

## CURRICULUM VITAE

**Dr. Syed Nazreen**

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الدكتور سيد نازرين

استاذ مشارك

قسم الكيمياء

كلية العلوم

جامعة الباحة

المملكة العربية السعودية

الجوال: 0533535674

### Brief Academic Profile

### نبذة أكاديمية مختصرة

- **Doctorate (2015):** Organic Chemistry, Jamia Hamdard, New Delhi, India.  
دكتوراه (2015): الكيمياء العضوية ، جامعة حمدارد ، نيودلهي ، الهند.
- **Master of Science (Chemistry, 2008):** Jamia Hamdard, New Delhi, India.  
ماجستير في العلوم (كيمياء ، 2008): جامعة حمدارد ، نيودلهي ، الهند.
- **Bachelor of Science (2006):** Lucknow University, India.  
بكالوريوس العلوم (2006): جامعة لكانو ، الهند.

### Academic Achievements and Scholarship

### الإنجازات الأكاديمية والمنح الدراسية

- Project granted from Deanship of Scientific Research, AL Baha University, Albaha, KSA (Project No. 116 /1438)  
مشروع من عمادة البحث العلمي ، جامعة الباحة ، الباحة ، المملكة العربية السعودية (مشروع رقم 1438/116).
- Project granted from Deanship of Scientific Research, AL Baha University, Albaha, KSA (Project No. 1441/04)

- مشروع من عمادة البحث العلمي ، جامعة الباحة ، الباحة ، المملكة العربية السعودية (رقم المشروع 04/1441).
- Project granted from King Abdulaziz Centre of Science and Technology (KACST, Riyadh), KSA (2019) (Grant No. 1-18-01-013-0007).  
، الرياض) ، المملكة العربية السعودية (2019 KACST) مشروع من مركز الملك عبد العزيز للعلوم والتقنية (منحة رقم 0007-013-01-18-1).
- Maulana Azad National Fellowship: Junior Research Fellowship (2010-2012) and Senior Research Fellowship (2012-2014) from University Grants Commission (UGC), New Delhi, India.  
زمالة مولانا آزاد الوطنية: زمالة بحثية للمبتدئين (2010-2012) وزمالة بحثية عليا (2012-2014) من ، نيودلهي ، الهند (UGC) هيئة المنح الجامعية.
- International travel grant from Department of Science and Technology (DST), New Delhi, India, 2012.  
، نيودلهي ، الهند ، 2012 (DST) منحة سفر دولية من وزارة العلوم والتكنولوجيا.
- Hamdard National Fellowship (2009-2010): from Jamia Hamdard (Hamdard University), New Delhi, India.  
زمالة حمدارد الوطنية (2009-2010): من جامعة حمدارد (جامعة حمدارد) ، نيودلهي ، الهند.

## Research Areas

## نطاقات البحث

- Development of new synthetic methodologies, eco-friendly reactions and synthesis of new compounds as anticancer, antimicrobial, antiinflammatory, antidiabetic and antiviral agents. • تطوير منهجيات تركيبية جديدة ، تفاعلات صديقة للبيئة وتوليف مركبات جديدة مثل العوامل المضادة للسرطان ومضادات الميكروبات والالتهابات ومضادات السكر ومضادات الفيروسات.
- Semi-synthetic modifications of biologically active natural products. • التعديلات شبه الاصطناعية للمنتجات الطبيعية النشطة بيولوجيا.
- Handling of analytical instruments like UV-Visible spectrophotometer, Fourier Transform-IR spectrophotometer, NMR spectrophotometer and Mass spectrophotometer, HPLC, analytical and preparative HPLC, GC, GC-MS, LC-MS, HPTLC, etc. • التعامل مع الأدوات التحليلية مثل مقياس الطيف الضوئي المرئي بالأشعة فوق البنفسجية ، ومقياس الطيف الكتلي ، و NMR ، ومقياس الطيف الضوئي Fourier Transform-IR ومقياس الطيف الضوئي ، إلخ HPTLC ، و LC-MS ، و GC-MS ، و GC التحليلي والإعدادي ، و HPLC ، و HPLC.

