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**DR. IFTEKHAR HASSAN**

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**OBJECTIVE**

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I am an Associate Professor in the Department of Zoology, College of Science, King Saud University, Riyadh. As a scientist, I want to contribute my knowledge in cancer, clinical toxicology, metabolic disorders, and immunology to improve society. I believe in upskilling with latest technologies and discoveries. Besides, I am enthusiastic about sharing my knowledge and experience with the new generation, preparing them to face upcoming challenges in Biological Sciences. Moreover, I shall try my best to contribute with my knowledge, skills, and experience to enhance the reputation and growth of my institute in every possible manner.

**Citations by google scholar**

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<u>Citations</u>	2486	1895
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**PROFILE**

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- I have been taking **lab classes for graduation (bachelor) and postgraduate (Master) students** for the last three years for physiology and endocrinology courses in zoology (**ZOO-332, ZOO-432, ZOO-435, ZOO-531, ZOO-534, ZOO-630**)
- **Principal investigator** of one project (MS 36-67) and **co-investigator** (AT 35-19) in another project (both funded by King Abdulaziz City for Science and Technology, Riyadh, Saudi Arabia)
- **Co-investigator** in two Deanship of Scientific research (DSR) teams (RG-1436-004 and RG-1440-059) beside a research support group (RSP-2020/225) at King Saud University, Riyadh.
- **Doctoral experience** in ameliorating cisplatin-induced toxicities by riboflavin in vivo within a collaborative laboratory environment covering research areas including oncology, stress biology, photobiology, clinical investigation and histopathology.

- Publication record includes over **50 research papers and 7 review articles** in the high impact factor *ISI-indexed* journals of International repute, besides **4 book chapters**.

#### ACADEMIC QUALIFICATIONS

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- 2021-continuing     **Associate Professor** and post-doc researcher in the Department of Zoology, King Saud University, Riyadh, Saudi Arabia
- 2013-2021            **Assistant Professor** and post-doc researcher in the Department of Zoology, King Saud University, Riyadh, Saudi Arabia.
- 2007-2012            **Ph.D.** (Biochemistry) awarded  
Thesis title: '*In vivo* studies on riboflavin-cisplatin interactions'  
Advisor: Prof. Imrana Naseem *from* Aligarh Muslim University, Aligarh (India)
- 2005-2007            **Mater of Science** (Specialization in **Biochemistry**) *with* 71%  
Dissertation Title: "Effect of photoilluminated riboflavin onto cisplatin induced oxidative stress *in vivo*."  
Advisor: Prof. Imrana Naseem *from* Aligarh Muslim University, Aligarh (India)
- 2002-2005            **Bachelor in Science** (Honor) in Biochemistry *with* 70.6%  
*from* Aligarh Muslim University, Aligarh (India)
- 1999-2001            **Intermediate in Science** (Physics, Chemistry and Biology stream) *with* 87.5%  
*from* Ram Mohun Roy Seminary +2, Patna (Bihar Intermediate Education Council, Bihar, India)
- 1999                    **Matriculation** *with* 73.2%  
*from* National High School, Kishanganj (Bihar School Examination Board, Patna, Bihar, India)

#### PROFESSIONAL QUALIFICATIONS

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- **UGC-BSR Scholarship** (April, 2010-March, 2012) for being among top 5 research students in the department from the University Grants Commission, India.
  - **UGC Non-NET fellowship** (November, 2007-March, 2010) from the University Grants Commission, India.
  - Qualified **National level graduate aptitude test in Engineering (GATE)** in 2007 with 86.68 percentile conducted by Internationally Renowned Indian Institute of Technology (IIT), Government of India.
  - Qualified written test (2005) of **National Center for Biological Sciences, Bengaluru, India.**
  - **Student's scholarship** (2003, 2004), Aligarh Muslim University, Aligarh, India.
  - **Bharat Seva Trust Scholarship** (2002), Government of U.P., India.
  - **Numerous district and state level awards** during Intermediate and matriculation
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## TEACHING EXPERIENCE

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- Working as an **Associate Professor, teaching graduate and post graduate students** of life science and allied sciences (**for lab courses: ZOO-332, ZOO-432, Zoo-435, ZOO-531, ZOO-534, ZOO-630; teaching theory course ZOO-109**) in King Saud University since September, **2013**.
- Working as a co-supervisor to a PhD student (2025- continuing)
- Have been a **teaching assistant and research associate** in Department of Biochemistry, Faculty of Life Sciences, Aligarh Muslim University, Aligarh, U.P., India (**2010-2012**).
- Have taken **theory and practical classes (assigned to Prof. Imrana Naseem)** at graduation and post-graduation level at Department of Biochemistry, Faculty of Life Sciences, Aligarh Muslim University, Aligarh, U.P., India (**2010-2012**).
- Have **trained 4 postgraduate students in their minor research projects** assigned to Prof. Imrana Naseem at Department of Biochemistry, Faculty of Life Sciences, Aligarh Muslim University, Aligarh, U.P., India (**2009-2012**).

