

# CURRICULUM VITAE

<p><b>Dr. ROBERT ANTONY A</b></p>  <p><b>Qualification</b> Ph.D., M.Sc., Microbiology</p> <p><b>Email</b> <a href="mailto:robertmicrobiology@gmail.com">robertmicrobiology@gmail.com</a> <a href="mailto:robert55bdu@gmail.com">robert55bdu@gmail.com</a></p> <p><b>Mobile</b> Primary : +91- 8344147637 Secondary : +91- 8072487322</p> <p><b>Communication Address</b> Assistant Professor, Department of Microbiology, Govt. Arts and Science College Kozhinjampara, Nattukal Palakkad – 678 554 Kerala</p> <p><b>Permanent Address</b> S/o Arokiaswamy Nayagathar Veedu Kanakkankalam Kozhippara (P.O) Palakkad District Kerala – 678557</p> <p><b>Personal Data</b> <b>Date of Birth</b> : 14.11.1987 <b>Age</b> : 36 <b>Sex</b> : Male <b>Nationality</b> : Indian <b>Marital Status</b> : Married <b>Religion</b> : Christian <b>Caste</b> : Latin catholic <b>Mother Tongue</b> : Tamil</p>	<p><b>OBJECTIVE</b></p> <p>To pursue a highly challenging research career where I can apply my knowledge, acquire innovations, total quality and technology. Enthusiastic teacher and researcher committed to developing inquisitive lifelong learners. Seeking opportunity to create a positive environment that encourages student exploration and promotes self-esteem. Apart from this I am very much interested in teaching for national level competitive exams to students get a good position in various intuitions as a researcher and high level professionals.</p> <p><b>AREA OF TEACHING AND RESEARCH INTEREST</b></p> <p>Microbiology all fields specially focused on Agricultural, Food and Environmental Microbiology. Also interested in Biocontrol and Biofertilizers research, Rhizosphere Engineering, Bioremediation Technology for the waste and toxic materials.</p> <p><b>EDUCATION</b></p> <p><b>Doctoral of Philosophy (Ph.D., Microbiology) – June 2018.</b> <b>(Grade Point Average of 9 with 89.33%) – Highly Commended</b> Rhizosphere Biology Laboratory Department of Microbiology, Bharathidasan University Campus Tiruchirappalli, Tamilnadu – 620 024.</p> <p><b>Post Graduate (M. Sc., Microbiology) – October 2011</b> <b>(Percentage of Marks 72.85 %, CGPA 7.1 with ‘A’ Grade)</b> Department of Life Sciences, Calicut University Campus University of Calicut, Malappuram, Kerala – 673 635.</p> <p><b>Under graduate (B. Sc. Microbiology) - April 2009.</b> <b>(Percentage of Marks –81.28 %)</b> Govt. Arts and Science College, Kozhinjampara, Nattukal, Palakkad, Kerala – 678554(Affiliated to University of Calicut).</p> <p><b>H. Sc., (Biology with Mathematics) - March 2006.</b> <b>(Percentage of Marks – 80.80 %)</b> St. Paul's Hr. Sec. School, Kozhinjampara, Palakkad, Kerala-678556</p> <p><b>S.S.L.C - March 2004.</b> <b>(Percentage of Marks - 82.80 %)</b> St. Francis Xavier's Voc. Hr. Sec. School, Parisakkal, Kerala – 678557</p> <p><b>SELF ASSESSMENT</b></p> <ul style="list-style-type: none"> <li>• Hard Working, Quick learner and self-motivator.</li> <li>• Flexible to work in different platforms.</li> <li>• Willing to take new challenges &amp; produce results with team spirit.</li> </ul> <p><b>LANGUAGES KNOWN</b></p> <p>Tamil, English, Malayalam, Hindi-Moderate (Read, write and speak).</p>
--	---

**EXAMS QUALIFIED AT NATIONAL LEVEL**

EXAM/BRANCH	MARK and RANK	YEAR	Rg. No.
CSIR-JRF and NET (Life Sciences)	125 <sup>th</sup> Rank out of 814	June 2015	337713
ICAR-NET (Agricultural Microbiology)	58% Marks	April 2014	1080300629
ICMR – JRF (Life Sciences)	1 among 120 candidates	July 2012	20765
GATE (Life Sciences)	165 <sup>th</sup> Rank out of 10737	March 2012	XL-7192050

