

**Name** : Mrs. Hridhya KV  
**Staff ID** : RCAS03543  
**Designation** : Assistant Professor  
**Department** : Microbiology  
**Experience** : Teaching - 6 years  
**Qualification** : M.Sc., PhD., (Pursuing)  
**Specialization** : Medical Microbiology  
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## ACADEMICS

Degree	Branch	Institution / University	Year of Completion
Ph.D.	Medical Microbiology	Rathinam College of Arts and Science, Coimbatore. (Bharathiar University)	Pursuing
M.Sc.	Microbiology	Karpagam Academy of Higher Education, Coimbatore	2013-2015
B.Sc.	Microbiology	Sree Narayana Guru Arts and Science College, Coimbatore (Bharathiar University)	2010-2013

## RESEARCH AND PUBLICATIONS

### SEED MONEY

Title	Institution	Amount	Year	Status
A study on the versatile application of pigments extracted from fungal isolates of different environmental condition with special reference to medical application	Rathinam College of Arts and Science, Coimbatore-21.	50,000/-	2023 - 24	Completed

### Journal Publications

1. Kulandhaivel Murugesan, **Hridhya Vijayan**, Muthuvel Ramanathan Ezhilarasi, Parimala Maheshwaran and Rekha Sivankutty Radha and Mary Shama, 2017, Antibacterial Activity of Honey against Selected Pyogenic Bacteria. *International Journal of Pharmaceutical Science Review and Research*, Vol 45(2): 142- 145
2. Kulandhaivel Murugesan, **Hridhya Vijayan**, 2017, Antimicrobial Activity of *Chromolaena Odorata* against Selected Pyogenic Pathogens. *International Journal of Pharmacognosy and Phytochemical Research*, Vol 9 (7): 1001-1007.
3. Kulandhaivel Murugesan, Thamaraiyani Ilanchezhian and **Hridhya Vijayan**, 2017, The Effect of Hydroethanolic Solvents Extracts of *Piper betel* and *Plectranthus amboinicus* on Food Poison Disease Causing Pathogenic Bacteria, *International Journal of Pharmaceutical Science Review and Research*. 2017, Vol 45(1): 257-261
4. Rekha Sivankutty Radha, Kulandhaivel Murugesan, Hridhya Vijayan, 2017, Study on Antibiotic Susceptibility Testing against Pyogenic organisms from Wound infections. *International Journal of Pharmaceutical Science Review and Research*, Vol 45(1):262 – 265
5. Rekha S. R, Kulandhaivel M, **Hridhya K. V**. Antibacterial Efficacy and Minimum Inhibitory Concentrations of Medicinal Plants against Wound Pathogens. *Biomed Pharmacol J* 2018;11(1).
6. Mary Shama, Kulandhaivel Murugesan, **Hridhya Vijayan**, 2018, Isolation Identification and

Antibiotic Sensitivity pattern of Pyogens from Pyogenic pathogens. *Biomedical & Pharmacology Journal*, Vol. 11(1), 463-468.

7. Mary Shama, **Hridhya Vijayan**, Kulandhaivel Murugesan, 2018, Evaluation of Antimicrobial activity and Minimum Inhibitory Concentration of Ethanolic Extract of Three medicinal plants against Bacteria causing Skin infection. *Journal of Pure and Applied Microbiology*, Vol. 12(1), 375 - 379.
8. **Hridhya. KV**, Kulandhaivel .M, P. Srinivasan and M. Rajalakshmi, 2023, Identification of bioactive compounds in *Sesamum alatum* Thonn by qualitative phytochemical analysis and GCMS. *Biochemical and Cellular Archives*, Vol. 23(1), 329-333.
9. Kavya R, **Hridhya KV**, Rajalakshmi M, Kowsik S, Bharathi V, Suresh SN, Srinivasan P, 2023, Extraction of flavouring compound from actinomycetes, *Chelonian Conservation and Biology*, Vol. 18(2), 2227 - 2233.
10. **Hridhya KV**, Srinivasan P, Rajalakshmi M, Dharshini K, Kavya R, Suresh S N, Bharathi V, Dhivya Dharshini S, 2024. Histopathological Analysis of Daneio Rerio Fed with Artemia Nauplii Bio Enriched with *Streptomyces coelicolor* AP-09 Secondary Metabolite. *The Bioscan*, 19(2), 55–57.
11. Najiya Begum TP, Juby TR, **Hridhya KV**, Kulandhaivel M, Mhesh P, Shainy NK, 2025, Bioprospecting of soil microflora for urease activity and their role in urea detoxification from water, *International Journal of Environmental Sciences*, Vol. 11 (18), 3189-3214