## RRESEARCH PUBLICATIONS

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### Research Articles (in *International* peer-reviewed journals)

1. Effect of Naringenin on Potassium Bromate–Induced Hepatotoxicity In Vivo: A Dose-Dependent Study. **Iftekhhar Hassan**, Hossam Ebaid, Badar ul Islam, Jameel Al-Tamimi, Ibrahim M. Alhazza, Altaaf Khan, Ezzat M. Awad. " *Journal of Applied Toxicology* 1–12. 2025. <https://doi.org/10.1002/jat.4856>.
2. Protective effect of Magnesium Against Lead and Cadmium-induced Liver Injury in Swiss albino Rats. **Iftekhhar Hassan**, Zeinab Abdelfteh, Hossam Ebaid, Jameel H Al-Tamimi, Ibrahim M. Alhazza, Altaaf Khan, Ezzat M. Awad. *Journal of King Saud University – Science* 2025 (In production)
3. Investigating the anti-glioblastoma potential of alkaloids from the solanaceae family: A multi-targeted approach using network pharmacology and molecular modeling approaches. Tabrez S\*, Suhail M, Zaidi SK, Shakil S, **Hassan I**. *Journal of Computational Biophysics and Chemistry* 2025 (Accepted).
4. Mangiferin alleviates Quorum sensing regulated biofilm formation and virulence factor production in pathogenic bacteria: in vitro and in silico investigation. Nasser A. Al-Shabib , Fohad Mabood Husain , Naem Mahmood Ashraf, Mohammed Arshad, Javed Masood Khan, Altaf Khan, Mohd Adil, **Iftekhhar Hassan**. *Process Biochemistry* 149 149 (2025), 169-180.

5. The Preventive Effect of Zinc Sulfate against Olanzapine-Induced Testicular Toxicity in Male Rats. Ebaid, H., Bashandy, S.A.E., **Hassan, I.** et al. *Biol Trace Elem Res* (2024).
6. Comparison of the cytotoxic impact of samsom ant venom (*Brachyponera sennaarensis*) administration routes on quantitative histological analysis of thymus. IMA Jameel Al-Tamimi , Hossam Ebaid , **Iftekhar Hassan**. *Journal of King Saud University - Science* 36 (10), 103482; 2024
7. Silver Nanoparticles and L-Cysteine Composite Redresses Carbon Tetrachloride-Induced Hepatotoxicity in Swiss Albino Rats. **Hassan I**, Alhazza IM, Ebaid H, Habila MA, Al-Tamimi J, Rady A, Awad EM, Hasan Z. *Cell Biochem Funct.* 2024 Dec;42(8):e70012.
8. Macrophage plasticity enhanced by camel milk peptide attributes in wound healing in diabetic rats. Jameel AlTamimi , IbrahimAlhazza , Hossam Ebaid , **Iftekhar Hassan** , Sufia Husain , Saleh Alwase 1 , Ashraf Mashal. *Journal of King Saud University - Science* 36(3) 2024, 103088
9. Effect of a combination of citric acid and selenium nanoparticles on male rats nephrotoxicity caused by carbon tetrachloride. Jameel Al-Tamimi Hossam Ebaid, **Iftekhar Hassan**, Mohamed Habila, Nawal M. Al Malahi, Ibrahim M. Alhazza. *Indian Journal of Animal Research* 58(3): 470-477; 2023.
10. *In vitro* inhibition of biofilm and virulence factor production in azole-resistant strains of *Candida albicans* isolated from diabetic foot by *Artemisia vulgaris* stabilized tin (IV) oxide nanoparticles. Zubair M, Husain FM, Al-Amri M, Hasan I, **Hassan I**, Albalawi T, Fatima F, et al. *Front Cell Infect Microbiol.* 2024; 13: 1322778.
11. Perinatal supplementation with selenium nanoparticles modified with ascorbic acid improves hepatotoxicity in rat gestational diabetes" Rady, Ahmed M., Ebaid, Hossam, Habila, Mohamed, **Hassan, Iftekhar**, Al-Tamimi, Jameel, Alhazza, Ibrahim M., Moshab, Mohamed S. and ALOthman, Zeid A. *Open Chemistry*, 21(1); 2023, 20230152.
12. Comparative efficacy of ternary Cu (II) complex and Zn (II)- complex in amelioration of carbon tetrachloride-induced hepatotoxicity in vivo. **Iftekhar Hassan**, Hossam Ebaid , Ibrahim M. Alhazza , and Jameel Al-Tamimi. *Journal of King Saud University – Science* 35 (1), 102420; 2023.
13. Silver Nanoparticles Decorated with Curcumin Enhance the Efficacy of Metformin in Diabetic Rats via Suppression of Hepatotoxicity. **Hassan I**, Al-Tamimi J, Ebaid H, Habila MA, Alhazza IM, Rady AM. *Toxics.* 2023; 11(10):867.
14. Protective Effect of Daidzein against Diethylnitrosamine/Carbon Tetrachloride-Induced Hepatocellular Carcinoma in Male Rats. Bashandy SAE, Ebaid H, Al-Tamimi J, **Hassan I**, Omara EA, Elbaset MA, Alhazza IM, Siddique JA. *Biology.* 2023; 12(9):1184
15. Zinc Oxide Nanoparticles Blunt Potassium-Bromate-Induced Renal Toxicity by Reinforcing the Redox System. Alhazza IM, **Hassan I**, Ebaid H, Al-Tamimi J, Hasan Z. *Molecules.* 2023; 28(13):5084.