- Analysis and characterization of compounds using spectral techniques like Fourier Transform IR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, Mass (including DEPT etc), MS and MALDI-TOF-TOF-MS/MSMS. • Fourier Transform IR و 1H-NMR 13 C-NMR و DEPT و MS (إلخ) و MALDI-TOF-TOF-MS / MSMS. (بما في ذلك الكتلة) و 1H-NMR 13 C-NMR و DEPT و MS (إلخ) و MALDI-TOF-TOF-MS / MSMS.

## Doctorate project

## مشروع الدكتوراه

**Ph.D. Thesis Title:** Identification of plant derived and synthetic antidiabetic agents,

**Ph.D Supervisor:** Prof. Mohammad Sarwar Alam, Jamia Hamdard, New Delhi, India.

## Experience

## خبرة

### Teaching Experience

### خبرة في التدريس

1. Assistant Professor in Department of Chemistry, College of Science, Albaha University, Albaha, Kingdom of Saudi Arabia (2016 till date)

(أستاذ مساعد في قسم الكيمياء ، كلية العلوم ، جامعة الباحة ، الباحة ، المملكة العربية السعودية (2016 حتى الآن).

2. One year teaching experience to Master and graduate students at Kuvempu University (Karnataka), New Delhi.

خبرة في التدريس لمدة عام لطلاب الماجستير والدراسات العليا في جامعة كوفيمبو (كارناتاكا) ، نيودلهي.

### Industrial Experience:

### :الخبرة الصناعية

1. 6 months training on handling HPLC and GC instrument and their applications at Ranbaxy Research Laboratories, Gurgoan, India.

، الهند Gurgoan ، Ranbaxy Research Laboratories وتطبيقاتهما في GC و HPLC تدريب لمدة 6 أشهر على التعامل مع جهاز ، الهند Gurgoan ، Ranbaxy Research Laboratories

2. Two months summer training on a synthetic project “Synthesis of intermediate Acitretin” for fulfillment for the award of M. Sc. Degree at Ranbaxy Research Laboratories, Gurgoan, India.

تدريب صيفي لمدة شهرين على مشروع تركيبى "توليف الأستيريتين الوسيط" للإنجاز لنيل درجة الماجستير. شهادة  
في مختبرات أبحاث رانباكسي ، جورجوان ، الهند

3. Two months training on a Parr Hydrogenator at Ranbaxy Research Laboratories, Gurgoan, India.

تدريب لمدة شهرين على Parr Hydrogenator في Ranbaxy Research Laboratories ،Gurgoan ، الهند.

### الدورات التي تدرس في برنامج البكالوريوس Courses taught in Bachelor Program

- التحضير العضوي • Organic Synthesis
- الكيمياء العضوية • Organic Chemistry
- كيمياء المركبات الحلقية غير المتجانسة • Chemistry of Heterocyclic Compounds
- كيمياء المركبات الحلقية • Chemistry of Alicyclic Compounds
- كيمياء البوليمر • Polymer Chemistry
- كيمياء المنتجات الطبيعية • Chemistry of Natural Products
- كيمياء وتكنولوجيا الأصباغ • Chemistry and Technology of dyes

### الدورات التي تدرس في برنامج الماجستير Courses taught in Master Program

- التحضير العضوي • Organic Synthesis
- المكتبات الكيميائية والتوليف الفعال • Chemical Libraries and Efficient Synthesis
- آليات التفاعل العضوي • Organic Reaction Mechanisms
- كيمياء عضوية متقدمة • Advanced Organic Chemistry

### الإشراف على رسائل الماجستير Master thesis supervision

- **As Supervisor:** Three students supervised for master degree in organic chemistry  
كمشرف: ثلاثة طلاب أشرفوا على درجة الماجستير في الكيمياء العضوية
- **As Co-supervisor:** Four students supervised for the master degree.  
كمشرف مشارك: أشرف على أربعة طلاب لنيل درجة الماجستير

## Patents

## براءات الاختراع

1. Indian patent entitled "An Andrographolide compound and process of preparation thereof". **Syed Nazreen**, Mohammad Sarwar Alam, Hinna Hamid, Syed Shafi. **Patent No. 342141**. August 2020.