**TEACHING EXPERIENCE**

Duration	Position	Institution Address	Degree and Subject
From June 2018 – Till now (5.5 years)	Assistant Professor (Level 11)	Govt. Arts & Science College, Kozhinjampara, Nattukal, Palakkad, Kerala – 678 554	B.Sc Microbiology and M.Sc Microbiology (All microbiology subjects)
From Nov 2020 - Till now (3 yrs)	Research Supervisor for Ph. D students	Govt. Arts & Science College, Kozhinjampara, Nattukal, Palakkad, Kerala – 678 554	All microbiology subjects and allied subjects

**EXTRA CURRICULAR WORKS INCHARGE AT COLLEGE AND UNIVERSITY LEVEL**

Position	Duration
PTA Secretary for the college - GASCK	September 2023 – Till now
Member of Research committee - GASCK (Calicut University)	June 2021 –Till now
M.Sc Microbiology Chairman (Theory & Practical) - (Calicut University)	June 2020 – March 2021
Member of Board of studies - Medical Biochemistry (Calicut University)	Feb 2020 – Till now
Member of PG Programmes in Affiliated Colleges (Kannur University) - Curriculum & Syllabus revision for the Academic year 2023-2024	Feb 2023 - Till now
Anti-ragging committee member	From 2021 June- Till now
Question paper setter (Kerala, Kannur and Bharathidasan University)	From 2019 – Till now
Member in college land committee	From Mar 2019 – Till now
Member in college admission committee	From June 2019 – Till now
In charge as an Additional Chief Exam Superintendent for the College (Govt. College, Kozhinjampara)	From Jan 2019 – June 2023

## ***Dr. Robert Antony. A Curriculum Vitae***

Nodal Officer for Scholarship (Govt. College, Kozhinjampara)	From Oct 2018 – May 2021
In charge for the Red Cross Society (Govt. College, Kozhinjampara)	From Dec 2018 – Aug 2019
In charge for the environmental club (Govt. College, Kozhinjampara)	From June 2018– Aug 2019
Co-Ordinator for the College Alumni Association (Govt. College, Kozhinjampara)	From Dec 2018 - Till now
Internal Mentor for the Walk With Scholar (WWS) programme (Govt. College, Kozhinjampara)	From July 2018 - Till now
Internal Mentor for the Scholar Support programme (SSP) (Govt. College, Kozhinjampara)	From July 2018 - Till now

### **FELLOWSHIP AWARDED DURING DOCTORAL PHILOSOPHY**

**Maulana Azad National Fellowship, Funding Agency:** UGC, New Delhi, India (From 2013 - 2018)

**Ref. No.:** F1-17.1/2013-14/MANF-2013-14-CHR-KER-28582/ (SA III); Dated on 06-02-2013.

**Place:** Department of Microbiology,  
Bharathidasan University,  
Tiruchirappalli - 620 024.

#### **Research Supervisor**

**Dr. V. Rajesh Kannan Ph. D.,**  
**Assistant Professor,**  
Department of Microbiology,  
Bharathidasan University,  
Tiruchirappalli - 620 024.

**Duration:** July 2013 - June 2018.

**Stipend :** **JRF** - Rs. 16,000 /p.m. (July 2013-Nov 2014)  
: **JRF** - Rs. 25,000 /p.m. (Dec 2013 -June 2015)  
: **SRF** - Rs. 28,000 /p.m. (July 2015 - June 2018)

### **PROJECT EXPERIENCE**

#### **DOCTOR OF PHILOSOPHY**

**Title:** PGPR Inoculated Micronutrient Enriched Cereals Response on Hepcidin (Anaemic) and Metallothionein (Diabetic) in Mice Model - An Agromedicine Approach.

**Duration :** 1<sup>st</sup> July 2013 – 11<sup>th</sup> June 2018.

**Institution:** Department of Microbiology, Bharathidasan University, Tiruchirappalli.

**Supervisor:** Dr. V. Rajesh Kannan, Associate Professor

Department of Microbiology, Bharathidasan University, Tiruchirappalli.

## **POST GRADUATE**

**Title:** Gut microbial role in animal welfare (selected insects and birds study).

**Duration:** 1<sup>st</sup> April – 30<sup>th</sup> September 2011.

**Institution:** Department of Life Sciences, University of Calicut, Malappuram, Kerala.

**Supervisor:** Dr. I. D. Konikkara, Associate Professor (Retired 2011).

Department of Life Sciences, University of Calicut, Malappuram, Kerala.