16. Disulfiram Enhances the Antineoplastic Activity and Sensitivity of Murine Hepatocellular Carcinoma to 5-FU via Redox Management. **Hassan I**, Ebaid H, Alhazza IM, Al-Tamimi J, Rady AM. *Pharmaceuticals*. 2023; 16(2):169.
17. Protective effect of gallic acid against thioacetamide-induced metabolic dysfunction of lipids in hepatic and renal toxicity. Hossam Ebaid, Samir A.E. Bashandy, Fatma A. Morsy, Jameel Al-Tamimi, **Iftekhar Hassan**, Ibrahim M. Alhazza . *Journal of King Saud University - Science*. 35 (3); 102531;2023
18. Anticancer potential of gold nanoparticles (AuNPs) using a battery of *in vitro* tests. Alafaleq, Nouf Omar, Alomari, Alya, Khan, Mohd Shahnawaz, Shaik, Gouse M., Hussain, Afzal, Ahmed, Faheem, **Hassan, Iftekhar**, M. Alhazza, Ibrahim et al. *Nanotechnology Reviews* 11(1), 2022, 3292-3304.
19. Samsun ant venom protects against carbon tetrachloride–induced acute spleen toxicity in vivo. J Al-Tamimi, H Ebaid, **I Hassan**, IM Alhazza, W Hailan, M Al-Khalifa. *Environmental Science and Pollution Research* 28 (24), 31138-31150; 2022.
20. Supplementation with selenium nanoparticles alleviates diabetic nephropathy during pregnancy in the diabetic female rats. Ibrahim M. Alhazza, Hossam Ebaid, Mohamed S. Omar, **Iftekhar Hassan**, Mohamed A. Habila, Jameel Al-Tamimi, Mohamed Sheikh. *Environmental Science and Pollution Research* 29, 5517–5525; 2022.
21. Bioactive Tryptophan-Based Copper Complex with Auxiliary-Carboline Spectacle Potential on Human Breast Cancer Cells: In Vitro and In Vivo Studies. Walaa Alharbi, **Iftekhar Hassan**, Rais Ahmad Khan, Shazia Parveen , Khadijah H. Alharbi ,Ibtisam I. Bin Sharfan , Ibrahim M. Alhazza , Hossam Ebaid and Ali Alsalmeh. *Molecules* 2021, 26, 1606.
22. Anticancer Potential of Biogenic Silver Nanoparticles: A Mechanistic Study. Mohd Shahnawaz Khan, Alya Alomari , Shams Tabrez, **Iftekhar Hassan**, Rizwan Wahab et al. *Pharmaceutics* 2021, 13, 707.
23. Supplementation with selenium nanoparticles alleviates diabetic nephropathy during pregnancy in the diabetic female rats. Ibrahim M Alhazza, Hossam Ebaid, Mohamed S Omar, **Iftekhar Hassan**, Mohamed A Habila, Jameel Al-Tamimi, Mohamed Sheikh. *Environ Sci Pollut Res* (2021). <https://doi.org/10.1007/s11356-021-15905-z>
24. Coumarin Exhibits Broad-Spectrum Antibiofilm and Antiquorum Sensing Activity against Gram-Negative Bacteria: *In Vitro* and *In Silico* Investigation. Qais FA, Khan MS, Ahmad I, Husain FM, Khan RA, **Hassan I**, Shahzad SA, AlHarbi W. *ACS Omega*. 2021 Jul 15;6(29):18823-18835.
25. Anticancer Potential of Biogenic Silver Nanoparticles: A Mechanistic Study. Khan MS, Alomari A, Tabrez S, **Hassan I**, Wahab R, Bhat SA, Alafaleq NO, Altwaijry N, Shaik GM, Zaidi SK, Nouh W, Alokail MS, Ismael MA. *Pharmaceutics*. 2021; 13(5):707. <https://doi.org/10.3390/pharmaceutics13050707>.

