

## **Curriculum Vitae**

**Dr. MD RAFI HAIDER**

Dept. of Pharmaceutical Chemistry

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### **CAREER OBJECTIVE:**

To join an organisation that may provide a platform to show my caliber of education & skills and make myself useful for its growth and for the betterment of humanity.

### **EXPERIENCE:**

**Jamia Hamdard, New Delhi** as Junior Research Fellow (MAN-JRF) from 10<sup>th</sup> October 2014 to 25<sup>th</sup> Sep 2017 and Senior Research Fellow (MAN-SRF) from 26<sup>th</sup> Sep 2017 to 09 Oct 2019.

### **EDUCATIONAL QUALIFICATION:**

- Ph. D. (**Pharmaceutical Chemistry**) (Viva held on 07 November 2019) from SPER (School of Pharmaceutical Education and Research), Jamia Hamdard, New Delhi.
- M. Pharm (**Pharm. Chemistry**) (2012-14) from SPER, Jamia Hamdard with 78.3 % marks (**CGPA: 9.35**).
- B. Pharm (2008-12) from SPER, Jamia Hamdard with 73.29 % marks.

### **AWARDS /ACHIEVEMENTS:**

- Awarded Maulana Azad National Fellowship (F1-17.1/2014-15/MANF-2014-15-MUS-BIH-38609)
- Awarded UGC Scholarship (2012-14)
- Qualified **GPAT 2012** with percentile 97.76

### **PROJECT TITLE:**

**Ph.D. Title:** “Design and synthesis of substituted acridines as topoisomerase inhibitors” under the supervision of **Prof. (Dr.) M. Shahar Yar (Associate Professor) & Prof. (Dr.) Nadeem Siddiqui**, Deptt. of Pharmaceutical Chemistry, SPER, Jamia Hamdard, New Delhi 110062.

**M. Pharm Title:** “Synthesis, Spectral Characterization and Biological Evaluation of some New Pyrazole amalgamated Benzenesulfonamide Derivatives” under the supervision of **Prof. (Dr.) Sandhya Bawa**, Deptt. of Pharmaceutical Chemistry, SPER, Jamia Hamdard, New Delhi 110062.

## **INSTRUMENTATION AND METHODOLOGY SKILLS:**

- Synthesis of synthetic drugs containing heterocyclic moieties for biological activity of interest.
- UV-Visible spectroscopy, Data interpretation of FT-IR, <sup>1</sup>H-NMR & <sup>13</sup>C NMR.
- Microbiological Assays
- Handling of laboratory animals (rodents)
- Other basic instruments and techniques like Rotavapor, Lyophilizer.

## **PUBLICATIONS:**

- **Md. Rafi Haider**, Kamal Ahmad, Nadeem Siddiqui, Zulphikar Ali, Md Jawaid Akhtar, Neeraj Fuloria, Shivkanya Fuloria, Manikam Ravichandran, M. Shahar Yar. "Novel 9-(2-(1-arylethylidene) hydrazinyl) acridine derivatives: Target Topoisomerase 1 and growth inhibition of HeLa cancer cells". **Bioorg. Chem.** 88 (2019), p.102962.
- Md Jawaid Akhtar, M. Shahar Yar, V. K. Sharma, Ahsan Ahmed Khan, Zulphikar Ali, **Md Rafi Haider**, and Ankita Pathak. "Recent Progress of Benzimidazole Hybrids for Anticancer Potential". **Curr. Med. Chem.** (2019)
- Fatima Naaz, **Md. Rafi Haider**, Syed Shafi, and M. Shahar Yar, 2019. "Anti-tubulin agents of natural origin: Targeting taxol, vinca, and colchicine binding domains". **Eur. J. Med. Chem.** (2019).
- Kumari Neha, **Md. Rafi Haider**, Ankita Pathak, and M. Shahar Yar, 2019. "Medicinal prospects of antioxidants: A review". **Eur. J. Med. Chem.** (2019).
- Md Jawaid Akhtar, Ahsan Ahmed Khan, Zulphikar Ali, Rikeshwer Prasad Dewangan, **Md Rafi**, Md Quamrul Hassan, Md Sayeed Akhtar et al. "Synthesis of stable benzimidazole derivatives bearing pyrazole as anticancer and EGFR receptor inhibitors". **Bioorg. Chem.** 78 (2018): 158-169.

## **SEMINARS/CONFERENCES:**

- Attended 3 days International conference on the topic "Challenges for Global competitiveness of AYUSH and Natural Products" from 2-4 Feb 2018 held at DPSRU University, New Delhi and presented poster.
- Attended 3 days International conference on the topic "Emerging Trends in Drugs Development and Natural Products" from 12-14 Jan 2018 held at Deptt. of chemistry, Delhi University, New Delhi and presented poster.
- Attended 7<sup>th</sup> International Conference on the topic "Recent Advances in Cardiovascular Sciences" from 10-11<sup>th</sup> March 2015 held at Amity University, Noida.
- Attended India International Science Festival from 4<sup>th</sup> to 8<sup>th</sup> December 2015 organised at IIT Delhi.

- Attended two days workshop on “Recent Advancements in Molecular Modelling and Drug Design” held on 21-22 Nov, 2015 at Jamia Hamdard, New Delhi.

#### **AREA OF INTEREST:**

- Academics, Research and Development

#### **EXTRA CURRICULAR ACTIVITIES:**

- Actively involved in Rx 2013 organized by Faculty of Pharmacy, Jamia Hamdard.
- Actively involved in various cultural events organised at school level.

#### **COMPUTER SKILLS**

- Worked on Schrodinger software (Maestro 10.5, 11.0 Inc. USA), CHEM-office package, MS office (Word, Excel, Power Point), Internet application

#### **PROFESSIONAL AFFILIATION**

- Life-time member of Indian Pharmacy Graduates Association.

#### **PERSONAL DETAILS:**

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|-------------------|---|---|
| Father's Name     | : | Late Md. Wakil Haider   |
| Sex               | : | Male  |
| Date of Birth     | : | 22 <sup>nd</sup> Feb 1988   |
| Language          | : | English, Hindi, Urdu  |
| Marital Status    | : | Single  |
| Permanent Address | : | Near Pokharia Masjid, Pokharia,<br>Begusarai (851101), Bihar, India |

#### **REFERENCES:**

- **Prof. (Dr.) M. Shahar Yar**, Associate Professor, Deptt. of Pharmaceutical Chemistry, SPER, JamiaHamdard, New Delhi- 110062. Email id- [msyar@rediffmail.com](mailto:msyar@rediffmail.com)
- **Prof. (Dr.) Javed Ali**, Associate Professor, Deptt. of Pharmaceutics, SPER, Jamia Hamdard, NewDelhi- 110062. Email id- [javedaali@yahoo.com](mailto:javedaali@yahoo.com)

#### **DECLARATION:**

I hereby declare that all the information furnished here are authentic to the best of my knowledge.



(Dr. Md Rafi Haider)

**Date:** 28/06/2023

**Place:** New Delhi