *Bioorganic & medicinal chemistry letters*, 24 (2014) 3034-3042.
45. S. Nazreen, M.S. Alam, H. Hamid, A. Dhulap, M.M. Alam, S. Bano, S. Haider, M. Ali, K. Pillai, New flavone and phenolic esters from *Callistemon lanceolatus* DC: Their molecular docking and antidiabetic activities, *Arabian Journal of Chemistry*, (2014).
46. C. Kharbanda, M.S. Alam, H. Hamid, K. Javed, S. Shafi, Y. Ali, P. Alam, M. Pasha, A. Dhulap, S. Bano, Novel benzenesulfonylureas containing thiophenylpyrazoline moiety as potential antidiabetic and anticancer agents, *Bioorganic & medicinal chemistry letters*, 24 (2014) 5298-5303.
47. C. Kharbanda, M.S. Alam, H. Hamid, K. Javed, S. Bano, A. Dhulap, Y. Ali, S. Nazreen, S. Haider, Synthesis and evaluation of pyrazolines bearing benzothiazole as anti-inflammatory agents, *Bioorganic & medicinal chemistry*, 22 (2014) 5804-5812.
48. C. Kharbanda, M.S. Alam, H. Hamid, S. Bano, S. Haider, S. Nazreen, Y. Ali, K. Javed, *Trapa natans* L. root extract suppresses hyperglycemic and hepatotoxic effects in STZ-induced diabetic rat model, *Journal of ethnopharmacology*, 151 (2014) 931-936.
49. S. Haider, M.S. Alam, H. Hamid, S. Shafi, A. Dhulap, F. Hussain, P. Alam, S. Umar, M. Pasha, S. Bano, Synthesis of novel 2-mercaptopbenzoxazole based 1, 2, 3-triazoles as inhibitors of

- proinflammatory cytokines and suppressors of COX-2 gene expression, *European journal of medicinal chemistry*, 81 (2014) 204-217.
50. S. Haider, M.S. Alam, H. Hamid, A. Dhulap, S. Umar, M.S. Yar, S. Bano, S. Nazreen, Y. Ali, C. Kharbanda, Design, synthesis, and docking studies of 2-benzoxazolinone-based 1, 2, 4-triazoles as proinflammatory cytokine inhibitors, *Medicinal Chemistry Research*, 23 (2014) 4250-4268.
 51. S. Haider, M.S. Alam, H. Hamid, 1, 2, 3-Triazoles: scaffold with medicinal significance, *Inflammation and Cell Signaling*, 1 (2014).
 52. Y. Ali, M.S. Alama, H. Hamida, A. Hussain, 2 (3H) Pyrrolone—a Biologically Active Scaffold (A Review), *Oriental Journal of Chemistry*, 30 (2014) 01-16.
 53. Y. Ali, M.S. Alam, H. Hamid, A. Hussain, 2 (3H) Pyrrolone—A Biologically Active Scaffold, *ChemInform*, 45 (2014).
 54. Y. Ali, M.S. Alam, H. Hamid, A. Husain, C. Kharbanda, S. Bano, S. Nazreen, S. Haider, Attenuation of inflammatory mediators, oxidative stress and toxic risk evaluation of *Aporosa lindleyana* Baill bark extract, *Journal of ethnopharmacology*, 155 (2014) 1513-1521.
 55. S. Haider, C. Kharbanda, M.S. Alam, H. Hamid, M. Ali, M. Alam, S. Nazreen, Y. Ali, Anti-inflammatory and anti-nociceptive activities of two new triterpenoids from *Adiantum capillus-veneris* Linn, *Natural product research*, 27 (2013) 2304-2310.
 56. S. Haider, M.S. Alam, H. Hamid, S. Shafi, A. Nargotra, P. Mahajan, S. Nazreen, A.M. Kalle, C. Kharbanda, Y. Ali, Synthesis of novel 1, 2, 3-triazole based benzoxazolinones: their TNF- α based molecular docking with in-vivo anti-inflammatory, antinociceptive activities and ulcerogenic risk evaluation, *European Journal of medicinal chemistry*, 70 (2013) 579-588.
 57. R. Bashir, K. Javed, S. Yaseen, S. Ovais, P. Rathore, H. Hamid, M. Alam, M. Samim, S. Singh, V. Nair, 6-Chloro-7-methyl-3', 4'-dimethoxyflavone-a potent selective COX-2 inhibitor, *Medicinal Chemistry*, 9 (2013) 617-623.