26. Effect of Selenium Nanoparticles on Carbon Tetrachloride-Induced Hepatotoxicity in the Swiss Albino Rats. Hossam Ebaid , Jameel Al-Tamimi , **Iftekhar Hassan** , Mohamed A. Habila , Ahmed M. Rady , Ibrahim M. Alhazza and Ashraf M. Ahmed. *Appl. Sci.* 2021, 11, 3044. <https://doi.org/10.3390/app11073044>.
27. Samsun ant venom protects against carbon tetrachloride-induced acute spleen toxicity in vivo. Al-Tamimi, J., Ebaid, H., **Hassan, I.** *et al. Environ Sci Pollut Res* 28, 31138–31150 (2021).
28. Bioactive Tryptophan-Based Copper Complex with Auxiliary  $\beta$ -Carboline Spectacle Potential on Human Breast Cancer Cells: In Vitro and In Vivo Studies. Alharbi W, **Hassan I**, Khan RA, Parveen S, Alharbi KH, Bin Sharfan II, Alhazza IM, Ebaid H, Alsalmeh A. *Molecules*. 2021; 26(6):1606. <https://doi.org/10.3390/molecules26061606>.
29. Selenium nanoparticles mitigate diabetic nephropathy and pancreatopathy in rat offspring via inhibition of oxidative stress. **Iftekhar Hassan**<sup>a</sup>, Hossam Ebaid<sup>a</sup>, Jameel Al-Tamimi, Mohamed A.Habila<sup>b</sup>, Ibrahim M.Alhazza. *Journal of King Saud University-Science*; 33(1); 2021, 101265.
30. Curcumin-containing Silver Nanoparticles Prevent Carbon Tetrachloride- induced Hepatotoxicity in Mice. Ebaid H, Habila M, **Hassan I**, et al. *Combinatorial Chemistry & High Throughput Screening*. 2021 ;24(10):1609-1617.
31. The Alleviative Effect of Vitamin B2 on Potassium Bromate-Induced Hepatotoxicity in Male Rat. **Iftekhar Hassan**, Hossam Ebaid , Ibrahim M. Alhazza , and Jameel Al-Tamimi. (2020). *BioMed Research International* (Q2). Volume 2020, Article ID 8274261, <https://doi.org/10.1155/2020/8274261>
32. Computational Proteome-Wide Study for the Prediction of Escherichia coli Protein Targeting in Host Cell Organelles and Their Implication in Development of Colon Cancer. Shahanavaj Khan\*, Sabika Zaidi, Abdulaziz Saleh Alouffi, Iftekhar Hassan, Ahmad Imran, Rais Ahmad Khan. *ACS Omega* 2020, 5, 13, 7254–7261
33. Deciphering the interaction of plumbagin with human serum albumin: A combined biophysical and molecular docking study. Faizan Abul Qais , Fohad Mabood Husain, Rais Ahmad Khan , Iqbal Ahmad, Iftekhar Hassan. *Journal of King Saud University – Science* 32 (2020) 2854–2862.
34. Chemopreventive effect of riboflavin on the potassium bromate-induced renal toxicity in vivo. Alhazza IM, **Hassan I**, Ebaid H, Al-Tamimi J, Alwasel SH. *Naunyn Schmiedeberg's Arch Pharmacol*. 2020;10.1007/s00210-020-01938-7. doi:10.1007/s00210-020-01938-7
35. Ebaid, H.A.R., Abdel-Mageed, A., Al-Tamimi, J.H. , **Hassan I** *et al.* Biosurfactant electrospun nanofibers exhibit minimal side effects on the structure and function of the liver tissue in male rat model. *Environ Sci Pollut Res* **27**, 40009–40019 (2020).