## List of Publications

## قائمة المنشورات

1. New Natural Eugenol Derivatives as Antiproliferative Agents: Synthesis, Biological Evaluation, and Computational Studies. **Syed Nazreen**, Serag Eldin I. Elbehairi, Azizah M. Malebari, Nuha Alghamdi, Reem F. Alshehri, Ali A. Shati, Nada M. Ali, Mohammad Y. Alfaifi, Ahmed A. Elhenawy, Mohammad Mahboob Alam. **ACS Omega 2023, 8, 18811-18822**.
2. Synthesis of N-acylated pyrazolines: Spectroscopic, crystallographic, spectroscopic characterization, Hirshfeld surface, lead sensing and theoretical studies. Mohammad Asad, Muhammad Nadeem Arshad, Abdullah M. Asiri, Hadi M. Marwani, Khalid A. Al-Amry, Mohammad Mahboob Alam, **Syed Nazreen**, Ahmed A. Elhenawy, M. M. Rahman. **Journal of Molecular Liquids, 2023, 385, 122340**.
3. Design, synthesis and biological evaluation of new eugenol derivatives containing 1,3,4-oxadiazole as novel inhibitors of thymidylate synthase. Mohammad Mahboob Alam, Serag Eldin I. Elbehairi, Ali A. Shati, Rania A. Hussien, Mohammad Y. Alfaifi, Azizah M. Malebari, Mohammad Asad, Ahmed A. Elhenawy, Abdullah M. Asiri, Ali M. Mahzari, Reem F. Alshehri, **Syed Nazreen**. **New Journal of Chemistry, 2023, 47, 5021**.
4. Andrographolide nanophytosomes exhibit enhanced cellular delivery and pro-apoptotic activities in HepG2 liver cancer cells. Neamatallah T, Malebari AM, Alamoudi AJ, **Nazreen S**, Alam MM, Bin-Melaih HH, Abuzinadah OA, Badr-Eldin SM, Alhassani G, Makki L, Nasrullah MZ. **Drug Delivery, 2023, 30, 2174209**.
5. Comprehensive studies of spiropyrrolidines towards spectroscopic characterization, X-ray diffraction, Hirshfeld surface and DFT computations. Mohammad Asad, Muhammad Nadeem Arshad, Ayyaz Mahmood, **Syed Nazreen**, Mohammad Mahboob Alam, Abdullah M. Asiri, Khalid A. Al-Amry, Hadi M.

- Marwani, Tariq R. Sobahi, Mohammed Musthafa T.N. **Journal of Molecular Structure, 2023, 1278, 134872.**
6. HPLC Profile, Anticancer, Anti-inflammatory and Antioxidant Activities of Euphorbia inarticulata Ethanolic Extract. Abdullah A. A. Alghamdi, Nada M. Ali, Mohammad Mahboob Alam, **Syed Nazreen**, Ali Mahzari. **Advances in Pharmacology and Pharmacy, 2023, 11, 156-167, 2023**
  7. Synthesis, Antimicrobial, Antiproliferative, and Docking Studies of 1,3,4-Oxadiazole Derivatives Containing Benzimidazole Scaffold. Hessah Abdullah Alzahrani, Mohammad Mahboob Alam, Ahmed A. Elhenawy, **Syed Nazreen**. **Biointerface Research in Applied Chemistry, 2023, 13, 1-16**
  8. Synthesis, Biological Evaluation, and Molecular Docking of New Benzimidazole-1,2,3-Triazole Hybrids as Antibacterial and Antitumor Agents. Shareefa Ahmed Saleh Alzahrani, **Syed Nazreen**, Ahmed A. Elhenawy, Thikryat Neamatallah, Mohammad Mahboob Alam. **Polycyclic Aromatic Compounds, 2023, 43, 3380-3391.**
  9. Cell Cycle Arrest and Apoptosis-Inducing Ability of Benzimidazole Derivatives: Design, Synthesis, Docking, and Biological Evaluation. **Syed Nazreen\***, Abdulraheem S. A. Almalki, Serag Eldin I. Elbehairi, Ali A. Shati, Mohammad Y. Alfaifi, Ahmed A. Elhenawy, Nawaf I. Alsenani, Anas Alfarsi, Abdulrahman Alhadhrami, Esam A. Alqurashi, Mohammad Mahboob Alam. **Molecules 2022, 27, 6899.**
  10. Design, synthesis, anticancer activity and molecular docking studies of new benzimidazole derivatives bearing 1,3,4-oxadiazole moieties as potential thymidylate synthase inhibitors. Abdulraheem SA Almalki, **Syed Nazreen**, Serag Eldin I Elbehairi, Mohammad Asad, Ali A Shati, Mohammad Y Alfaifi, Abdulrahman Alhadhrami, Ahmed Elhenawy, Ali Alorabi, Abdullah Asiri, Mohammad Mahboob Alam, **New Journal of Chemistry, 2022, 46, 14967.**
  11. Selective optical sensing of iron(III) ions in an aqueous medium by benzochromone-based Schiff Base and its application on test strips. Shahad Aayed Alahmady, **Syed Nazreen**, Ali Q. Alorabi, Ahmed A. Elhenawy **Environmental Technology 2022, 1-15(online issue)**
  12. Benzimidazole-1,3,4-Oxadiazole Hybrids: Synthesis, Anticancer Evaluation, Docking and DFT Studies. Shareefa Ahmed Saleh Alzahrani, **Syed Nazreen**, Ahmed

