

VAISHALI MULCHANDANI

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Curriculum vitae

Present Status	5 th year Integrated Ph.D., Scholar (MS-PhD), Department of Biological Sciences, Indian Institute of Science Education and Research Kolkata, India (Master's CGPA: 8.64) (2017-Current) Under the Supervision of Prof Jayasri Das Sarma , Department of Biology, IISER Kolkata.																									
Educational Qualifications	<table border="1"><thead><tr><th>Degree/Certificate</th><th>School/College</th><th>Board/University</th><th>Year of Passing</th><th>Percentage/CGPA</th></tr></thead><tbody><tr><td>Int.Ph. D Semester 6 (Masters)</td><td>Indian Institute of Science Education and Research Kolkata</td><td>Indian Institute of Science Education and Research Kolkata</td><td>2019</td><td>8.64 CGPA</td></tr><tr><td>B.Sc. Microbiology (H)</td><td>Institute of Home Economics</td><td>University of Delhi</td><td>2017</td><td>73.5%</td></tr><tr><td>AISSCE (12th)</td><td>Carmel Convent School, New Delhi</td><td>CBSE Board Exam</td><td>2014</td><td>77.6%</td></tr><tr><td>SSE (10th)</td><td>Carmel Convent School, New Delhi</td><td>CBSE Board Exam</td><td>2012</td><td>8.2 CGPA</td></tr></tbody></table>	Degree/Certificate	School/College	Board/University	Year of Passing	Percentage/CGPA	Int.Ph. D Semester 6 (Masters)	Indian Institute of Science Education and Research Kolkata	Indian Institute of Science Education and Research Kolkata	2019	8.64 CGPA	B.Sc. Microbiology (H)	Institute of Home Economics	University of Delhi	2017	73.5%	AISSCE (12th)	Carmel Convent School, New Delhi	CBSE Board Exam	2014	77.6%	SSE (10th)	Carmel Convent School, New Delhi	CBSE Board Exam	2012	8.2 CGPA
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Research Interest	<ul style="list-style-type: none">❖ Cancer Biology❖ Molecular Biology❖ Cell Signaling																									
Research Experience	<ul style="list-style-type: none">❖ Senior Research Fellow (2021-present) at IISER Kolkata❖ Junior research fellow (2019-2021) at IISER Kolkata❖ Collaborative research work at Newcastle University, United Kingdom from 1st August 2019 to 29th November 2019 under Dr. Nicola Curtin on 'Hyperthermia and immune modulation in homologous recombination stratified epithelial ovarian cancer: Development of targeted therapeutic approaches' under the DST-UKIERI.❖ Research project on "Assessment of indoor aeromycoflora from schools of Delhi" at University of Delhi (2015)❖ Rotator internship in microbiology department of Deen Dyal Upadhyay Hospital, New Delhi from 9th Dec. 2014 to 23rd Jan. 2015																									
Achievements	<ul style="list-style-type: none">❖ Qualified Joint Admission Test for M.Sc., (JAM) in Feb 2017❖ Qualified GS2017 – JGEEBILS/ TIFR Biology Entrance Test in 2017																									
Publications Book Chapter	<ul style="list-style-type: none">❖ Kumar S., Mulchandani V., Banerjee A., Das Sarma J. (2021) Interplay Between Redox Homeostasis and Oxidative Stress in the Perspective of Ovarian and Cervical Cancer Immunopathogenesis. In: Chakraborti S., Ray B.K., Roychowdhury S. (eds) Handbook of Oxidative Stress in Cancer: Mechanistic Aspects. Springer, Singapore. https://doi.org/10.1007/978-981-15-4501-6_69-1																									
Paper	<ul style="list-style-type: none">❖ A Bose, M Maulik, <u>V Mulchandani</u>, D Thomas, P Mukherjee, M Kovaland J Das Sarma. ERp29 attenuates coronavirus replication and infectivity. (Under communication)																									