36. Deciphering the interaction of plumbagin with human serum albumin: A combined biophysical and molecular docking study. Faizan Abul Qais a , Fohad Mabood Husain b,† , Rais Ahmad Khan, Iqbal Ahmad, **Iftekhar Hassan**. *Journal of King Saud University-Science* 32 (2020).
37. Diabetes-Mediated Toxicity Resulted in the Expression of CD80 and CD86 on Neutrophils after Delayed Wound Healing in Male Rats. Hossam Ebaid, Bahaa Abdel-Salam, **Iftekhar Hassan**, Jameel Al-Tamimi, Alli Metwalli, Ahmed Rady, Ibrahim M. Alhazza, *BioMed Research International*, vol. 2020, Article ID 3592425, 10 pages, 2020. <https://doi.org/10.1155/2020/3592425>
38. Folic acid and melatonin mitigate diabetic nephropathy in rats via inhibition of oxidative stress. Ebaid, H., Bashandy, S.A.E., Abdel-Mageed, A.M., **Hassan, I.** et al. *Nutr Metab (Lond)* 17, 6 (2020). <https://doi.org/10.1186/s12986-019-0419-7>
39. Computational Proteome-Wide Study for the Prediction of Escherichia coli Protein Targeting in Host Cell Organelles and Their Implication in Development of Colon Cancer. Shahanavaj Khan, Sabika Zaidi, Abdulaziz Saleh Alouffi, **Iftekhar Hassan**, Ahmad Imran, and Rais Ahmad Khan. *ACS Omega* 2020 5 (13), 7254-7261. DOI:10.1021/acsomega.9b04042.
40. Green synthesis of silver nanoparticles using Carum copticum: Assessment of its quorum sensing and biofilm inhibitory potential against gram negative bacterial pathogens. Qais FA, Shafiq A, Ahmad I, Husain FM, Khan RA, **Hassan I.** *Microb Pathog.* 2020;144:104172. doi:10.1016/j.micpath.2020.104172
41. Comparative refolding of guanidinium hydrochloride denatured bovine serum albumin assisted by cationic and anionic surfactants via artificial chaperone protocol: Biophysical insight. Author links open overlay panel Mohd Ishtikhar, Zeba Siddiqui, Fohad Mabood Husain, Rais Ahmad Khan. **Iftekhar Hassan**. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* Volume 225, 15 January 2020, 117510.
42. Ameliorative effect of zinc oxide nanoparticles against potassium bromate-mediated toxicity in Swiss albino rats. **Iftekhar Hassan**, FM Husain, RA Khan, H Ebaid, J Al-Tamimi et al. *Environmental Science and Pollution Research*, 26;10: 9966–9980; **2019 (Impact Factor: 2.8; Q2)**
43. Copper Mediates Anti-Inflammatory and Antifibrotic Activity of Gleevec in Hepatocellular Carcinoma-Induced Male Rats. **Iftekhar Hassan**, H Ebaid, IM Alhazza, J Al-Tamimi, S Aman.- *Canadian Journal of Gastroenterology and Hepatology*, Volume 2019, Article ID 9897315, 11 pages, 2019.
44. Thymoquinone ameliorates Pachycondyla sennaarensis venom-induced acute toxic shock in male rats. Alhazza, I.M., Ebaid, H., Abdel-Salam, B., Hassan, I. et al. *BMC Pharmacol Toxicol* 20, 84 (2019).

45. Green synthesis and structural classification of *Acacia nilotica* mediated-silver doped titanium oxide (Ag/TiO<sub>2</sub>) spherical nanoparticles: Assessment of its antimicrobial and anticancer activity. Author links open overlay panel. Tentu Nageswara Rao, Riyazuddin P. Babji Naushad Ahmad, Rais Ahmad Khan, Iftekhar Hassan, Syed Ali Shahzad, Fohad Mabood Husain, *Saudi Journal of Biological Sciences*, 26(7); 2019, 1385-1391.
46. Efficacy of a Methanolic Extract of *Adansonia digitata* Leaf in Alleviating Hyperglycemia, Hyperlipidemia, and Oxidative Stress of Diabetic Rats. Hossam Ebaid, Samir A. E. Bashandy, Ibrahim M. Alhazza, **Iftekhar Hassan**, Jameel Al-Tamimi, *BioMed Research International*, vol. 2019, ArticleID 2835152, 10 pages, 2019.
47. Samsun ant venom modulates the immune response and redox status at the acute toxic dose *in vivo*. Ebaid H, Abdel-Salam B, Alhazza I, **Hassan I** et al. *J Venom Anim Toxins Incl Trop Dis*. 2019;25:e20190020.
48. Biosynthesized Silver Nanoparticle (AgNP) From *Pandanus odorifer* Leaf Extract Exhibits Anti-metastasis and Anti-biofilm Potentials. Hussain A, Alajmi MF, Khan MA, **Hassan I** et al. *Front Microbiol*. 2019; 10:8. Published 2019 Feb 12. doi:10.3389/fmicb.2019.00008
49. Potential effects of the combination of nicotinamide, vitamin B2 and vitamin C on oxidative-mediated hepatotoxicity induced by thioacetamide. Bashandy, S.A.E., Ebaid, H., Abdel mottaleb Moussa, S.A., **Hassan I** et al. *Lipids Health Dis* 17, 29 (2018). <https://doi.org/10.1186/s12944-018-0674-z>
50. Restrained management of copper level enhances the antineoplastic activity of imatinib *in vitro* and *in vivo*. **Iftekhar Hassan**, Azmat Ali Khan, Shazia Aman, Wajhul Qamar, Hossam Ebaid, Jameel Al-Tamimi, Ibrahim M. Alhazza, Ahmed Rady. *Scientific Reports* 8; 1682; **2018 (Impact Factor: 4.6; Q1)**
51. Age Affects the Mitigating Efficacy of Riboflavin Against Cisplatin-Induced Toxicity *In Vivo*. **I Hassan**, I Naseem, S Aman, IM Alhazza. *Nutrition and cancer* 68 (8), 1381-1393; **2016 (Impact factor: 2.44)**
52. Broad-spectrum inhibition of AHL-regulated virulence factors and biofilms by sub-inhibitory concentrations of ceftazidime. FM Husain, I Ahmad, MH Baig, MS Khan, MS Khan, **Iftekhar Hassan** and Nasser Abdulatif Al-Shabib. *RSC Advance*, **2016**; 6: 27952-27962. DOI: 10.1039/C6RA02704K **(Impact factor: 3.81)**
53. Biogenic synthesis of Zinc oxide nanostructures from *Nigella sativa* seed: Prospective role as food packaging material inhibiting broad-spectrum quorum sensing and biofilm. Nasser A. Al-Shabib, Fohad Mabood Husain, Faheem Ahmed, Rais Ahmad Khan, Iqbal Ahmad, Edreese Alsharaeh, Mohd Shahnawaz Khan, Afzal Hussain, Md Tabish Rehman, Mohammad

