

**Selim Hussen**

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**About Myself** Selim Hussen was born in Habiganj. Teaching is what he loves from his mind and therefore he has been teaching since 2019 in different universities. Before joining to CUET, Mr. Hussen worked as a Lecturer in Mathematics in Hamdard University Bangladesh, University of Skill Enrichment and Technology and Z.H. Sikder University of Science and Technology. Throughout his academic life, he has been meticulous to learn and likes to spread the light of knowledge. As recognition of his academic excellence, he has been awarded Bangladesh Prime Minister Gold Medal Award, The A F Mujibur Rahman Foundation Gold Medal Award for the excellence of result in B.Sc. and M.Sc., Scholarship of University Grant Commission (UGC), Bangladesh, Jagannath University Merit Scholarship and NST fellowships for his MPhil and M.Sc. program. He has attended research conferences from home and abroad and always feels interest in research. He is an MPhil fellow in the Department of Mathematics, Jagannath University. He always bears in mind that if one gives the world the best he has, the best will come to him as return.

## **Academic Background**

- M.Phil. Fluid Dynamics; from the Department of Mathematics, Jagannath University, Dhaka (Ongoing) with specialization in Numerical Heat transfer and fluid flows, Advanced Numerical Methods, Fluid Dynamics.
- M.Sc. (Thesis). Mathematics; from the Department of Mathematics, Jagannath University, Dhaka holding 1<sup>st</sup> position in order of merit with CGPA 4.00 on a scale of 4.00, Year: 2017 held in 2019
- B.Sc. (Hon's). Mathematics; from the Department of Mathematics, Jagannath University, Dhaka holding 1<sup>st</sup> position in order merit with CGPA 3.97 on a scale of 4.00, Year : 2016 held in 2017
- HSC. Science. Notre Dame College , Dhaka in English Version with GPA-5.00 , Year: 2011
- SSC. Science. Sylhet Board, with GPA-5.00, Year: 2009

## **Achievements**

- Bangladesh Prime Minister Gold Medal Award-2018 for the highest scorer in the faculty of Science, Jagannath University, Dhaka
- NST fellowship for MPhil program for the academic year 2021-2022 by the Ministry of Science and Technology, Bangladesh
- NST fellowship for M.Sc (Thesis) program for the academic year 2019-2020 by the Ministry of Science and Technology, Bangladesh
- The A F Mujibur Rahman Foundation Gold Medal Award-2019 for the highest scorer in the Department of Mathematics, Jagannath University, Dhaka in B.Sc.(Hon's)
- The A F Mujibur Rahman Foundation Gold Medal Award for the highest scorer in the Department of Mathematics, Jagannath University, Dhaka in M.Sc. (Thesis)
- Scholarship of University Grant Commission (UGC), Bangladesh
- Jagannath University Merit Scholarship

## **Current Position:**

Assistant Professor, Dept. of Mathematics, Chittagong University of Engineering & Technology (CUET), Chattagram-4349, Bangladesh (From March 14, 2024 to Still Now)

### Previous Experiences:

- Lecturer, Dept of Mathematics, Chittagong University of Engineering & Technology (CUET), Chattagram-4349, Bangladesh (From December 19, 2021 to March 13, 2024)
- Lecturer, Department of Mathematics, Hamdard University Bangladesh (HUB), Hamdard Nagar, Gazaria, Munsiganj-1510, Bangladesh (from September 30, 2021 to December 18, 2021)
- Lecturer, Department of Engineering, University of Skill Enrichment and Technology, Siddhirganj, Narayanganj, Bangladesh (from May 1, 2020 to September 29, 2021)
- Lecturer in Mathematics, Department of Business Administration, Z.H. Sikder University of Science and Technology, Bhederganj, Shariatpur, Bangladesh (from November 13, 2019 to April 30, 2020)

### Research interest

Fluid dynamics, Heat transfer, stability analysis and fluid flow through curved duct, Advanced Numerical Analysis, Group theory, Non-linear Dynamical System.

### List of Publications

SL	Title	Authors	Information	Year
01	Numerical Analysis of Steady and Unsteady Fluid Flow and Energy Distribution through a Curved Square Geometry Driven by Variable Pressure Gradients	<b>Selim Hussen,</b> Ratan Kumar Chanda, Tahmina Sultana, Rabindra Nath Mondal	Jagannath University Journal of Science, Bangladesh, ISSN 2224-1698, Vol 7, No-2, pp. 35-46, <a href="https://jnu.ac.bd/journal/portal/archives/science/7/2.jsp">https://jnu.ac.bd/journal/portal/archives/science/7/2.jsp</a>	2021
02	HYDROTHERMAL BEHAVIOR OF FLUID FLOW AND HEAT TRANSFER THROUGH A BENDING SQUARE CHANNEL	<b>Selim Hussen,</b> Ratan Kumar Chanda, Rabindra Nath Mondal	JOURNAL OF MECHANICS OF CONTINUA AND MATHEMATICAL SCIENCES <b>Vol.-17, No.-1, pp 54-64</b> <a href="https://doi.org/10.26782/jmcms.2022.01.00004">https://doi.org/10.26782/jmcms.2022.01.00004</a>	2022
03	An Efficient Computational Technique for the	<b>Hussen, S.,</b> Uddin, M., & Karim, M. R.	<i>Journal of Engineering Advancements</i> , 3(03), 104–111. <a href="https://doi.org/10.38032/jea.2022.0">https://doi.org/10.38032/jea.2022.0</a>	2022

	Analysis of Telegraph Equation.		<a href="#">3.005</a>	
04	Chaos control and synchronization of modified Lorenz system using active control and backstepping scheme	Musammet Tahmina Akter, Absana Tarammim & <b>Selim Hussen</b>	Waves in Random and Complex Media, DOI: 10.1080/17455030.2023.2205529	2023
05	Numerical study of solution structure and nonlinear behavior of Dean flow with vortex structure in a bending square duct	<b>Selim Hussen</b> , Md. Rashedul Islam, Rabindra Nath Mondal	<i>Physics of Fluids</i> 13 November 2023; 35 (11): 117116. <a href="https://doi.org/10.1063/5.0175180">https://doi.org/10.1063/5.0175180</a>	2023
06	Time-dependent Solution of Dean Flow through a Bent Square Duct with High Curvature	<b>Selim Hussen</b> , Md. Eleash Mia, Rifat Ara Rouf, Rabindra Nath Mondal	ICME-23 Conference, BUET Bangladesh. Accepted and presented the paper. Will be published soon.	2023

## References

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**My Profile at Website:** My profile is available to the link <https://www.cuet.ac.bd/members/642>

**Declaration of Authenticity:**

I, the undersigned, declare that the information presented in this document is authentic to the fullest of my knowledge and describes my qualification.

Sincerely yours



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**Selim Hussen**

Date: 21/03/2024