Pundarikaksha Das

Curriculum Vitae

PERSONAL DETAILS

Birth	August 21, 1994
Address	Flat No. 2D/1, Nakshatra Apartment, Jatiya Swahid Path, Beltola, Dist. Kamrup Metro, Assam, PIN - 781028
Phone	(+91) 88767-44022, (+91) 70021-68832
Email ID	p.das.mbbt@gmail.com
Religion	Hinduism
Nationality	Indian
Domicile	Assam
Gender	Male
Marital Status	Single

OTHER DETAILS

ORCID ID	https://orcid.org/0000-0002-0720-3578
Scopus ID	https://www.scopus.com/authid/detail.uri?authorId=57204651452
WOS ID:	https://www.webofscience.com/wos/author/record/HJP-4111-2023
LinkedIn	https://www.linkedin.com/in/pundarikakshadas/
ResearchGate	https://www.researchgate.net/profile/Pundarikaksha-Das

EDUCATION

Ph.D. in Molecular Biology and Biotechnology 2018-2023
Department of Molecular Biology and Biotechnology, Tezpur University

M.Sc. in Bioscience and Bioinformatics (Life Science) 2016-2018
Department of Molecular Biology and Biotechnology, Tezpur University
CGPA
8.10/10.00 (Gold Medalist)

B.Sc. in Bioscience and Bioinformatics 2013-2016
Department of Molecular Biology and Biotechnology, Tezpur University
CGPA
7.70/10.00

Higher Secondary 2010-2012
Science, Army Public School, Narangi
Percentage
94.20%

Matriculation 2008-2010
Mangaldai Maharishi Vidya Mandir
CGPA
10.00/10.00

OTHER QUALIFICATIONS

Diploma 2023-2024
Digital Forensic Investigation
Alison
86.00%

Post Graduate Diploma in Computer Application (PGDCA) 2020-2021
Global The Education Centre
Percentage
85.00%

Sangeet Visharad 2004-2006
Bhatkhande Sangeet Vidyapith, Lucknow
Percentage
57.67%

CERTIFICATION COURSES

Metabolic Network Analysis 2023
Alison
Skills
Metabolomics

The Basics of Forensic Biology and Chemistry 2023
Alison
Skills
Forensic Biology, DNA Analysis, Forensic Chemistry

Cancer Genomics Certification Course 2023
BioGrademy
Skills
Cancer Genomics

Microbial Genomics Certification Course 2023
BioGrademy
Skills
Microbial Genomics

Data Science Foundations: Data Mining in Python 2023
LinkedIn
Skills
Python (Programming Language), Data Mining

R for Data Science: Analysis and Visualization 2023
LinkedIn
Skills
R (Programming Language)

Next Generation Sequencing Certification Course 2023
BioGrademy
Skills

Next-Generation Sequencing (NGS)

Python for Biologists Certification Course 2023

BioGrademy

Skills

Python (Programming Language)

WORK EXPERIENCE

Summer Training 2016

Indian Institute of Technology, Guwahati

A very simple and efficient method for Genomic DNA isolation from *Neurospora crassa*. - Under the supervision of Prof. Ranjan Tamuli, Professor, Department of Biosciences and Bioengineering, Indian Institute of Technology, Guwahati, Assam, India

Summer Training 2017

Indian Institute of Technology, Guwahati

Computational Analysis of Calcium Signaling Genes in *Neurospora crassa*. - Under the supervision of Prof. Ranjan Tamuli, Professor, Department of Biosciences and Bioengineering, Indian Institute of Technology, Guwahati, Assam, India

Manuscript Reviewer 2023

Journal of Biomolecular Structure and Dynamics

Verified peer reviews: 04

NATIONAL/STATE LEVEL EXAMINATIONS CLEARED

SLET-NE 2019

Life Science

Roll No. 1903321577

FELLOWSHIP

DST INSPIRE Fellowship 2018-2020

Junior Research Fellow

INSPIRE Fellow: IF180422

DST INSPIRE Fellowship 2020-2023

Senior Research Fellow

INSPIRE Fellow: IF180422

SKILLS

Languages	English
	Hindi
	Assamese
	Sanskrit
	Bengali
Bioinformatics Tools	Molecular Dynamics Simulation
	Molecular Modelling
	Molecular Docking
	Computer Aided Drug Design (CADD)