Poster Presentation	<ul style="list-style-type: none"> ❖ Poster presentation in “Frontiers in Modern Biology (FIMB) 2020” at Indian Institute of Science Education and Research – Kolkata from 28th to 29th February, 2020. ❖ Poster Presentation at 1st Annual Meeting of Kolkata Gynecological Oncology Trials and Translational Research Group (KolGOTrg) from 2nd -4th March, 2019
Teaching Experience	<ul style="list-style-type: none"> ❖ Teaching Assistant for Spring 2021 semester at IISER-Kolkata for the course ‘Cloning & Protein Expression Laboratory’ under Dr. Jayasri Das Sarma. ❖ Teaching Assistant for Autumn 2020 semester at IISER-Kolkata for the course ‘Physiology and Developmental Biology Lab’ under Dr. Malancha Ta. ❖ Teaching Assistant for Spring 2020 semester at IISER-Kolkata for the course ‘Cloning and Protein Expression Laboratory’ under Dr. Jayasri Das Sarma.
Workshop & Symposiums attended	<ul style="list-style-type: none"> ❖ Participated in the Bilateral Indo-US Webinar on COVID Biology organized by IISER-Kolkata in collaboration with IISc, Bangalore, University of Pennsylvania-USA, and University of Colorado, USA , Between 16th – 19th August, 2020. ❖ Participated in the “New insights into the Inflammation, Immunity, and Pathobiology of Diseases” Indo-US Symposium organized by Department of Biological Sciences, IISER, Between 3rd – 8th December, 2019. ❖ Participated in course “The prevalence of Antibiotic Resistance in the Environment” conducted by Professor Sharon Gusky under the 2018 ASM-IUSSTF Indo-US Teaching Programme from January 3-4 and January 7-10, 2019. ❖ Attended a workshop on “Advanced bioanalytical methods and applications & Overview of Outreach activities in advanced microbiology education and teaching” in Gangtok from 24 February to 1st March, 2018. ❖ Participated in “Frontiers in Modern Biology (FIMB) 2018” at Indian Institute of Science Education and Research – Kolkata from 19th to 21st January, 2018. ❖ Attended a week-long hands-on training programme in Molecular Biology Techniques at Agri Biotech Foundation, Hyderabad in May-June 2016. ❖ Attended a hands-on workshop on Bioinformatics in January-2016. ❖ Attended a 2-day hands-on training workshop on “Cell Culture Techniques and Cytotoxicity Assays” at Amity University, Noida in October-2015. ❖ Participated in the Annual Microbiology Festival and Symposium on "Biofuels: An Alternative and Non-conventional Energy Source for Future, at Bhaskar Acharya College of Applied Sciences in 2015 ❖ Attended a Science Setu workshop on “Stem cell science and applications- hype or reality” organized by National Institute of Immunology in September, 2015. ❖ Participated in the SYSCON-2014 on "Recent Advances in Biological Sciences" at AIIMS, New Delhi
Other Skills	<ul style="list-style-type: none"> ❖ Cell Culture/ Tissue Culture ❖ Animal Dissection, maintenance and breeding ❖ Immunofluorescence ❖ Immunoblotting ❖ PCR ❖ Cytotoxicity assays (Clonogenic assay, MTT assay, SRB assay) ❖ Gene Cloning and expression ❖ Microscopy ❖ Dye Transfer Assay ❖ Basic knowledge of Computers (M.S. Office) ❖ GraphPad Prism ❖ ImageJ ❖ Adobe (Photoshop, Illustrator)
Extra- curricular	<ul style="list-style-type: none"> ❖ Got first position in “Science Hunt competition” organized by the life sciences department of the Ramjas College, University of Delhi (February 2016). ❖ Won Best Poster Competition in B.Sc. (H) I-year. ❖ Won second prize in Quiz Competition in Inter-college fest “Quanta-innovation-2015” at Daulat Ram College, University of Delhi ❖ Special merit certificate for "Best Poster Presentation” held at Institute of Home Economics in 2015 ❖ Special merit certificate for consolation in "Quiz" held at Institute of Home Economics in 2015 ❖ Merit certificate for participating in " My Dream Research Proposal" held at Institute of Home Economics in 2015 ❖ Got the third prize in "Play the Game" event in the Annual Microbiology Festival and Symposium on "Biofuels: An Alternative and Non-conventional Energy Source for Future, at Bhaskar Acharya College of Applied Sciences in 2015 ❖ National level chess player and Collage chess team captain for 3 years