

# AFAQ HUSSAIN

Research Associate

# Prof. Jayasri Das Sarma's Laboratory, Department of Biological Sciences, Indian Institute of Science Education and Research, Kolkata, India - 741246

## EDUCATION

Degree/Certificate	School/College	Board/University
Ph.D	Department of Biological Sciences	Indian Institute of Science Education and Research Kolkata
M.Sc. Biochemistry	Department of Biochemistry	University of Kashmir, Srinagar
B.Sc	Sri Pratab College Srinagar	University of Kashmir, Srinagar

## RESEARCH EXPERIENCE

- (Current Position) Research Associate-I in the project titled "Understanding the anti-viral role of Ifit2 against murine  $\beta$ -Coronavirus infection (SERB)" at Indian Institute of science Education and Research, Kolkata, India – April 2023 – to date.
- Indo – US Science & Technology Forum (IUSSTF) - Postdoctoral Fellow at Indian Institute of science Education and Research, Kolkata, India - June 2022– April 2023.

## ACHIEVEMENTS

- Received travel grant to attend " International Congress of Cell Biology (ICCB) 2018", Hyderabad, India
- Qualified CSIR – UGC National Eligibility Test

## PUBLICATIONS

- Sarma, S. D., Hussain A, and J. D. Sarma. 2017. Advances made in understanding the effects of arsenic exposure on humans. *Current science* 112(10):2008.
- Hussain, A., V. A. Raveendran, S. Kundu, T. Samanta, R. Shunmugam, D. Pal, and J. D. Sarma. 2018a. Mechanisms of Arsenic-Induced Toxicity with Special Emphasis on Arsenic-Binding Proteins. In *Arsenic-Analytical and Toxicological Studies*: IntechOpen.
- Hussain, A., S. D. Sarma, S. Babu, D. Pal, and J. D. Sarma. 2018b. Interaction of arsenic with gap junction protein connexin 43 alters gap junctional intercellular communication. *Biochimica et Biophysica Acta (BBA)-Molecular Cell Research* 1865 (10):1423-1436.
- Sharma, M., D. Chakravarty, A. Hussain, A. Zalavadia, A. Burrows, P. Rayman, N. Sharma, L. C. Kenyon, Bergmann & G. C. Sen (2023) Ifit2 restricts murine coronavirus spread to the spinal cord white matter and its associated myelin pathology. *Journal of Virology*, e00749-23.