### Book Chapters

1. **Hridhya K V**, Srinivasan P, Rajalakshmi M, Abarna K, Suresh S N, 2023, Antibiotic alternatives, *Recent Developments in Basic and Applied Sciences* Pg. No: 221-237
2. Kavya R, Hridhya K V, Rajalakshmi M, Abarna K, Srinivasan P, Suresh S N, 2023, Synthetic Biology and Microbes, *Recent Developments in Basic and Applied Sciences*, Pg. No: 211-220.
3. **KV Hridhya**, P. Srinivasan, M. Kulandhaivel, M. Rajalakshmi, R Kavya, 2024, *Ethnopharmacology: Bridging Traditional Knowledge with Modern Medicine, Medicinal Phytochemicals: Exploring Nature's Pharmacy*, Pg. No: 18-32
4. **K.V. Hridhya** and R. Kavya, 2025, *Biomining: Extracting Resources from the Earth with Microbes, Innovating Tomorrow: Biotechnology and Biosciences Role in Shaping the Future (Volume 2)*, Pg. No: 78-89
5. Kavya R and Hridhya K V, *Extremophiles: Life at the edge of possibility, Innovating Tomorrow: Biotechnology and Biosciences Role in Shaping the Future (Volume 1)*, Pg: 262-282
6. **KV Hridhya**, P. Srinivasan, M. Kulandhaivel, M. Rajalakshmi, R Kavya, 2024, *Ethnopharmacology: Bridging Traditional Knowledge with Modern Medicine, Medicinal Phytochemicals: Exploring Nature's Pharmacy*, Pg. No: 18-32
7. **K.V. Hridhya** and R. Kavya, 2025, *Biomining: Extracting Resources from the Earth with Microbes, Innovating Tomorrow: Biotechnology and Biosciences Role in Shaping the Future (Volume 2)*, Pg. No: 78-89
8. Kavya R and **Hridhya K V**, *Extremophiles: Life at the edge of possibility, Innovating Tomorrow: Biotechnology and Biosciences Role in Shaping the Future (Volume 1)*, Pg: 262-282

## Books

1. **K.V. Hridhya, R. Kavya**, 2024, S.N. Suresh, Textbook of Medical Microbiology, Saliha Publications, ISBN Number: 978-93-94198-59-3.
2. **Hridhya KV**, Binumol, V Muthulakshmi, Shainy NK, 2025, Textbook of Biochemistry, Saliha Publications, ISBN Number: 978-93-48325-64-8

## Proceedings

1. **Hridhya.K.V**, Srinivasn.P, Rajalakshmi.M, Kavya.R, and Abarna.K, Isolation and identification of laccase enzyme producing bacteria from soil sample, International Conference on Current Trends in Basic and Applied Science (ICCBAS 2023), 11.10.2023-12.10.2023
2. **Hridhya. K V**, P. Srinivasan, M. Rajalakshmi, Kavya. R, Abarna. K, The Next Frontier: Exploring the Cutting-Edge Applications of Biosensors in Food and Pharmaceutical Sectors, Two days International Conference on 'Recent Trends in Inter-Disciplinary Innovations Bridging Computer Science and Life Sciences (RTIICSM-2024) on 27.03.2024 &28.03.2024
3. **Hridhya K V**, Rajalakshmi M, Kavya R, Abarna K, Srinivasan P, Smart Textiles: Integrating Microbial Sensors For Health Monitoring And Safety Assurance, LIMFA organised by School of Fine Arts.
4. R.Kavya, **K.V.Hridhya** and Maya, Isolation and Identification of Multidrug Resistant Pathogen From Chicken Sample and Remedial Measures, Artificial Intelligence in Science, Technology, Commerce, Management, Healthcare and Education, Pg. No: 660-679
5. Srinivasan. P , **Hridhya. KV**, Kavya. R, Rajalakshmi. M, Shalini. SJ and Meenatchi. B, A Bioprospective Insight Into Poly Herbal Handwash Infused with Indigenous Medicinal Flora: Evaluation and Analysis, Artificial Intelligence in Science, Technology, Commerce, Management, Healthcare and Education, Pg. No: 852-862
6. Rajalakshmi. M, Srinivasan. P, **Hridhya. KV** and Kavya. R , Mohammed Suhail A and Elackiya R, Formulation of an Effective Microbial Consortium to Accelerate the Organic Waste Composting Process, Pg. No: 863-879
7. **Hridhya KV**, P Srinivasan, M. Rajalakshmi, Kavya R, Medicinal Potential of Sesamum alatum: Phytochemical Screening and Antibacterial Assessment, National Conference on Strategies to combat the menace of multidrug resistant (MDR) pathogens (NCMDR-2025), Pg. No: 113

## PRESENTATIONS

	State Level	National	International
Conference	-	3	3
Seminar	1	1	Nil

## PARTICIPATION

	State Level	National	International
Conference	-	4	-
Seminar	1	3	1
Workshop	12	5	-
Orientation	-	1	3
FDP/PDP	7	5	3

### Events Organized

1. Coordinator - Seminar on Basic approach towards attending competitive exam, 26.10.2023
2. Coordinator - Workshop on Regenerative Agriculture, 25.03.2024
3. Coordinator - Techno-Cultural Event – Streakz on 23.08.2024
4. Coordinator - 5 Days Online FDP on Embracing Local Ecological Management and Environmental Norms through the Teachings of Sustainability via Pancha Bhoota and Indian Knowledge Systems (ELEMENTS-2024)', 17.10.2024 - 23.10.2024

### Members in BoS/ Editorials/ Professional Bodies

- Journal reviewer in Journal of Biological Research And Reviews

### AWARDS, HONORS AND RECOGNITION

Awards / Honors /Recognition	Agency / Institution	Year of Award
Golden Gurus	GRT Jewelers	2025