



RESUME

Dr. MD. AZHAR IQBAL
DOB-25 FEB, 1988

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FATHER'S NAME

- LATE ABDUS SALAM

AREA OF INTEREST

- TEACHING

CAREER OBJECTIVE

- To work in a challenging environment that provides ample opportunities to learn, grow, show my skills and knowledge for professional growth and utilize the same for the progress of the organization of which I become a part.

Education

PhD

Department of Pharmaceutical Chemistry, SPER, Jamia Hamdard (Hamdard University), New Delhi, India. Topic entitled " **DESIGN AND SYNTHESIS OF SOME FUSED HETEROCYCLIC DERIVATIVES: SEARCH FOR POTENTIAL ANTICANCER AGENTS.**" (July 2015–23 Feb 2021)

M. Pharm.

Department of Pharmaceutical Chemistry, SPER, Jamia Hamdard (Hamdard University), New Delhi, India. Thesis entitled "*Design, Synthesis and Molecular Docking of Fluorinated 4,5-Dihydro Pyrazole Derivatives as Potential Anticancer and Anti-inflammatory Agents*" [2011–2013-75.08%]

B. Pharm.

Faculty of Pharmacy, Jamia Hamdard (Hamdard University), New Delhi, India. [2007–2011-66.79%]

PGDPRA

School of Distance Learning (SODL), Jamia Hamdard (Hamdard University), New Delhi, India. (2019–2021)

WORKING EXPERIENCE:

Research and Teaching experience after M. Pharm -12 Years

Employment Detail

1. July 2013–Jan 2015

Assistant Professor in *R.V. Northland Institute*, Dadri, Greater Noida U.P. 203207, India.

2. From 4 January 2021 to 8 Jan 2023

As Associate Professor and HOD in *R.V. Northland Institute*, Dadri, Greater Noida U.P. 203207, India.

3. ***From 9 January 2023 to 27 Sept 2024***

ICMR-RA from Jamia Hamdard

4. ***From 1 October 2024 to Till date***

- As ***Assistant Professor*** from ***Jamia Hamdard***, New Delhi, 110062 India.






Books (8 Books) _____

- ***Six books published for B. pharm:***
 - 2 book of Pharmaceutical Analysis***
 - 1 book of Organic Chemistry***
 - 1 book of Biochemistry***
 - 2 books of Medicinal Chemistry***
- ***Two books published for M. pharm***
 - 1. MAT and***
 - 2. CADD (M. Pharm Pharmacology)***





Patents (2) _____

File 2 Patents

Research Experience & Analytical Knowledge _____

-  Designing and planning of **Docking and Pharmacophore** studies by **Schrodinger Software**.
-  Designing and planning of laboratory reaction as per route of synthesis and purification by recrystallization, column chromatography and preparative TLC techniques.
-  Structure elucidation of synthetic compounds by exhaustive spectral analysis by FT-IR, NMR (¹H & ¹³C- NMR) & Mass spectrophotometry techniques.
-  Purification of impure products by precipitation, crystallization, distillation and chromatography techniques.
-  Anticancer and *NCI* data interpretation

Knowledge of Computer _____

-  ***Expertise in Molecular docking by using Schrodinger software.***
-  Working knowledge of MS Office (Word, Excel, PowerPoints etc), Internet and Chemistry
-  Software like **ACD/ChemSketch 12.0, ChemDraw 16.0, GraphPad Prism, Instat QikProp, Protox** etc.
-  Scientific data retrieval from various Internet portals like **SciFinder, Sci-hub, Science Direct, PubMed, PubChem, Chemscketch, Chemdraw, PLIP software,**

Protox, etc.

 Easily work on **Vmedulife Software**.

Publications

PUBLISHED PAPER:

1. In *Chemistry and Biodiversity* (2024) entitled “Thiazolobenzamide-Naphthalene Hybrids as Potent Anticancer Agents Compared to Doxorubicin: Design, Synthesis, SAR, In-silico and Toxicity Analysis.
2. In *IJARESM* (2024) entitled “cardioprotective role of hydroalcoholic extract of ficus religiosa bark in doxorubicin-induced cardiotoxicity in rat”
3. In *Archive der Pharmaize* (2021) entitled “Design, synthesis, and biological evaluation of imidazopyridine-linked thiazolidinone as potential anticancer agents.
4. In *Zeitschrift für Naturforschung B* (2021) Furanone-functionalized benzothiazole derivatives: synthesis, in vitro cytotoxicity, ADME, and molecular docking studies.
5. In *Journal of the Chinese Chemical Society* (2020). Synthesis, in vitro cytotoxicity, ADME, and molecular docking studies of benzimidazole-bearing furanone derivatives.
6. In *European Journal of Medicinal Chemistry*, (2019), Insights into the chemistry and therapeutic potential of furanones: A versatile Pharmacophore.
7. In *Bioorganic Chemistry*, (2019), Novel hybrids of benzothiazole-1,3,4-oxadiazole-4-thiazolidinone: Synthesis, *in silico* ADME study, molecular docking and *in vivo* anti-diabetic assessment.
8. In *Bioorganic Chemistry*, (2019), Synthesis, ADME, docking studies and *in vivo* anti-hyperglycaemic potential estimation of novel Schiff base derivatives from octadec-9-enoic acid.
9. *JPMC* (2019) Evolution in Medicinal Chemistry of Prazolopyrimidine Derivatives as Anticancer Agents.
10. In *Bioorganic Chemistry*, (2018), Synthesis, molecular modelling studies and ADME prediction of benzothiazole clubbed oxadiazole-Mannich bases, and evaluation of their anti-diabetic activity through in vivo model
11. In *Oriental Journal of Chemistry*, (2018), Newly Synthesized Oxadiazole Based Mannich Base Derivatives of Fatty Acid: *In silico* Study and *In vivo* Anti-Hyperglycaemic Estimation.
12. In *IJPACR*, (2018), A Review on Rivaroxaban: A Prominent Oral Anti-coagulant Agent.
13. In *Analytical Pharmaceutical Research* (2016), Force degradation study.