 58. S. Nazreen, G. Kaur, M.M. Alam, S. Shafi, H. Hamid, M. Ali, M.S. Alam, New flavones with antidiabetic activity from *Callistemon lanceolatus* DC, *Fitoterapia*, 83 (2012) 1623-1627.
 59. S. Haider, S. Nazreen, M.M. Alam, H. Hamid, M.S. Alam, Anti-inflammatory and anti-nociceptive activities of *Platanus orientalis* Linn. and its ulcerogenic risk evaluation, *Journal of ethnopharmacology*, 143 (2012) 236-240.
 60. R. Bashir, S. Yaseen, S. Ovais, H. Hamid, M. Alam, M. Samim, K. Javed, Synthesis and blood-glucose-lowering activity of some novel benzenesulfonylthiourea derivatives substituted with 6-aryl-4, 5-dihydropyridazin-3 (2H)-ones, *Medicinal Chemistry Research*, 21 (2012) 428-436.
 61. R. Bashir, S. Yaseen, S. Ovais, S. Ahmad, H. Hamid, M. Alam, M. Samim, K. Javed, Synthesis and biological evaluation of some novel sulfamoylphenyl-pyridazinone as anti-inflammatory agents (Part-II), *Journal of enzyme inhibition and medicinal chemistry*, 27 (2012) 92-96.
 62. R. Bashir, S. Ovais, S. Yaseen, H. Hamid, M. Alam, M. Samim, K. Javed, Synthesis and blood-glucose-lowering activity of some novel benzenesulfonylurea derivatives substituted with 6-aryl-4, 5-dihydropyridazin-3 (2H)-ones, *Medicinal Chemistry Research*, 21 (2012) 4352-4356.
 63. M.M. Alam, S. Nazreen, S. Haider, S. Shafi, M.S. Yar, H. Hamid, M.S. Alam, Synthesis of Some New S-Alkylated 1, 2, 4-Triazoles, Their Mannich Bases and Their Biological Activities, *Archiv der Pharmazie*, 345 (2012) 203-214.
 64. M. Mahboob Alam, M. Shaharyar, H. Hamid, S. Nazreen, S. Haider, M. Sarwar Alam, Synthesis of novel 8-hydroxy quinolin based 1, 3, 4-oxadiazoles and S-substituted 1, 2, 4-triazole derivatives and evaluation of their anti-inflammatory, analgesic, ulcerogenic and anti-microbial activities, *Medicinal Chemistry*, 7 (2011) 663-673.
 65. S. Haider, S. Nazreen, M.M. Alam, A. Gupta, H. Hamid, M.S. Alam, Anti-inflammatory and anti-nociceptive activities of ethanolic extract and its various fractions from *Adiantum capillus veneris* Linn, *Journal of ethnopharmacology*, 138 (2011) 741-747.

66. R. Bashir, S. Ovais, S. Yaseen, H. Hamid, M. Alam, M. Samim, S. Singh, K. Javed, Synthesis of some new 1, 3, 5-trisubstituted pyrazolines bearing benzene sulfonamide as anticancer and anti-inflammatory agents, *Bioorganic & medicinal chemistry letters*, 21 (2011) 4301-4305.
67. Two new bioactive oleanane triterpene glycosides from *Terminalia arjuna*, M Sarwar Alam, Gurpreet Kaur, Asif Ali, Hinna Hamid, Mohammad Ali, Mohammad Athar, *Natural Product Research*. 22(14), pp1279-1288, 2008
68. Two New Phytoconstituents from *Rumex maritimus* S Tarique Abdullah, Hamid H, M Sarwar Alam, S H Ansari & Mohammed Ali, *Indian Journal of Chemistry*, 47 B (4), pp619-22, 2008
69. Anti-inflammatory and Analgesic activity of *Rumex maritimus*. Hamid H, S. Tarique Abdullah, S. H. Ansari, M. Sarwar Alam, *Hamdard Medicus*, Vol 50, No 3, pp 31-33 2007
70. Three phytoconstituents from *Rumex maritimus* seeds, S. Tarique Abdullah, Hamid H, Mohammed Ali, S. H. Ansari, M. Sarwar Alam. *Hamdard Medicus*, Vol 50, No 4, pp 133-136, 2007
71. Two new terpenes from the lichen *Parmelia perlata*. S. Tarique Abdullah, Hamid H, Mohammed Ali, S.H. Ansari, M. Sarwar Alam. *Indian Journal of Chemistry*, 46(B), pp 173-176 (2007)
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