- A. Elhenawy, Abrar AHmed, Mohammad Mahboob Alam. **Chemistryselect**, 2022, e202201559
13. Ethnomedicinal uses, Pharmacological and Phytochemical Studies of *Bambusa arundinaceae* Retz (A Review). **Syed Nazreen, Oriental Journal of Chemistry**, 2022, 38, 247-258.
  14. ZnO Nanocomposites of Juniperus procera and Dodonaea viscosa Extracts as Antiproliferative and Antimicrobial Agents – Maha D Alghamdi, **Syed Nazreen\***, Nada M. Ali, Touseef Amna , **Nanomaterials**, 2022, 12, 664
  15. Synthesis, antiproliferative, docking and DFT studies of benzimidazole derivatives as EGFR inhibitors. Hessah Abdullah Alzahrani, Mohammad Mahboob Alam, Ahmed A. Elhenawy, Azizah M. Malebari, **Syed Nazreen\***, **Journal of Molecular Structure**, 2022, 1253, 1-12
  16. Design, synthesis and molecular docking studies of thiazolidinediones as PPAR- $\gamma$  agonists and thymidylate synthase inhibitors. **Syed Nazreen. Arch. Pharm (Weinheim)**, 2021, 354, 2100021.
  17. Naproxen based 1,3,4-oxadiazole derivatives as EGFR Inhibitors: Design, synthesis, anticancer and computational studies, Mohammad Mahboob Alam, **Syed Nazreen**, Abdulraheem S.A. Almalki, Ahmed A. Elhenawy, Nawaf I. Alsenani, Serag Eldin Elbehairi, Azizah Malebari, Mohammad Alfaifi, Meshari Alsharif, Sulaiman Y.M. Alfaifi, **Pharmaceuticals**, 2021, 14, 870
  18. Synthesis and biological evaluation of 1,2,3-triazole tethered thymol-1,3,4-oxadiazole derivatives as anticancer and antimicrobial agents, Abdulraheem S.A. Almalki, **Syed Nazreen**, Azizah M. Malebari, Nada M. Ali, Ahmed A. Elhenawy, Abdullah A. Alghamdi, Abrar Ahmad, Sulaiman Y.M. Alfaifi, Meshari A. Alsharif, Mohammad M. Alam, **Pharmaceuticals**, 2021, 14, 866 .
  19. Synthesis, in silico pharmacokinetics, and biological evaluation of some new thiazolidinedione as PPAR- $\gamma$  agonists and antibacterial agents. Zohor Mohammad Mahdi Alzhrani, Mohammad Mahboob Alam, **Syed Nazreen. Letters in Drug Design and Discovery**, 2021, 18, 998-1008.
  20. Experimental and theoretical investigation of new 1,3,4-oxadiazole based dioxivanadium (VO<sup>+2</sup>) complexes and their *in-vitro* antimicrobial potency. Hanan Alghamdi, **Syed Nazreen**, Ahmed A. Elhenawy, Mohamed Abdelbaset. **Material Express**, 2021, 11, 888-903.