14. In *JPMC (2017)*, A Review on Methods of Anticancer Activity Evaluation of Synthetic and Natural Compounds.

15. In *JPMC (2016)*, Triazole: A Potentially Biologically Attractive Scaffold.

16. In *ARC journal of pharmaceutical science (2015)*, Studies on Diesters Derived from Diacetyl Resorcinol.

CONFERENCES AND SEMINAR

I have participated in about 100+ National and International conferences, a few of which are: -

- Participated in the **India Pharma Convention** held at **DIPSAR, 12th Feb'2012**.
- Attended the 60th **Indian Pharmaceutical Congress** held in NEW DELHI
- Attended seminar held in AIIMS (new horizon in basic and clinical Research) on **18th April 2012**)
- Attended Seminar held in **Jamia Hamdard (science building) on 16th Jan 2013**.
- Attended seminar on **DRUG PATENT held in MSIP on 16th Feb 2013**.
- Attended seminar **North Zone conference (15-16 Feb-2014) organized by GLA University, Mathura with the collaboration of the Indian Pharmacological Society**.
- Attended seminar held in **R.V. Northland, on Novel & Emerging Approaches in Pharmaceutical Sciences & Research ON 31st May 2014**.
- Attended international Seminar **INDIA INTERNATIONAL SCIENCE FESTIVAL, 4-8th December 2015, IIT Delhi**
- Attended international Seminar **INDIA INTERNATIONAL SCIENCE FESTIVAL, 7-11 December 2016, CSIR-NPL Delhi**
- **2ND One Day National Symposium On NEW HORIZONS IN DRUG DISCOVERY & DEVELOPMENT-2 held in Jamia Hamdard on 16 NOVEMBER 2015**
- Participated in the **AIIMS-DBT Brain storming symposium on the challenge in Tuberculosis Diagnosis and management held at AIIMS, on 24th March 2015**.
- Participated in the **AICTE Sponsored National Seminar on New Horizons in Drug Discovery and Development held in Jamia Hamdard on 17h-18th September 2011**
- Participated in the **two Day Workshop On RECENT ADVANCEMENTS IN MOLECULAR MODELLING AND DRUG DESIGN held in Jamia Hamdard on November 21-22, 2015**
- Participated in the **national seminar on g ICH Q10 guidelines held in Jamia Hamdard on 18th March 2016**.
- **One-day seminar-cum-workshop on Antimicrobial Resistance (AMR-2022)**
- **Participated in the National Symposium on trend and Innovation on pharmaceuticals on 13-15 march 2023**

- Participated in the National online workshop on pharmacovigilance on 20-21 Sept. 2021.
- Participated in the one-day seminar cum workshop on Antimicrobial resistance on 8th Aug 2022.
- Participated in the National online workshop on pharmacovigilance on 20-21 Sept. 2021.

ACHIEVEMENTS:

- ❖ Qualified **GPAT/GATE-2011** conducted by M.S University, Baroda.
- ❖ **Best Poster award** for Schrödinger software in a two-day workshop held on 21-22 November 2015.
- ❖ Organising **Rx-Fest 2012** (Jamia Hamdard)
- ❖ Organise national seminar held in RV. Northland **2014**
- ❖ Chief volunteer of **IPC** held at DIPSAR, 12th Feb'2012
- ❖ Chief volunteer of **WE ACE** in **2012 & 2013** (held in India habitat centre)
- ❖ Life member of IPGA
- ❖ Organise international Conference held in JAMIA HAMDARD, in **2017**.
- ❖ Organise international Conference held in JAMIA HAMDARD, in **2020**.
- ❖ Worked as an **observer** in AKTU, university exam in March **2022** held at Ramesh College (093).
- ❖ Organise a national workshop on CADD held in RV Northland in **2022**.
- ❖ Organise a national workshop on Animal handling held in RV Northland in **2023**.

PERSONAL DETAILS

Date of Birth	-	25 th FEB, 1988.
Sex	-	Male
Marital Status	-	Married
Nationality	-	Indian
Father name	-	Late Abdus Salam
Languages Known	-	English, Urdu, Hindi

INTEREST & HOBBIES

- Reading books, writing research Helping poor people as much as possible, Surfing Pharma sites etc.

DECLARATION

I do hereby declare that all the information given above is true to the best of my knowledge and belief.

Date:

Place: New Delhi

Dr. MD AZHAR IQBAL