

# Shah MD Minhajul Abedin

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## EDUCATION

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<b>Master of Science</b> University of Dhaka, Microbiology (2021-22)	CGPA: <b>3.82</b> out of 4.00
<b>Bachelor of Science (Honors)</b> University of Dhaka, Microbiology (2016- 2019)	CGPA: <b>3.82</b> out of 4.00
<b>Higher Secondary Certificate (2015)</b> Jalalabad Cantonment Public School and College	GPA: <b>5.00</b> out of 5.00

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## TRAINING AND RESEARCH ACTIVITIES

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MS Thesis	‘Production and Characterization of a unique metabolite, <b>Violacein</b> from locally isolated <i>Chromobacterium violaceum</i> ’, in Enzyme and Microbial Technology Lab, Microbiology Department, Dhaka University (2021-2022)
Undergrad Project	“Isolation and identification of <b>Violacein</b> producing <i>Chromobacterium violaceum</i> and its sustainability under prolonged storage” in Microbiology Department, Dhaka University. (2019)
Hands on training	‘ <b>Drug and Peptide Design Course</b> ’ and 30 days hands on training in ‘Gaussian’, ‘AutoDock Vina’, ‘PyMOL’ at Red Green Research Centre (RGRC), Dhaka (2018)
Summer School	‘Cancer Core Europe (CCE) Virtual Summer School on Translational Oncology’ and Workshop Case Study Discussion and Molecular Tumor Board Simulation (13 and 14 October 2021)

## WORK EXPERIENCE

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<b>Vaccine Analyst</b> at National Control lab, Directorate General of Drug Administration, Dhaka, Bangladesh.	February 2022- Now
<b>Research assistant</b> in ‘Enzyme and Microbial Technology Lab’ of Microbiology Department, Dhaka University.	June 2020- January 2022
<b>Scientific assistant</b> in COVID-19 Detection Lab of ‘Centre for Advanced Research in Sciences (CARS)’.	2021 (January-June)
<b>Freelance Feature writer</b> at Roar Bangla, the collection of writings is here: <a href="http://www.roar.media/profile/minhaj/articles">www.roar.media/profile/minhaj/articles</a>	2016- 2022

## PUBLICATIONS

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### Review Article:

Hasanul, M.; Siam, B.; **Md, S.; Abedin, M.**; Ahmed, A.; Nishat, N.H.; Hossain, M.S.; Rahman, M.M. Pathophysiological mechanisms of disease severity in COVID-19: An update. J. Adv. Biotechnol. Exp. Ther. 2020, <https://doi.org/10.5455/jabet.2020.d158>

## CONFERENCES

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5th National Young Biotechnologists Congress 2020- Oral presentation  
DNA Day 2018- Idea Competition

## SCHOLARSHIPS/AWARDS

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National Science and Technology Fellowship for MS thesis	2022
Roar Bangla Best Writer of the Year	2019
The Nagao Natural Environment Foundation Scholarship (\$1300)	2017

## TRAINING/WORKSHOPS/COURSES COMPLETED

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Bioinformatics For Biologists: An introduction to Linux, Bash Scripting, And R	Wellcome Connecting Science, Futurelearn	3 weeks
R for Data Analytics	Institute of Statistical Research and Training, University of Dhaka	7 weeks

## SKILLS

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Molecular biology skills	DNA, RNA, protein isolation and identification, Agarose Gel electrophoresis, ELISA, RT-PCR, qPCR.
Bioinformatics skills	Chromatogram analysis; promoter gene prediction; comparative genomics using Clustal - $\Omega$ , MUSCLE, T Coffee, phylogenetic tree construction by MEGA.
Programming Skills	R; Linux for Bioinformatics and Bash Scripting.

## REFERENCES

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Prof. Shakila Nargis Khan, PhD Supervisor of MS thesis and Undergrad project	Department of Microbiology, University of Dhaka Email: shakila@du.ac.bd
Prof. Sangita Ahmed, PhD Course teacher and former student advisor	Department of Microbiology, University of Dhaka Email: sangita@du.ac.bd
Prof. Marufa Zerine Akhter, PhD Course teacher and current student advisor	Department of Microbiology, University of Dhaka Email: mzakhter@du.ac.bd