



Name: Dr. M. Ravi

Degree: M.Sc., PhD, MNASc

Designation:

Professor- Department of Human Genetics

Email ID: mravi@sriramachandra.edu.in

Area of Research Expertise:

3D cell cultures, chromatin condensation dynamics, blood group antigen mutations and their association to carcinogenesis.

Awards:

1. Received the Shri. R. Dakshinamurthy and Shrimathi. Adhilakshmiammal Best Research Publication Gold Medal in the Biomedical Sciences, Technology & Research, SRU in the year 2019.
2. Received the “Certificate for Meritorious Publications” at the University level for the year 2017
3. Received the “Certificate for Meritorious Publications” at the University level for the year 2016

4. Received the Shri. R. Dakshinamurthy and Shrimathi. Adhilakshmiammal Best Research Publication Gold Medal in the Biomedical Sciences, Technology & Research, SRU in the year 2015.
5. Received the “Certificate for Meritorious Publications” at the University level for the year 2014

Recognitions:

Member of the National Academy of Sciences, India

Membership in Committees:

1. Member of the Publication Oversight Committee (SRIHER)
2. Editorial Member of the Sri Ramachandra Journal of Health Sciences
3. Member of the University Library Committee (SIHER)
4. Member of the Board of Studies, Department of Biotechnology, Stella Maris College, Chennai
5. Research Advisory Committee Member, Department of Biotechnology, MGR Educational and Research Institute, Chennai.

Books Published:

1. A Practical Manual for Basic Immunotechniques, Samanthi Publications, India, ISBN: 978-81 906565 0-4
2. Animal Cell Culture, Samanthi Publications, India, ISBN: 978-81-906565-1-1
3. Aggregates of cell lines on agarose hydrogels, Lambert Academic Publications, Germany, ISBN: 978-3-8473-0755-6
4. Ready Reckoner – Immunology, Samanthi Publications, India, ISBN: 978-81-906565-3-5
5. Anti-mitotic polyclonal antibodies for mitotic inhibition, Lambert Academic Publications, Germany, ISBN: 978-3-8484-2550-1
6. MCQs series for Life Sciences, Volume 1: Immunology, Biochemistry, Cell Biology, Developmental Biology, Genetics and Molecular Biology, Bentham Science Publishers, ISBN: 978-1-60805-945-4

7. MCQs series for Life Sciences, Volume 2: Cell & Tissue Culture and Microbiology, Bentham Science Publishers, ISBN: 978-1-68108-640-8

List of Publications (RECENT THREE YEARS):

1. Femina TA, Iyengar D, Maddaly R. Approaches for Head and Neck cancer research-current status and the way forward. *Cancer Investigation*. 2021 Nov 22;1-49. <https://doi.org/10.1080/07357907.2021.2009850>
2. Agrawal G, Ramesh A, Aishwarya P, Sally J, Ravi M. Devices and techniques used to obtain and analyze three-dimensional cell cultures. *Biotechnology Progress*. 2021 May;37 (3):e3126. <https://doi.org/10.1002/btpr.3126> IF:2.334
3. Ravi M. The active compounds of *Passiflora* spp and their potential medicinal uses from both in vitro and in vivo evidences. *Journal of advanced Biomedical and Pharmaceutical Sciences*. 2021 Jan 1;4(1):45-55. DOI: 10.21608/jabps.2020.44321.1105
4. Divya M, Smruthi R, Archana K and Maddaly Ravi. 2020. Applications of A549 cell line for in vitro studies – recent advances and a summary of their receptor functions. *The SciTech* 7(4) 13-18
5. Aastha Joshipura and Maddaly Ravi. 2020. Applications of 3-Dimensional Cell Cultures to Study Liver Physiology, Functions and Toxicity. *The SciTech* 7(2) 16-18.
6. Ravi M, Sneha MK, Joshipura A. The culture conditions and outputs from breast cancer cell line in vitro experiments. *Experimental Cell Research*. 2019 Oct 15;383(2):111548. doi: 10.1016/j.yexcr.2019.111548.
7. Ravi M, Ramanathan S, Krishna K. Factors, mechanisms and implications of chromatin condensation and chromosomal structural maintenance through the

cell cycle. Journal of Cellular Physiology. 2020 Feb;235(2):758-75.. DOI: 10.1002/jcp.29038

8. Lal AS, Begum SK, Bharadwaj SS, Lalitha V, Vijayalakshmi J, Paul SF, Maddaly R. Bleomycin-induced genotoxicity in vitro in human peripheral blood lymphocytes evidenced as complex chromosome-and chromatid-type aberrations. Toxicology in Vitro. 2019 Feb 1;54:367-74. <https://doi.org/10.1016/j.tiv.2018.10.013>

9. Maddaly R, Begum KS, Lal AS, Bharadwaj SS. Biochemical Mediators and Mechanisms Involved in Chromatin Conformational Remodeling through the Cell Cycle. Critical Reviews™ in Eukaryotic Gene Expression. 2019;29(5).

DOI: 10.1615/CritRevEukaryotGeneExpr.2019027174

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SCOPUS ID: [22956640700](#)

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Research Gate: https://www.researchgate.net/profile/Maddaly_Ravi

Mendeley: <https://www.mendeley.com/profiles/maddaly-ravi/>