

Research Publications

Year 2022

- Muhammad Shahid, Muhammad Idrees, Afza Rasul, **Iram Amin** and Samia Afzal. Identification of Predictive Factors in Chronic Hepatitis C Patients with Non-Infected Individuals: A Comparative Analysis. *Pakistan Journal of Zoology*, (2022).
- **Amin Iram**, Shazia Rafique, Nadeem Ahmed, Muhammad Shahid, Samia Afzal, Tahir Rehman Samiullah, Mohsin Ahmed Khan, and Muhammad Idrees. "Bacterial Expression and Purification of Antigenic Recombinant Protein Encoded by Hepatitis Delta Virus Antigen of Pakistani Isolate." *Pakistan Journal of Zoology*, (2022).
- Rani Mishal, Muhammad Farooq, Sania Aamir, Iqra Mir, Muhammad Hassan, Bakhtiar Ahmed, Abeera Iftikhar, Syed Rizwan Hussain Shah, Shazia Rafique, Samia Afzal, Muhammad Idrees, **Iram Amin** and Muhammad Shahid. "1. A review on corona virus pandemic: Update on epidemiology, diagnosis, and treatment." *Pure and Applied Biology (PAB)* 11, no. 1 (2022): 146-158.

Year 2021

- Hassan, Muhammad, Ali Hassan, Muhammad Farooq, Samia Afzal, Mohsin Ahmad Khan, **Iram Amin**, Muhammad Shahid, Muhammad Idrees, and Ahmad Ali Shahid. "Dengue Vaccines: Ongoing Challenges and Current Status in the Advancement of Different Candidates." *Critical Reviews™ in Eukaryotic Gene Expression* 31, no. 5 (2021).

Year 2020

- Almas, I., Afzal, S., Imtiaz, H., Shaheen, M.A., Daud, M., Saghir, A., **Amin, I.**, Shahid, M. and Idrees, M., 2020. Drug Resistance in Hepatitis C Virus: Future Prospects and Strategies to Combat It. *Critical Reviews™ in Eukaryotic Gene Expression*, 30(4).
- Shaheen, M., Afzal, S., Khubaib, B., **Amin, I.**, Shahid, M. and Idrees, M., 2020. Association of IL28B polymorphism with clearance of Hepatitis C Virus: A mini review. *Critical Reviews™ in Eukaryotic Gene Expression*, 30(3).
- Ali, S., Afzal, S., Yousaf, M.Z., Shahid, M., **Amin, I.**, Idrees, M. and Aftab, A., 2020. Paradoxical Role of Dengue Virus Envelope Protein Domain III Antibodies in Dengue Virus Infection. *Critical Reviews™ in Eukaryotic Gene Expression*, 30(3).
- Shahid, M., Idrees, M., Butt, A.M., Raza, S.M., **Amin, I.**, Rasul, A. and Afzal, S., 2020. Blood-based gene expression profile of oxidative stress and antioxidant genes for identifying surrogate markers of liver tissue injury in chronic hepatitis C patients. *Archives of Virology*, pp.1-14.

- Hassan, A., Saeed, A., Afzal, S., Shahid, M., **Amin, I.** and Idrees, M., 2020. Applications and hazards associated with carbon nanotubes in biomedical sciences. *Inorganic and Nano-Metal Chemistry*, pp.1-12.
- Zahid, K., Shakoor, S., Sajid, H.A., Afzal, S., Ali, L., **Amin, I.**, Shahid, M. and Idrees, M., 2020. Advancements in developing an effective and preventive dengue vaccine. *Future Virology*, (00).
- Afzal, S., Zahid, S., **Amin, I.**, Shahid, M. and Idrees, M., 2020. Prevalence and Upcoming Threats of Chikungunya Virus in Pakistani Population. *Pakistan Journal of Zoology*, 52(4), pp.1623-1626.
- Sherzada, S., Khan, M.N., Babar, M.E., Idrees, M., Wajid, A., Sharif, M.N., Iqbal, M.S., **Amin, I.** and Shahid, M., 2020. Identification of Three Cyprinidae Family Members through Cytochrome Oxidase I. *Pakistan J. Zool*, 52(1), pp.417-420.

Year 2019

- Shahid, M., Idrees, M., Butt, A.M., Raza, S.M., **Amin, I.**, Rasul, A., Afzal, S., Zahid, S. and Nawaz, R., 2019. Short article: Hepatitis C and G virus coinfection in Punjab, Pakistan: incidence and its correlation analysis with clin
- **Amin, I.**, Younas, S., Afzal, S., Shahid, M. and Idrees, M., 2019. Herpes Simplex Virus Type 1 and Host Antiviral Immune Responses: An Update. *Viral immunology*, 32(10), pp.424-429. *ical data. European journal of gastroenterology & hepatology*, 31(3), pp.389-392.
- **Amin, I.**, Vajeeha, A., Younas, S., Afzal, S., Shahid, M., Nawaz, R., Khan, M.U. and Idrees, M., 2019. HSV-1 Infection: Role of Viral Proteins and Cellular Receptors. *Critical Reviews™ in Eukaryotic Gene Expression*, 29(5).
- Shahid, M., **Amin, I.**, Afzal, S., Fatima, Z. and Idrees, M., 2019. Comparative Analysis of Immunological and Genomic Outcomes of Dengue Virus Outbreak in Pakistan. *Pakistan Journal of Zoology*, 51(5), pp.1971-1974.