## **TECHNICAL SKILLS**

- Chromatographic Techniques (TLC, HPTLC, Column and Paper Chromatography).
- Qualitative and quantitative Biochemical analysis, Pharmacognostical sectioning and Histopathological techniques at mice level.
- Phytochemical analysis, Pharmacological techniques handled in animals (Related to micronutrient diseases like anemia, diabetes etc).
- Molecular techniques including PCR, RT-PCR, qPCR, SDS-PAGE, DNA, RNA, Metagenomic DNA isolation, handling vectors, restriction enzymes, Transformation in microbes and plants using *Agrobacterium*.
- Virus cultivation techniques using egg and cell lines.
- Field and nursery work related to biofertilizer and biocontrol agents.
- All the techniques used in microbiological laboratory.
- All biochemical tests for analysis of biomolecules.

## **COMPUTER SKILLS**

- Experienced in E - learning soft wares – Moodle (**LMS – Learning Management System**), **Google class room, Google meet, Zoom App**, etc.
- Well experienced in **ICT enabled teaching** and learning techniques.
- Well experienced in **Flipped Class room** techniques.
- Trained with 'R' software version, well known the **Python** executing procedures (**Jupiter**)
- Well known to working in **Graph pad Prism** and **SPSS ANOVA** software.
- Trained in **LATEX software** for all types of works.
- Adequate computer knowledge (Able to work in MS office), some bioinformatics works such as drawing molecules, sequence BLAST, Sequence submission in NCBI, Phylogenetic tree construction.
- Designing the banners, notices and book cover pages.
- Creating and maintaining webpages related to academics.

**PAPER PUBLISHED / COMMUNICATED IN JOURNALS AND BOOKS (International/National)**

1. Published a paper entitled Pyrosequencing reveals bacterial communities in *Bacillus thuringiensis* Bollgard II – A metagenomics approach King Solomon Ebenezer, **Robert Antony A** and Rajesh Kannan Velu (2020). Academia Journal of Biotechnology 8(1): 001-007, ISSN 2315-7747.
2. Published a paper entitled Impact of micronutrient variations on phosphate solubilizing PGPR *Alcaligenes faecalis* RBL2 isolated from *Sorghum bicolor* rhizosphere soil. **A. Robert Antony**, K Kannan, R. Sangeetha Devi, Nathiya S, Manikandan A and V. Rajesh Kannan (2020). Journal of soil biology and ecology, ISSN: 0025 – 326X.
3. Published a book chapter entitled Characterization of the bioactive metabolite and their functional chemistry against bacterial blight disease in cowpea by *Bacillus safensis* VRKK2. K Kannan, V. Rajesh Kannan, R. Sangeetha Devi, S. Chandru, **A. Robert Antony**, Manikandan A and (2019). Natural products chemistry and drug design – 2019- Benthem science
4. Published a paper entitled Behavioral pattern of *Bacillus safensis* VRKK2 a potential PGPR isolated from cowpea rhizosphere. K. Kannan, V. Rajesh Kannan, R. Sangeetha Devi, S. Chandru, **A. Robert Antony** and Manikandan A (2020). Journal of soil biology and ecology, ISSN: 0025 – 326X.
5. Published a paper entitled Investigation of biodegradation of potentials of high density polythene degrading marine bacteria isolated from the coastal regions of Tamilnadu. India. R. Sangeetha Devi, R Ramya, K Kannan, **A. Robert Antony** and V. Rajesh Kannan (2019). Journal of Marine Pollution Bulletin, ISSN: 0025 – 326X.
6. Published a paper entitled, Validation of *Alcaligenes faecalis*RBL1 Efficacy on Zinc Solubilization in *Sorghum bicolor* Rhizosphere Soils. **A. Robert Antony**, V. Rajesh Kannan, D. Nivas, S. Chandru, R. Sangeetha Devi, K. Kannan (2017). Asian Journal of Microbiology, Biotechnology and Environmental Sciences ISSN: 0972 – 3005.
7. Published a book chapter entitled Common bacterial phytopathogens and strategy to control biofilm based infection. **Robert Antony A**, Janani R and Velu Rajesh Kannan. (2017). Biofilm in plant and soil health, Wiley and Sons, Chapter 21, Pages (409-430), ISBN: 978-1-119-24634-3.
8. Published a paper entitled, Imidazoloquinoline bearing thiol probe as fluorescent electrochemical sensing of Ag and relay recognition of Proline. K. Velmurugan A. Thamilselvan, **A. Robert Antony**, V. Rajesh Kannan R. Nandhakumar (2016). Journal of Photochemistry and Photobiology A: Chemistry.