	MATLAB
	LaTeX
	AMBER
	GROMACS
	AutoDock
	ArgusLab
	YASARA
	UCSF Chimera
	VMD
	BIOVIA Discovery Studio Visualizer
	PyMol
	RasMol
	OpenBabel
	Xmgrace
	MEGA11
	SigmaPlot
Programming Skills	Python
	R
	C
	C++
	SQL
	Perl
Microbiological Techniques	Isolation of Microorganisms
	Culturing
	Identification
	Staining Techniques
	Biochemical Studies
Molecular Biology Techniques	DNA Isolation
	PCR
	Agarose Gel Electrophoresis
	SDS PAGE
	Western Blotting
	Density Gradient Centrifugation
	Spectrophotometry (uv, vis)
	Sterilization Techniques
Additional Technical Skills	Microsoft Office
	Scientific Writing and Editing
	Manuscript Reviewing

LIST OF PUBLICATIONS

1. Pradhan, S., Das, P. and Mattaparthi, V.S.K., 2018. Characterizing the binding interactions between DNA-binding proteins, XPA and XPE: a molecular dynamics approach. ACS omega, 3(11), pp.15442-15454.
2. Das, P. and Mattaparthi, V.S.K., 2019. Computational investigation on the molecular interactions between MDM2 and its photoactivatable inhibitor. Biointerface Research in Applied Chemistry, 9(6), pp. 4671 – 4684.

3. Kakati, M., Das, D., Das, P., Sanjeev, A. and Mattaparthi, V.S.K., 2020. Effect of ethanol as molecular crowding agent on the conformational dynamics of α-synuclein. Letters in Applied NanoBioScience, 9, pp.779-783.
4. Das, P. and Mattaparthi, V.S.K., 2020. Computational Investigation on the p53–MDM2 Interaction Using the Potential of Mean Force Study. ACS omega, 5(15), pp.8449-8462.
5. Naik, B., Mattaparthi, V.S.K., Gupta, N., Ojha, R., Das, P., Singh, S., Prajapati, V.K. and Prusty, D., 2021. Chemical system biology approach to identify multi-targeting FDA inhibitors for treating COVID-19 and associated health complications. Journal of Biomolecular Structure and Dynamics, pp.1-25.
6. Das, P. and Mattaparthi, V.S.K., 2021. Computational Investigation on the MDM2-Idasanutlin Interaction Using the Potential of Mean Force Method. Current Chemical Biology, 15(3), pp.262-270.

CITATIONS AND H-INDEX

Citations	46
h-index	4
i10-index	1

CONFERENCE PROCEEDINGS

1. Das, P. Participated in the National Workshop on "Principles of Drug Designing", held at Tezpur University, Napaam, Assam, India on 5th-6th March, 2016, organized by DBT Supported Bioinformatics Infrastructue Facility, Department of Molecular Biology and Biotechnology, Tezpur University, Napaam, Assam, India.
2. Das, P. Participated in the National Workshop on "Whole Genome Data Analysis using Computational Framework and Tools", held at Tezpur University, Napaam, Assam, India on 24th-25th January, 2019, organized by DBT Supported Bioinformatics Infrastructue Facility, Department of Molecular Biology and Biotechnology, Tezpur University, Napaam, Assam, India.
3. Pradhan, S., Das, P., and Mattaparthi, V. S. K. "Characterizing the binding interactions between DNA binding proteins, XPA and XPE: A molecular dynamics approach." Assam Science Festival 2019, held at Tezpur University, Napaam, Assam, India on 23rd-25th March, 2019, organized by Assam Science, Technology and Environment Council in collaboration with Tezpur University, India. (Poster Presentation).
4. Das, P. Participated in the International Symposium on "Emerging Trends and Challenges in Cancer Chemoprevention, Diagnosis and Therapeutics" held at Tezpur University, Napaam, Assam, India on 17th-18th February, 2020, organized by Department of Molecular Biology and Biotechnology, Tezpur University, Napaam, Assam, India.
5. Das, P. and Mattaparthi, V. S. K. "In silico Investigation on the p53–MDM2 Interaction Using the Potential of Mean Force Study." National Seminar on "Advances in Basic and Translational Research in Biology (ABTRiB)" held at Department of Molecular Biology and Biotechnology, Tezpur University, Napaam, Assam, India on 11th-12th March, 2022. (Oral Presentation).
6. Das, P. and Mattaparthi, V. S. K. "In silico Investigation on the p53–MDM2 Interaction Using the Potential of Mean Force Study." 8th International Symposium on "Current Trends in Drug Discovery Research; Ageing Associated Metabolic CNS Disorders" held at CSIR-Central Drug Research Institute, Lucknow, India on 12th-14th March, 2022. (Poster Presentation, Online Mode).