

CURRICULUM VITAE

HADIYA HUSAIN

DS Kothari Post Doctoral Fellow 2021

CSIR Research Associate 2020

MANF-SRF, CSIR-JRF, UGC-NET(Env.Sc.), GATE qualified, M.Sc (Gold medalist)

Ph.D. Zoology (Genetics)- Awarded on 12/10/2019

Aligarh Muslim University, Aligarh

Topic: "A Study on the proteomic adjustments in hepatic fibrosis model supplemented with Pomegranate extract."

Supervisor: Dr. Riaz Ahmad

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Passport number: M7963785 (Valid till 2025)

CAREER OBJECTIVE

To further my professional career and leverage my skills, experience and knowledge through continuous efforts and performance regularity.

ACADEMIC CREDENTIALS

S. No	Name of Examination	Institute	Name of University /Board	Year of passing	Percentage	Remarks
1.	M.Sc. (Zoology)	DDU Gorakhpur University, Gorakhpur	DDUGU	2014	77.25%	Gold medalist (5 Gold medals)
2.	B.Sc.	M.G.P.G. College	DDUGU	2012	72.72%	I st Division I st Position in College
3.	SSSC Part II	Aligarh Muslim University, Aligarh	AMU	2009	75.7%	I st Division Honors
4.	HSC	St. Mary's Convent Carmel Girls Inter College, Gorakhpur	U.P.	2006	78%	I st Division Honors I st Position in school

EXAMS CLEARED AT NATIONAL LEVEL

- Qualified UGC NET in “Environmental Sciences” in December 2013
- Awarded Maulana Azad National fellowship to pursue Ph.D. degree
- Qualified CSIR NET LIFE SCIENCES in December 2015 with All India Rank 56
- Qualified GATE LIFE SCIENCES in 2016 with All India Rank 614
- Qualified CSIR NET LIFE SCIENCES in June 2016 with All India Rank 69
- Qualified CSIR NET LIFE SCIENCES in December 2016 with All India Rank 71
- Qualified CSIR JRF LIFE SCIENCES in June 2017 with All India Rank 74

WORKSHOPS AND CONFERENCES ATTENDED

- Science Communication Workshop organized by the Wellcome Trust/DBT India Alliance held on 13 April, **2015** at Aligarh Muslim University, Aligarh.
- National conference on “Our Environment: Explore, care and share” organized by Govt. P.G. College, Rampur; held on 25-26 Feb, **2016**.
- International conference on Emerging Trends in Biomedical Sciences organized by the Department of Biochemistry, Faculty of Life Sciences, Aligarh Muslim University, Aligarh during March 6-8, **2016**.
- Awareness workshop on Optical Microscopes held on 9th March, 2016 in the Department of Geology, Aligarh Muslim University, Aligarh
- UGC-SAP Sponsored National Seminar on Recent Advances in Environmental Toxicology, February 13-14, **2017** held at Department of Biosciences, Jamia Millia Islamia, New Delhi-25.
- UGC-SAP (DRS-I) Sponsored National Seminar On Biotechnology in Health Care: Challenges and Opportunities, March 18th& 19th, 2017 organized by Department of Biotechnology, Faculty of Science, Jamia Hamdard, Hamdard Nagar, New Delhi-110062.
- National Symposium on Animal experimentation in Biomedical Research organized by National JALMA Institute for Leprosy (ICMR institute, Agra); 10-11 Nov, 2017
- Annual BSBE Winter Workshop Model systems in Developmental Biology and Disease Research, December 15th -16th , 2017 held at Biological Sciences & Bioengineering, Indian Institute of Technology, Kanpur
- Annual BSBE Winter Meeting on Computational Biology in Disease Mechanisms, December 7-9, 2018, held at Biological Sciences & Bioengineering, Indian Institute of Technology (IIT), Kanpur
- DST-PURSE funded National Conference on Trends in Biochemical and Biomedical Sciences organized by Department of Biochemistry, Aligarh Muslim University, Aligarh; March 2-3, 2019.
- International Conference on Advances in Zoological Research & Workshop on Real time-PCR organized by Department of Zoology, Aligarh Muslim University, Aligarh; March 9-10, 2019.
- 2nd International RMBPD Colloquium on “Deciphering Bioregulatory Mechanism in Health and Disease using Omics approach” Department of Zoology, Delhi University, Feb 24-25, 2022.

- National Seminar cum workshop on “Computational Biology: An integrated Approach for Advance Research” at the Institute for Development of Advanced Computing, ONGC center of advance studies, Lucknow University, March 21-22, 2022.