21. Design, synthesis and molecular docking studies of thymolbased 1,2,3-triazole hybrids as thymidylate synthase inhibitors and apoptosis inducers against breast cancer cells. Mohammad Mahboob Alam, Azizah M. Malebari, **Syed Nazreen\***, Thikryat Neamatallah, Abdulraheem Almalki, Ahmed. Elhenawy, Rami J. Obaid, Meshari Al Sharif. **Bioorganic and Medicinal Chemistry, 2021, 38, 116136.**
22. Recent Advancements on Benzimidazole: A versatile scaffold in Medicinal Chemistry. Zohor Mohammad Mahdi Alzhrani, Mohammad Mahboob Alam, **Syed Nazreen\***. **Mini Reviews in Medicinal Chemistry, 2022, 22, 365-386.**
23. In silico designing, in vitro and in vivo evaluation of potential PPAR- $\gamma$  agonists derived from aryl propionic acid scaffold. Chetna Kharbanda, Mohammad Sarwar Alam, Hinna Hamid, Yakub Ali, **Syed Nazreen**, Abhijeet Dhulap, Perwez Alam, M.A.Q. Pasha. **Bioorganic Chemistry, 2021, 106, 104458.**
24. Synthesis of new 1,3,4-oxadiazole incorporated 1,2,3-triazole moieties as potential anticancer agents targeting thymidylate synthase and their docking studies. Mohammad Mahboob Alam, Abdulraheem Almalki, Thikryat Neamatallah, Nada Ali, Azizah, Malebari, **Syed Nazreen\***. **Pharmaceuticals, 2020, 13, 390-405.**
25. Design, synthesis and *in vitro* antiproliferative activity of new thiazolidinedione-1,3,4-oxadiazole hybrids as thymidylate synthase inhibitors. Zohor Mohammad Mahdi Alzhrani, Mohammad Mahboob Alam, Thikryat Nematallah, **Syed Nazreen\***. **Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1116-1123.**
26. In silico ADME predictions and in vitro antibacterial evaluation of 2-hydroxy benzothiazole-based 1,3,4-oxadiazole derivatives. Afnan Ahmed Alghamdi, Mohammad Mahboob Alam, **Syed Nazreen\***. **Turkish Journal of Chemistry, 2020, 44, 1068-1084.**
27. Synthesis, characterization and cytotoxic study of 2-hydroxy benzothiazole incorporated 1,3,4-oxadiazole derivatives. Afnan Ahmed Alghamdi, **Syed Nazreen\***. **Egyptian Journal of Chemistry, 2020, 63, 9-10.**
28. In vitro antimicrobial potentialities and in silico ADME predictions of new hydrazone-1,2,3-triazole hybrids. Hanan Abdulaziz Hashem Al Ghamdi, **Syed Nazreen**, Mohammad Mahboob Alam. **Indian Journal of Heterocyclic Chemistry, 2020, 30, 55-63**