- Yusuf, **Iftekhhar Hassan**, et al. *Scientific Reports* 6, Article no. 36761; 2016. doi:10.1038/srep36761
54. Wound healing of different molecular weight of hyaluronan; in-vivo study. MMG Fouda, AM Abdel-Mohsen, H Ebaid, I Hassan, J Al-Tamimi, *International journal of biological macromolecules* 89, 582-591; 2016.
55. Targeted nano-delivery of novel omega-3 conjugate against hepatocellular carcinoma: Regulating COX-2/bcl-2 expression in an animal model. Azmat Ali Khan, Amer M. Alanazi, Mumtaz Jabeen, **Iftekhhar Hassan**, Mashooq Ahmad Bhat. *Biomedicine & Pharmacotherapy*. 81; 2016: 394–401.
56. Protective effect of riboflavin on cisplatin induced toxicities: A gender-dependent study. I Naseem, **I Hassan\***(Corresponding author), IM Alhazza, S Chibber - *Journal of Trace Elements in Medicine and Biology*, 2015; 29:303-14.
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58. Camel milk peptide improves wound healing in diabetic rats by orchestrating the redox status and immune response. H Ebaid, B Abdel-Salam, **I Hassan**, J Al-Tamimi, M Ali , I Alhazza. *Lipids in Health and Disease*. 2015; 14:132. DOI: 10.1186/s12944-015-0136-9.
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60. Zinc improves the immune function and the proliferation of lymphocytes in Cadmium-treated rats. Hossam Ebaid, Iftekhhar Hassan, Samir Bashandy, Nael Abu Taha, Amer Mahmood, Suliman Alomar, Ibrahim Alhazza, Ashraf Mashaly, Ahmed Rady. *Centr Eur J Immunol* 2014; 39 (4): 441-448.
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65. Riboflavin ameliorates cisplatin induced toxicities under photoillumination. **Iftekhar Hassan**, Sandesh Chibber, Aijaz A Khan, Imrana Naseem. *Plos One* 7(5):(2012) e36273. [doi:10.1371/journal.pone.0036273]. (**Impact Factor: 3.2; Citations: 23**)
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71. Light-mediated interaction of methotrexate with transition metal Cu (II). Sandesh Chibber, **Iftekhar Hassan**, Mohd Farhan, Imrana Naseem. *Medicinal Chemistry Research* 21 (2012) 2379-2387. (**Impact Factor: 1.4; Citations: 6**)
72. Light mediated Interaction of Methotrexate with Riboflavin: A spectroscopic study. Sandesh Chibber, **Iftekhar Hassan**, Imrana Naseem. (Under communication)

**Review Articles** (in *International* peer-reviewed journals)

1. Galectins-a potential target for cardiovascular therapy. GM Ashraf, A Perveen, SK Zaidi, A Ahmad, S Shakil, CK Firoz, NR Jabir, I Hassan, TA Khan, NS Yarla, S Tabrez. *Current Vascular Pharmacology* 15(4):296-312: **2017**