Year 2018

- Aftab M, Amin I, Idrees M, Ali A, Rafique S, and Naz S., 2018. Molecular epidemiology of hepatitis delta and hepatitis B viruses circulating in two major provinces (East and North-West) of Pakistan. *Infection, Genetics and Evolution*. 64, (65-69)

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- Almas, I., Afzal, S., Idrees, M., Ashraf, M.U., **Amin, I.**, Shahid, M., Zahid, K. and Zahid, S., 2017. Role of circulatory microRNAs in the pathogenesis of hepatitis C virus. *Virusdisease*, 28(4), pp.360-367.
- Khubaib, B., Idrees, M., Fatima, Z., Akram, M., Afzal, S., **Amin, I.**, Shahid, M. and Wasim, M., 2017. Evaluation of three techniques for detection of IL28B SNP: A prognostic tool for HCV treatment outcome. *Journal of digestive diseases*, 18(7), pp.404-409.
- Shahid, M., **Amin, I.**, Afzal, S., Fatima, Z., Zahid, S., Ashraf, U. and Idrees, M., 2017. Prevalence and molecular detection of dengue virus in 2013 outbreak in KPK and Punjab, Pakistan. *Pakistan Journal of Zoology*, 49(3).
- Nawaz, R., Zahid, S., Idrees, M., Rafique, S., Shahid, M., Ahad, A., **Amin, I.**, Almas, I. and Afzal, S., 2017. HCV-induced regulatory alterations of IL-1 β , IL-6, TNF- α , and IFN- γ operative, leading liver en-route to non-alcoholic steatohepatitis. *Inflammation Research*, 66(6), pp.477-486.

- Manzoor, F., **Amin, I.**, Shahid, M., Afzal, S., Ramzan, H., Samiullah, T.R. and Idrees, M., 2017. *Aedes aegypti* is the Major Vector for Transmission of Dengue Virus in Lahore, Pakistan. *Pakistan Journal of Zoology*, 49(2).
- Javeed, S., Almas, M., Shahid, M., Sumrin, A., Bashir, H., Bilal, M., Saleem, Z., Jahangir, G.Z., Afzal, S., Idrees, M. and **Amin, I.**, 2017. Nrf2: A MASTER REGULATOR OF CELLULAR DEFENSE MECHANISM AND A NOVEL THERAPEUTIC FACTOR. *Pak. J. Biotechnol.* Vol, 14(1), pp.121-126.
- Afzal, S., Idrees, M., Almas, I., Rafique, S., **Amin, I.** and Shahid, M., 2017, January. Study of inhibition of interferon inducible genes by dephosphorylation of E2 envelope gene of HCV genotype 1a. In 2017 14th International Bhurban Conference on Applied Sciences and Technology (IBCAST) (pp. 183-188). IEEE.

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- **Amin, I.**, Naz, S., Shahid, M., Afzal, S., Ashraf, U., Rasheed, A., Rasul, A., Nawaz, R., Zahid, S., Almas, I. and Zahid, K., 2016. Inhibitory Effects of Thiazolidine Compounds against Hepatitis C virus: in vitro Study. 2016, 5(2): 27-33
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- Younas, S., **Amin, I.**, Shahid, M., Fatima, Z. and Idrees, M., 2016. Detection of *Salmonella enterica*, Subsp. *enterica* Serovar Typhi in Dengue Virus Seropositive Samples. *Pakistan Journal of Zoology*, 48(6).
- Akram, M., Fatima, Z., Purdy, M.A., Sue, A., Saleem, S., **Amin, I.**, Shahid, M., Idrees, M. and Nawaz, R., 2015. Introduction and evolution of dengue virus type 2 in Pakistan: a phylogeographic analysis. *Virology journal*, 12(1), p.148.

Year 2015

- Shahid, M., Butt, A., **Amin, I.**, Rasul, A. and Idrees, M., 2015. Gene expression profiling of human oxidative stress and antioxidant genes in patients with hepatitis C virus induced liver fibrosis: P26. *Journal of Viral Hepatitis*, 22, pp.36-37.
- Shah, S. S., Maqbool, A., Zaman, S., Idrees, M., Anjum, A. A., Afzal, S., ... & Nisar, A. (2015). Role of *Aedes* and *Culex* in Dissemination of Dengue Virus. *Pakistan Journal of Zoology*, 47(1).
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- Shahid, M., Idrees, M., Nasir, B., Raja, A.J., Raza, S.M., **Amin, I.**, Rasul, A. and Tayyab, G.U., 2014. Correlation of biochemical markers and HCV RNA titers with fibrosis stages and grades in chronic HCV-3a patients. *European journal of gastroenterology & hepatology*, 26(7), pp.788-794.

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Year 2013

- Fatima, Z., Afzal, S., Idrees, M., Rafique, S., Akram, M., Khubaib, B., Saleem, S., **Amin, I.** and Shahid, M., 2013. Change in demographic pattern of dengue virus infection: evidence from 2011 dengue outbreak in Punjab, Pakistan. *Public health*, 127(9), pp.875-7.

Year 2012

- Idrees, M., Hussain, W., Rehman, H.U., Tayyab, G.N., Afzal, S. Shahid, M., and Fatima, Z., 2012. Dengue virus serotype 2 (DEN-2): the causative agent of 2011-dengue epidemic in Pakistan. *Am J Biomed Sci*, 4(4), pp.307-315.

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- Butt, S., Idrees, M., Shahid, M., **Amin, I.**, Younas, S., Afzal, S., Akbar, H. and Ur Rehman, I., 2011. Change in hepatitis C virus clades: A cross-sectional study of chronic HCV patients in Pakistan from 2000–2010. *European journal of clinical microbiology & infectious diseases*, 30(5), pp.669-672.

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- Zaidi, G., Idrees, M., Malik, F.A., **Amin, I.**, Shahid, M., Younas, S., Hussain, R., Awan, Z., Tariq, A. and Parveen, K., 2010. Prevalence of hepatitis delta virus infection among hepatitis B virus surface antigen positive patients circulating in the largest province of Pakistan. *Virology journal*, 7(1), p.283.