29. Synthesis, *In Silico* Pharmacokinetic And Antimicrobial Studies of Oxovanadium (V) Complexes With 2-(4-((2-(Carboxy) Phenoxy) Methyl)-1H-1,2,3-Triazol-1-Yl) Benzoic Acid. Hanan Alghamdi, Mohamed Abdelbaset, **Syed Nazreen**. **Oriental Journal of Chemistry**, 2020, 36, 645-654
30. Chemical constituents with antimicrobial and antioxidant activity from the aerial parts of *Callistemon lanceolatus* (Sm.) Sweet. **Syed Nazreen**, Mohammad Mahboob Alam, Hinna Hamid, Mohammad Ali, Mohammad Sarwar Alam. **Natural Product Research**, 2019, 8, 1-5.
31. New flavone and phenolic esters from *Callistemon lanceolatus* DC: Their molecular docking and antidiabetic activities. **Syed Nazreen**, Mohammad Sarwar Alam, Hinna Hamid, Abhijeet Dhulap Mohammad Mahboob Alam, Saqlain Haider, Sameena Bano, K.K. Pillai. **Arabian Journal of Chemistry**, 2019, 14, 1260-1267.
32. Synthesis of Novel Amide Containing Schiffs Bases of 5-(4- Chloro-Phenyl)-Furan-2-Carboxaldehyde: Their In Vivo AntiInflammatory, Antioxidant and Antinociceptive Activities with Ulcerogenic Risk Evaluation. Saqlain Haider, Mohammad Sarwar Alam, Hinna Hamid, Sadiq Umar, Deepak Kumar, **Syed Nazreen**. **Journal of Reports in Pharmaceutical Sciences**, 2018, 7, 44-63
33. *In vitro* antioxidant, antimicrobial and antiprotozoal activities of ethanolic extract and its various fractions from *Asphodelus fistulosus* seeds. Mohammad Mahboob Alam, Ahmed Jaman Al-Fahad, **Syed Nazreen**. **Asian Journal of Biological and Life Sciences**, 2018, 7, 81-86
34. *In vitro* Antimicrobial Efficiency of Crude Extracts of Wild *Jatropha glauca* Plant Leaves Grown Naturally at Al-Baha Region, KSA. Mohammad Mahboob Alam, Sami Zabin, **Syed Nazreen**. **World Journal of Chemistry**, 2018, 6, 1-5.
35. Design, synthesis and molecular docking study of thiazolidien-2,4-dione conjugates as PPAR- $\gamma$  agonists. **Syed Nazreen**, Mohammad Sarwar Alam, Hinna Hamid, Mohammad Shahar Yar, Abhijeet Dhulap, Perwez Alam, M. A. Q. Pasha, Sameena Bano, Mohammad Mahboob Alam, Saqlain Haider, Chetna Kharbanda, Yakub Ali, K K Pillai. **Archiv der pharmazie**, 2015, 348, 421-432
36. Ameliorative effects of *Trichosanthes dioica* Extract in suppressing inflammatory mediators and attenuating oxidative stress. Chetna Kharbanda, Mohammad Sarwar Alam, Hinna Hamid, Kalim Javed, Sameena Bano, Yaqub Ali, **Syed Nazreen**, Saqlain Haider. **Planta Medica**, 2015, 81, 348-356.

37. Design and synthesis of butenolide based amide derivatives as anti-inflammatory agents. Yakub Ali, Mohammad Sarwar Alam, Hinna Hamid, Asif Husain, Sameena Bano, Chetna Kharbanda, **Syed Nazreen**, Saqlain Haider. **Medicinal Chemistry Research**, 2015, 24, 3775-3784.
38. Design and synthesis of butenolide based novel benzyl Pyrrolones: Their TNF- $\alpha$  based molecular docking with *in vivo* and *in vitro* anti-inflammatory activity. Yakub Ali, Mohammad Sarwar Alam, Hinna Hamid, Asif Husain, Syed Shafi, Abhijeet Dhulap, Firasat Hussain, Sameena Bano, Chetna Kharbanda, **Syed Nazreen**, Saqlain Haider. **Chemical Biology & Drug Design**, 2015, 86, 619-625.
39. Design, synthesis and biological evaluation of piperic acid triazolyl derivatives as potent anti-inflammatory agents. Yakub Ali, Mohammad Sarwar Alam, Hinna Hamid, Asif Husain, Sameena Bano, Abhijeet Dhulap, Chetna Kharbanda, **Syed Nazreen**, Saqlain Haider. **European Journal of Medicinal Chemistry**, 2015, 92, 490-500.
40. Synthesis and evaluation of pyrazolines bearing benzothiazole as antiinflammatory agents. Chetna Kharbanda, Mohammad Sarwar Alam, Hinna Hamid, Kalim Javed, Sameena Bano, Abhijeet Dhulap, Yakub Ali, **Syed Nazreen**, Saqlain Haider. **Bioorganic and Medicinal Chemistry**, 2014, 22, 5804-5812.
41. Design, synthesis, in silico molecular docking and biological evaluation of novel oxadiazole based thiazolidine-2,4-diones bis heterocycles as PPAR- $\gamma$  agonists. **Syed Nazreen**, Mohammad Sarwar Alam, Hinna Hamid, Mohammad Shahar Yar, Abhijeet Dhulap, Perwez Alam, M. A. Q. Pasha, Syed Shafi, Sameena Bano, Mohammad Mahboob Alam, Saqlain Haider, Chetna Kharbanda, K K Pillai. **European Journal of Medicinal Chemistry**, 2014, 87, 175-185
42. Thiazolidine-2,4-diones conjugates as PPAR- $\gamma$  agonists: Synthesis, molecular docking, *in vitro* and *in vivo* antidiabetic activity with hepatotoxicity risk evaluation and effect on PPAR- $\gamma$  gene expression. **Syed Nazreen**, Mohammad Sarwar Alam, Hinna Hamid, Mohammad Shahar Yar, Abhijeet Dhulap, Perwez Alam, M. A. Q. Pasha, Syed Shafi, Sameena Bano, Mohammad Mahboob Alam, Saqlain Haider, Chetna Kharbanda, Yakub Ali, K K Pillai. **Bioorganic and Medicinal Chemistry Letters**, 2014, 24 (14) 3034-3042
43. Synthesis of novel 2-mercaptobenzoxazole based 1,2,3-triazoles as inhibitors of proinflammatory cytokines and suppressors of COX-2 gene expression. Saqlain