2. Recent updates on the dynamic association between oxidative stress and neurodegenerative disorders. A. Khan, Taqi; **Hassan, Iftekhar**; Ahmad, Ausaf; Perveen, Asma; Aman, Shazia; Quddusi, Saima; M. Alhazza, Ibrahim; M. Ashraf, Ghulam; Aliev, Gjumrakch. *CNS & Neurological Disorders - Drug Targets (Formerly Current Drug Targets - CNS & Neurological Disorders)* **2016**; 15(3): 310-320 (**Impact factor: 3.1**)
3. An Overview on Global Trends in Nanotechnological Approaches for Alzheimer Therapy. Shams Tabrez, Nasimudeen R Jabir, C.K. Firoz, Saheem Ahmad, **Iftekhar Hassan**, Athanasios Alexiou, Mohammad Amjad Kamal. *Current Drug Metabolism*. **2015**; 16,719-727 (**Impact factor: 3.5; Citations: 2**)
4. Certain Phase I and II Enzymes as Toxicity Biomarker: An Overview. **Iftekhar Hassan**, Nasimudeen R. Jabir, Saheem Ahmad, Aaliya Shah, Shams Tabrez. *Water, Air, & Soil Pollution* **2015**; 226:153. (**Impact factor: 1.55**)
5. Protein misfolding and aggregation in Alzheimer's disease and type 2 diabetes mellitus. Ashraf GM, Greig NH, Khan TA, **Hassan I**, Tabrez S, Shakil S, Sheikh IA, Zaidi SK, Akram M, Jabir N.R., Firoz C.K., Naeem A, Alhazza IM, Damanhour GA, Kamal MA. *CNS Neurol Disord Drug Targets*. **2014**;13(7):1280-93. (**Impact factor: 3.1; Citations: 12**)
6. Novel aspect of chemophototherapy in treatment of cancer. Sandesh Chibber, **Iftekhar Hassan**, Imrana Naseem. *Tumour Biology* 33 (2012) 701-706. (**Impact Factor: 3.2; Citations: 9**)
7. Vitamin B2: a promising adjuvant in cisplatin based chemoradiotherapy by cellular redox management. **Iftekhar Hassan**, Sandesh Chibber, Imrana Naseem. *Food and Chemical Toxicology* 59 (2013)715-723. (**Impact Factor: 2.8; Citations: 10**)

## BOOK CHAPTERS

1. Husain F.M. ;Hassan I et al. (2021) MRSA, EBSL, and Biofilm Formation in Diabetic Foot Ulcer Infections. In: Zubair M., Ahmad J., Malik A., Talluri M.R. (eds) *Diabetic Foot Ulcer*. Springer, Singapore. [https://doi.org/10.1007/978-981-15-7639-3\\_9](https://doi.org/10.1007/978-981-15-7639-3_9)
2. Husain F.M.; Hassan I, et al. (2020) Probiotic Bacteria Used in Food: A Novel Class of Antibiofilm Agent. In: Ahmad S., Al-Shabib N. (eds) *Functional Food Products and Sustainable Health*. Springer, Singapore. [https://doi.org/10.1007/978-981-15-4716-4\\_3](https://doi.org/10.1007/978-981-15-4716-4_3)
3. Lipid Nanosystems: Targeted nano-delivery of therapeutic agents in treatment of cancer. Azmat Ali Khan, Mumtaz Jabeen, Iftekhar Hassan, Mohammad Furquan, Amer M. Alanazi (Springer ) (In press)
4. Aliev G, Horecky J, Vancova O, Ashraf GM, **Hassan I**, Bragin V, Shevtsova E, Klochkov SG, Kosenko EZ et al. The three vessel occlusion as a model of vascular dementia: oxidative stress and

mitochondrial failure as an indicator of brain hypoperfusion. In: Laher, Ismail (Ed.) Systems Biology of Free Radicals and Antioxidants, pp. 2023-2032, Springer Berlin Heidelberg (2014)

5. **Hassan I** and Naseem I. Natural photosensitizer with established anticancer drugs: A novel photodynamic strategy to improve anticancer chemoradiotherapy. (In preparation)

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## **OTHER CURRICULAR ACTIVITIES**

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### **Oral Presentations**

- ‘Emerging trends in Biological Sciences: Special Emphasis on Neurosciences’ (September 24-25<sup>th</sup>, 2012) at Interdisciplinary Brain Research Center, Faculty of Medicine, Aligarh Muslim University, Aligarh, India-202002.
- NANO-2 (March 10-12<sup>th</sup>, 2012), Department of Applied Physics, Z. H. College of Engineering, Aligarh Muslim University, India.
- MAASCON-1, First Annual National Symposium of the Muslim Association for the Advancement of Science (MAAS), Frontiers in Life sciences: Basic and Applied under abstract no. 83 (23-24<sup>th</sup> October, 2010), Department of Zoology, Aligarh Muslim University, India.