PUBLICATIONS

- [1] **Hadiya Husain** and Dr. Riaz Ahmad*(2015). Biomedical implants and tissues: Status and prospects (p.157-171)*Advanced Functional Materials: Properties and Applications, Vol. I*Dr. Inamuddin and Dr. Amir-Al-Ahmed. Trans Tech Publications, Switzerland. (Book chapter)
- [2] Uzma Latief¹, **Hadiya Husain**¹, Devoshree Mukherjee, Riaz Ahmad*, Hepatoprotective efficacy of gallic acid during Nitrosodiethylamine-induced liver inflammation in Wistar rats, *The Journal of Basic & Applied Zoology*, Volume 76, August 2016, Pages 31-41, ISSN 2090-9896, <http://dx.doi.org/10.1016/j.jobaz.2016.07.002>.
- [3] **Husain, H.**, Ahmad, R., Khan, A. and Asiri, A.M., 2018. Proteomic-genomic adjustments and their confluence for elucidation of pathways and networks during liver fibrosis. *International journal of biological macromolecules*.
Impact factor:8.025
- [4] **Husain, H.**, Latief, U. and Ahmad, R., 2018. Pomegranate action in curbing the incidence of liver injury triggered by Diethylnitrosamine by declining oxidative stress via Nrf2 and NFκB regulation. *Scientific reports*, 8(1), p.8606.
Impact factor:4.99
- [5] Latief, U., **Husain, H.** and Ahmad, R., 2018. β-Carotene supplementation ameliorates experimental liver fibrogenesis via restoring antioxidant status and hepatic stellate cells activity. *Journal of Functional Foods*, 49, pp.168-180.
Impact factor:5.22
- [6] **Husain, H.** and Ahmad, R*., 2019. Pathogenesis, molecular mechanisms of progression and therapeutic targets of liver fibrosis: An update. *Clinical Biochemistry and Drug Development. From fundamentals to output*.Shashank Kumar. Apple academic press CRC Press Taylor and Francis group. (Book chapter)
- [7] Waseem, M., **Husain, H.**, Ahmad, I., 2019. Role of micro RNA in Prostate Cancer Therapy. *Clinical Biochemistry and Drug Development. From fundamentals to output*.Shashank Kumar. Apple academic press CRC Press Taylor and Francis group. (Book chapter)
- [8] Sharma, A., Singh, A., **Husain, H.**, Kumar, S., 2019. Potential use of cell cultures. *Clinical Biochemistry and Drug Development. From fundamentals to output*.Shashank Kumar. Apple academic press CRC Press Taylor and Francis group. (Book chapter)
- [9] **Hadiya Husain**¹, Mohammad Waseem² Riaz Ahmad*. 2021. Proteomic and molecular evidences of Il1r12, Ric8a, Krt18 and Hsp90b1 modulation during experimental hepatic fibrosis and pomegranate supplementation. *International journal of biological macromolecules*.
Impact factor:8.025
- [10] Afia Usman, **Hadiya Husain**, Shoeb Ikhlas, Masood Ahmad*. Toxicity assessment of Bisphenol-F in mouse tissues based on its effect on the antioxidant defense system. *Communicated*
- [11] Ikhlas, Shoeb; **Husain, Hadiya**; Ahmad, Masood*. Reproductive, acute and sub-acute toxicity of bisphenol-B in adolescent male mice. *Communicated*.

- [12] Kumar, A., Kushwaha, P.P., Varddhan, S., Waseem, M., **Husain, H.**, Singh, A.K. and Kumar, S. Fats and Oils as Sources of Bioactive Molecules. In *Functional Foods and Nutraceuticals* (pp. 99-108). Chukwuebuka Egbuna Genevieve Dable-TupasSpringer, Cham.
- [13] **Husain, H.**, Ahmad, R. and Waseem, M., 2021. Adipose Tissue Produced Estrogen as Risk Factors for Cancers. In *Obesity and Cancer* (pp. 13-24). Springer, Singapore.
- [14] Waseem, M., **Husain, H.** and Ahmad, I., Role of Gene Polymorphism in Obesity and Cancer. *Obesity and Cancer*, p.129.
- [15] **Husain, H.** and Ahmad, R., Role of Zinc in Liver Pathology. *Microbial Biofertilizers and Micronutrient*, p.101. 2022
- [16] **Husain, H.** and Ahmad, R. Proteolytic sensitivity, *in vitro* glycation efficiency of diabetic and non-diabetic human serum albumin. *Avicenna Journal of Medical Biochemistry*. 10(1), 2022.
- [17] **Husain, H.** and Ahmad, R. Pomegranate juice recuperate N'-Nitrosodiethylamine-induced kidney injury: Evidence from biochemical and histological approaches. *Communicated*