- Haider, Mohammad Sarwar Alam, Hinna Hamid, Abhijeet Dhulap, Firasat Hussain, Sadiq Umar, Syed Shafi, Sameena Bano, **Syed Nazreen**, Yaqub Ali, Chetna Kharbanda. **European Journal of Medicinal Chemistry**, 2014, 81, 204-217.
44. *Trapa natans* L Root Extract Suppresses Hyperglycemic and Hepatotoxic effects in STZ induced Diabetic rat model. Chetna Kharbanda, Mohammad Sarwar Alam, Hinna Hamid, Saqlain Haider, **Syed Nazreen**, Yakub Ali, Kalim Javed. **Journal of Ethnopharmacology**, 2014, 151, 931-936
45. Design, synthesis and molecular docking studies of 2-benzoxazolinone based 1,2,4-triazoles as proinflammatory cytokines inhibitors. Saqlain Haider, Mohammad Sarwar Alam, Hinna Hamid, Abhijeet Dhulap, Sadiq Umar, Mohammad Shahar Yar, Sameena Bano, **Syed Nazreen**, Yaqub Ali, Chetna Kharbanda. **Medicinal Chemistry Research**, 2014, 23, 4250-4268
46. Attenuation of inflammatory mediators and oxidative stress by *Aporosa lindleyana* Baill. bark Extract in carrageenan induced edema model. Yakub Ali, Mohammad Sarwar Alam, Hinna Hamid, Sameena Bano, **Syed Nazreen**, Saqlain Haider, Chetna Kharbanda, Asif Husain. **Journal of Ethnopharmacology**, 2014, 155, 1513-1521.
47. Novel benzenesulfonylureas containing thiophenylpyrazoline moiety as antidiabetic and anticancer agents. Chetna Kharbanda, Mohammad Sarwar Alam, Hinna Hamid, Kalim Javed, Syed Shafi, Yakub Ali, Perwez Alam, M. A. Q. Pasha, Abhijeet Dhulap, Sameena Bano, **Syed Nazreen**, Saqlain Haider. **Bioorganic and Medicinal Chemistry Letters**, 2014, 24, 5298-5303
48. Synthesis of novel 1,2,3-triazole based benzoxazolinone: Their TNF based molecular docking with *in vivo* antiinflammatory, antinociceptive activity and ulcerogenic risk evaluation. Saqlain Haider, Mohammad Sarwar Alam, Hinna Hamid, Syed Shafi, Amit Nargotra, Priya Mahajan, **Syed Nazreen**, Arunasree M. Kale, Chetna Kharbanda, Yakub Ali, Aftab Alam, Amulya K. Panda. **European Journal of Medicinal Chemistry**, 2013, 70, 579-288
49. Anti-inflammatory and antinociceptive triterpenoids from *Adiantum capillus veneris*. Saqlain Haider, Chetna Kharbanda, Mohammad Sarwar Alam, Hinna Hamid, Mohammad Ali, Mohammad Mahboob Alam, **Syed Nazreen**, Yakub Ali. **Natural Product Research**, 2013, 156, 2304-2310.

