



MURALI AADHITYA

MAGATESHVAREN SARAS

CONTACT INFO

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EDUCATION

PhD Research Scholar <i>IITB-Monash Research Academy Bombay, India</i>	2022-Present
M.Tech in Medical Biotechnology <i>Indian Institute of Technology Hyderabad Telangana, India</i> <ul style="list-style-type: none">Thesis topic: "Evolutionary Dynamics of SARS-CoV-2"CGPA: 9.61/10	2020-2022
B.Tech in Biotechnology <i>National Institute of Technology, Calicut Kerala, India</i> <ul style="list-style-type: none">Thesis topic: "Studies on Bioremediation of pesticide Carbendazim using agricultural soil samples."CGPA: 8.3/10	2016-2020
Higher Secondary Schooling <i>Shree Sarasswathi Vidhyaah Mandheer, Mettupalayam TN, India</i> <ul style="list-style-type: none">Scored 477/500 in All India Senior Secondary Certificate examination	2014-2016
Secondary Schooling <i>Emerald Valley Public School, Salem TamilNadu, India</i> <ul style="list-style-type: none">CGPA 9.8/10 in All India Secondary School Examination	2016-2020

EXPERIENCE

- TEACHING ASSISTANT** **2020-2022**
Indian Institute of Technology, Hyderabad | *Telangana, India*
- INTERN AT HUMAN MOLECULAR GENETICS LAB** **June 2018**
Rajiv Gandhi Center for Biotechnology | *Kerala, India*
- TRAINEE** **May-June 2017**
Madras Diabetes Research Foundation | *TamilNadu, India*

ACHIEVEMENTS

- Exams**
- GRE : 320/340
 - IELTS : Band 8
 - GATE : 602/1000; All India Rank 227
- Awards**
- Runner-up, Inter-hostel Badminton Championships, IITB, 2023
 - Proficiency Award, Shree Sarasswathi Vidhyaah Mandheer, 2016
 - State Level Spell Bee, 10th Position, 2015
 - District Aeromodelling Champion, Shree Sarasswathi Vidhyaah Mandheer, 2015
- Scholarships**
- MHRD Fellowship - 2020-2022
 - DBT Fellowship - 2022-2026

PUBLICATIONS

- Articles**
- Magateshvaren Saras, M.A.,** L.P.P. Patro, P.P. Uttamrao, and T. Rathinavelan (2022a). "Geographical distribution of SARS-CoV-2 amino acids mutations and the concomitant evolution of seven distinct clades in non-human hosts". In: *Zoonoses and Public Health*. DOI: 10.1111/zph.12971.
- (2022b). "SARS-CoV-2 whole-proteome sequences from environment as an indicator of community viral distribution, evolution and epidemiological dynamics: A cohort analysis of Austria". In: *Environmental Microbiology Reports*. DOI: 10.1111/1758-2229.13102.
- Sathyaseelan, Chakkarai, **Magateshvaren Saras, M.A.,** L. Ponoop Prasad Patro, Patil Pranita Uttamrao, and Thenmalarchelvi Rathinavelan (2023). "CoVe-Tracker: An Interactive SARS-CoV-2 Pan Proteome Evolution Tracker". In: *Journal of Proteome Research*. DOI: 10.1021/acs.jproteome.3c00068.
- Acknowledgements**
- G., Vigneshwaran, Qurratulain Annie Hasan, Rahul Kumar, and Avinash Eranki (2022). "Analysis of single-nucleotide polymorphisms in genes associated with triple-negative breast cancer". In: *Frontiers in Genetics*. DOI: 10.3389/fgene.2022.1071352.

WORKSHOPS

- NEXT-GEN SEQUENCING** **February 2022**
TNAU | *TamilNadu, India*

EXTRA CURRICULARS

POSITIONS

- Member, Vaccine Preventable Disease Group, NDMC, IITB | 2023 - Present
- General Secretary, RSAP, Department of Physics, IITB | 2023 - Present
- Placement Representative, National Institute of Technology, Calicut | 2018 - 2020
- Secretary, Biotechnology Association, National Institute of Technology, Calicut | 2018-2019
- Executive, Ragam Ethnic Stall, Ragam, National Institute of Technology, Calicut | Mar 2017, Mar 2018
- Chairperson, Valley Vivace, Emerald Valley Public School | 2012

VOLUNTEERING

- Organiser, Modelling in Health and Disease, NDMC, IITB | June 2023
- Organiser, SymPhy 2023, Dept. of Physics, IITB | January 2023
- Organiser, 5-Day conference on "Stochastic Thermodynamics in Biology", Dept of Physics, IITB | December 2022

SKILLS



Python3, BASH, Microsoft Office



Git, HTML, CSS, Adobe Photoshop



LaTeX

Languages

- | | |
|-------------|-------------------------------|
| • Tamil | Native Proficiency |
| • English | Full professional proficiency |
| • Hindi | Limited Working Proficiency |
| • Malayalam | Limited Working Proficiency |

REFERENCES

**Prof.
Mithun K Mitra**

PhD Supervisor
Associate Professor
Department of Physics
Indian Institute of Technology, Bombay
Mumbai, Maharashtra, India.
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**Prof.
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Associate Professor
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