### **Workshops attended**

- National workshop on ‘Scientific/ Research paper writing’ (April 5-7<sup>th</sup>, 2013) organized by The National Academy of Sciences, India at Mohanlal Sukhadia University, Udaipur, India.
- *International workshop* ‘Liver Fluke: an RNAi workshop’ (February 11-12<sup>th</sup>, 2013) combined organized by Queen University of Belfast (U.K.) and Aligarh Muslim University, India.
- ‘Interaction Programme on Research Methodology in Biological Sciences’ (December 14<sup>th</sup> to 6<sup>th</sup> of January, 2011) organized by UGC Academic Staff College, Aligarh Muslim University, India.
- ‘Environsense’ (10<sup>th</sup> October, 2010) organized by Z.H. College of Engineering and Technology, Aligarh Muslim University, India.
- ‘Recent Advances in Biochemistry’ (February 8<sup>th</sup> to 9<sup>th</sup>, 2010) organized by UGC -Academic Staff College, Aligarh Muslim University, India.
- Comet Assay training (October 26 -30<sup>th</sup>, 2010) at Indian Institute for Toxicological Research (IITR), Lucknow, India.

### **Poster Presentations**

- Attended “International Conference on recent advances in chemical sciences” organized by Department of Chemistry, Faculty of Sciences, Aligarh Muslim University, Aligarh 202002, U. P., India (March 29-30, 2016).
- 3rd Annual Meeting of Indian Academy of Biomedical Sciences & Symposium on ‘Modern Trends in Human Diseases’ organised by Department of Biochemistry, Faculty of Medicine, J. N. Medical College, Aligarh Muslim University, Aligarh 202002, U. P., India (December 14-15, 2013).
- 2<sup>nd</sup> prize for poster presentation in ‘Emerging trends in Biological Sciences: Special Emphasis on Neurosciences’ at Interdisciplinary Brain Research Center, Faculty of Medicine, Aligarh Muslim University, Aligarh, India-202002 (*September 24-25<sup>th</sup>, 2012*).
- 10<sup>th</sup> Annual Research Festival ‘Biospark-2012’ organized by School of Life Sciences, Jawaharlal Nehru University, New Delhi, India (*March 14-15<sup>th</sup>, 2012*).
- National Symposium on ‘Current Trends in Biochemical, Biomedical and Environmental Sciences’ under the auspices of UGC-DRS II Programme organized by Department of Biochemistry, Life Sciences, Aligarh Muslim University, Aligarh, U.P., India (*February 22<sup>nd</sup>, 2011*).
- National Symposium on ‘Recent Trends in Enzyme Technology, Toxicology and Bioinformatics’ under the auspices of UGC-DRS II Programme organized by Department of Biochemistry, Life Sciences, Aligarh Muslim University, Aligarh, U.P., India (*March 3<sup>rd</sup>, 2010*).
- *International SFRR Satellite Symposium* ‘Free Radicals in Health and Disease’ under the auspices of SFRR and UGC-DRS II Programme under poster no. 38 organized by Department of Biochemistry, Life Sciences, Aligarh Muslim University, Aligarh, U.P., India, (*March 17-18<sup>th</sup>, 2009*).
- ‘Advances in Clinical Biochemistry-Biomarkers, Molecular Diagnosis and Quality Assurances & 1<sup>st</sup> U.P. Chapter of Association of Clinical Biochemists of India (UPACBICON 2008)’ organized by Department of Biochemistry, JNMCH, Aligarh Muslim University, Aligarh, U.P, India (*November 15-16<sup>th</sup>, 2008*).
- National Symposium on ‘Recent Advances in Biochemistry and Allied Sciences’ under the auspices of UGC-DRS-II Programme organized by Department of Biochemistry, Life Sciences, Aligarh Muslim University, Aligarh, U.P., India (*March 25<sup>th</sup>, 2008*).
- ‘*International Symposium on the Preventive and Mechanistic Mutagenesis & XXXIII EMSI Annual Meeting*’ under *Abstract No. P-44* organized by Department of Agricultural Microbiology, Aligarh Muslim University, Aligarh, U.P, India, (*January 1-3<sup>rd</sup>, 2008*).

#### **PERSONAL INFORMATION**

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Name	:	Dr. Iftekhhar Hassan
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Date of birth	:	14 <sup>th</sup> January, 1985
Gender	:	Male
Nationality	:	Indian
Language proficiency:		English, Hindi and Urdu.
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**REFEREES**

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On request.

I, hereby declare that all information furnished above is true to the best of my knowledge.

Dr. Iftekhar Md Hassan