50. New flavones with antidiabetic activity from *Callistemon lanceolatus* DC. **Syed Nazreen**, Gurpreet Kaur, Mohammad Mahboob Alam, Syed Shafi, Hinna Hamid, Mohammad Ali, Mohammad Sarwar Alam. **Fitoterapia** 2012, **83**, 1623-1627.
51. Anti-inflammatory and antinociceptive activities of *Platanus orientalis* and its ulcerogenic risk evaluation. Saqlain Haider, **Syed Nazreen**, Mohammad Mahboob Alam, Hinna Hamid, Mohammad Sarwar Alam. **Journal of Ethnopharmacology** 2012, **143**, 236-240.
52. Hypoglycaemic activity of *Callistemon lanceolatus* leaf ethanolic extract in streptozotocin induced diabetic rats. **Syed Nazreen**, Gurpreet Kaur, Mohammad Mahboob Alam, Saqlain Haider, Hinna Hamid, Mohammad Sarwar Alam. **Pharmacologyonline** 2011, **1**, 799-808.
53. Hypoglycaemic activity of *Bambusa arundinacea* leaf ethanolic extract in streptozotocin induced diabetic rats. **Syed Nazreen**, Gurpreet Kaur, Mohammad Mahboob Alam, Saqlain Haider, Hinna Hamid, Mohammad Sarwar Alam. **Pharmacologyonline** 2011, **1**, 964-972.
54. Phytochemical Investigation of *Bambusa arundinacea* Retz. **Syed Nazreen**, Mohammad Sarwar Alam, Gurpreet Kaur, Hinna Hamid, Mohammad Mahboob Alam, Saqlain Haider, Syed Shafi, Mohammad Ali. **International Journal of Natural Product Science**, 2011, **3**, 1-7.
55. Anti-inflammatory and analgesic activity of ethanolic extract and its various fractions from *Adiantum capillus veneris*. Saqlain Haider, **Syed Nazreen**, Mohammad Mahboob Alam, Hinna Hamid, Mohammad Sarwar Alam. **Journal of Ethnopharmacology**, 2011, **138**, 741-747.
56. Synthesis of some new S-alkylated 1,2,4-triazole, Their Mannich bases and Their biological activities. Mohammad Mahboob Alam, **Syed Nazreen**, Saqlain Haider, M. Shahar Yar, Hinna Hamid and Mohammad Sarwar Alam. **Archive de Pharmazie Chemistry in life science**, 2011, **7**, 1-12.
57. 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. Mohammad Mahboob Alam, M. Shahar Yar, Hinna Hamid, **Syed Nazreen**, Saqlain Haider, Mohammad Sarwar Alam. **Medicinal Chemistry**, 2011, **6**, 663-674.

## Conferences/ Seminars/Workshops attended

المؤتمرات / الندوات / ورش العمل التي حضرها

- International Webinar on “**Scientific Writing**”; organised by University of Jaipur, India 27-28 Nov. 2020
- International Conference on “**Advances in Human Healthcare Systems - Healthcare India 2012**”organised by Jamia Hamdard, 20-23February, 2012.
- International conference on “Chemistry: Frontiers and Challenges” organised by Aligarh Muslim University, 5-6 March, 2011.
- International Conference on “**Recent advances in Green Chemistry**”organised by Indian Oil Corporation Limited, 12-14January, 2012.
- International conference on “**Polymer Science and Technology-APA-2009**” organized by Asian Polymer Association, New Delhi, Dec 2009
- National conference on “**Advances in Chemical sciences**” organised by Maharishi Dayanand University, Rohtak, 1-2 March, 2013.
- National Conference on “**Recent advances in Chemistry and their Impact on the environment**” organised by Punjabi University, Patiala.
- National symposium on “**Recent Advances in Analytical Sciences**” organised by Shimla University and Indian Society of Analytical Sciences-Delhi Chapter, Shimla from 12-14 April, 2010

## Reviewer in Peer Review/Reputed journals

مراجع في مجلة الأقران / المجلات المشهورة

- Archive der Pharmazie
- Pharmaceuticals MDPI
- Molecules MDPI
- Letters in Drug Design and Discovery