AWARDS AND ACHIEVEMENTS

- **First Prize in the Poster presentation** in National Seminar cum workshop on “Computational Biology: An integrated Approach for Advance Research” at the institute for Development of Advance Computing, ONGC Center of Advance Studies, **Lucknow University, March 21-22, 2022.**
- Best poster presentation(Second prize) in **National Symposium on Animal experimentation in Biomedical Research** organized by National JALMA Institute for Leprosy (**ICMR institute, Agra**); 10-11 Nov, 2017
- **Third prize-Presented a poster entitled: “Rectification of liver fibrosis by Punica granatum extract in Diethylnitrosamine induced fibrotic model via declining alpha SMA and COX-2 expression”** and **won third prize** among the five prizes in the Poster competition consisting of a memento, certificate and a cash prize of Rs600/in the **UGC-SAP (DRS-I) Sponsored National Seminar On Biotechnology in Health Care: Challenges and Opportunities, March 18th & 19th, 2017** organized by **Department of Biotechnology, Faculty of Science, Jamia Hamdard, Hamdard Nagar, New Delhi-110062.**
- **Second prize in POSTER presentation in INTERNATIONAL CONFERENCE held at the Department of Biochemistry, Aligarh Muslim University on Emerging Trends in Biomedical Sciences, dated March 6-8, 2016.**
- **Young scientist award First prize in Oral presentation in National conference on “Our Environment: Explore, care and share”** organized by Govt. P.G. College, Rampur; held on 25-26 Feb, 2016.
- **5 Gold Medals in M.Sc. in Zoology 2014.**
- Shivanand Memorial Merit Scholarship for M.Sc. on basis of highest marks in B.Sc.
- Award in Dr.Amod Kumar Singh Memorial Seminar Competition in 2012 in Dept. of Zoology,DDUGU, Gorakhpur
- Certificates for anchoring in Aligarh Muslim University, Aligarh
- Prizes in debate & extempore competition in Aligarh Muslim University, Aligarh

- Ist prize in Mandal level Science Exhibition in 2005 in class X
- Ist prize in District level Science Exhibition in 2005 in class X
- First prize in District level Painting competition on “ Noise pollution and public health” in 2004 in class IX
- First prize in Painting competition on “Water pollution” held by Rajkiye Budh Sangrahalaya,Gorakhpur in 2003 in class VIII
- First prize in District level Poster competition on “Air pollution” in 2003 in class VII
- Second prize in Mandal level speech competition sponsored by U.P. Pollution control board in 2001 in class VI
- Second prize in District level speech competition sponsored by Uttar Pradesh Pollution control board in 2001 in class VI
- Certificate of Merit in Millennium competitions-2000 by the Diocese of Gorakhpur held at Little Flower School,Gorakhpur in class V
- Winner of Smt.Surat Devi Memorial Trophy in 2000 in class V and titled as the “BEST GIRL OF THE YEAR 2000-01 OF CARMEL”
- Various prizes & awards from class I till class X indebate, story writing, drawing & painting, elocution competitions at school level, district level & regional level. Also participated in state level speech competition.

RESEARCH EXPERIENCE

Duration	Institute	Nature of the Work
Jan, 2015-Aug, 2017	Aligarh Muslim University, Aligarh	Research (Junior Research Fellow)
Sept, 2017-Oct, 2019	Aligarh Muslim University, Aligarh	Research (Senior Research Fellow)
Apr, 2021-Dec, 2021	Aligarh Muslim University, Aligarh	Research (Principal Investigator, CSIR Research Associate)
Dec, 2021-June, 2022	University of Lucknow, Lucknow	Research (Principal Investigator, Dr. D.S. Kothari Post-Doctoral Fellow , funded by UGC)
June, 2022- continued	University of Lucknow, Lucknow	Assistant Professor Teaching (UG & PG) and Research

AUTHORITATIVE POSITIONS HELD

- Class representative of M.Sc DDU Gorakhpur University
- Class representative of B.Sc M.G.P.G. College
- Prefect of the class from class VI to class X
- School Pupil Leader (S.P.L.) of the whole school in St.Mary's Convent Carmel School in class V

HOBBIES & EXTRACURRICULAR ACTIVITIES

Reading Classic novels & books, painting, debate, speech, anchoring & poetry

PERSONAL DETAILS

- **Father's name** Ashraf Husain
- **Mother's name** Nazma Khatoon
- **Date of Birth** 27-12-1990
- **Language** English, Urdu & Hindi
- **Permanent address** Opp. Old Laldiggi Power station Basantpur,
Gorakhpur, 273005

DECLARATION

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

HADIYA HUSAIN