9. Published a book chapter entitled Role of microbes in plastic degradation. R. Sangeetha Devi, V. Rajesh Kannan, K. Natarajan, D. Nivas, K. Kannan, S. Chandru, **A. Robert Antony** (2015). Environmental waste management, Taylor and Francis group, CRC press, 592.
10. Published a book chapter entitled Plant pathogenic bacteria - an overview. V. Rajesh Kannan, Kubilay K. Bastas and **Robert Antony A.** (2015). Sustainable approaches to controlling plant pathogenic bacteria, Taylor and Francis group CRC press page 1 – 15.
11. Published a paper entitled Exploration of endophytic microorganisms from selected medicinal plants and their control potential to multidrug resistant pathogens. Arun Kumar G, **Robert Antony. A.**, V. Rajesh Kannan (2015). Journal of Medicinal Plant Studies, ISSN: 2320 – 3862.
12. Published a paper entitled Biodegradation of HDPE by *Aspergillus spp* from Marine Ecosystem of Gulf Mannar, India. R. Sangeetha Devi, V. Rajesh Kannan, D. Nivas, K. Kannan, S. Chandru, **A. Robert Antony** (2015). Journal of Marine Pollution Bulletin, ISSN: 0025 – 326X.

#### **PRESENTATIONS AND PARTICIPATIONS IN CONFERENCES (International/National)**

1. Presented a paper entitled Comparative study of the anthelmintic and antimicrobial effect of *Vernonia cinera* and its extract with silver nanoparticles, in **1<sup>st</sup> Kerala pharmaceutical congress 2023, organized by Kerala pharmacy Graduates Association (KPGA)** at St. James College of pharmaceutical sciences, Chalakudy on 25<sup>th</sup> & 26<sup>th</sup> February 2023.
2. Presented a paper entitled Isolation, identification and comparative *insilico* analysis of phytase gene from plant growth promoting rhizobacteria in **National Seminar on Bioprospecting of Biodiversity for Agriculture and Medicine: Current Status and Future Prospectives**, organized by Department of Botany, Bharathiar University, Coimbatore, Tamilnadu, India, on 3 and 4<sup>th</sup> October 2019.
3. Participated in a Director of Collegiate Education Kerala, sponsored national seminar on **Protein and Prospects** organized by Department of Microbiology and Biochemistry, Govt. Arts and Science College, Kozhinjampara, Nattukal, Palakkad, Kerala, on 22<sup>nd</sup> November 2018.
4. Presented a paper entitled Effect of Phytic acid on Zinc metabolism in Streptozotocin induced Diabetic mice, in **International conference on Biotechnology and Biodiversity**, jointly organized by department of biotechnology and genetic engineering, Bharathidasan University and Department of biotechnology, Periyar University, Salem, Tamilnadu, India, on 25 – 27 February 2016.



5. Participated in a DST sponsored national seminar on **Genome and Protein Engineering** organized by Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli, Tamilnadu on 12<sup>th</sup> February 2016.
6. Presented a poster entitled Effect of Phytic acid on Zinc and Glucose metabolism in Streptozotocin induced Diabetic mice, in 11<sup>th</sup> **National Research Scholars Meet in Life Sciences**, at Advanced Centre for Treatment, Research and Education in Cancer (ACTREC) Navi Mumbai, India, on 17 – 18 December 2015.
7. Presented a poster entitled Effect of Phytic acid on Glucose metabolism in Streptozotocin induced Diabetic mice, in 11<sup>th</sup> **International Food Database Conference on Food Composition and Public Health Nutrition**, at National Institute of Nutrition (ICMR) Hyderabad, India, along with **FAO (USA)**, International Network of Food Data System and ICMR, on 3–5 November 2015.
8. Presented and **Won Third Prize** for a paper entitled Analysis of Glomalin Protein Levels in Different Crops Rhizosphere Soils in **National Seminar on Recent Advances in Industrial Biotechnological Skills and Development**, at Thiagarajar College Madurai, Tamilnadu, conducted by PG and Research Department of Botany along with DST- SERB on 31<sup>th</sup>& 31<sup>st</sup> December 2015.
9. Presented a paper on Isolation and Characterization of Zn Tolerant Plant Growth Promoting Rhizobacteria from Metal Contaminated Soils in National Seminar on **Recent Trends in Life Sciences** organized by P. G Research Department of Biotechnology, Jamal Mohammad College, Tiruchirappalli, on 25<sup>th</sup> February 2015.
10. Presented a poster on Assessment of bacteria intended micronutrient solubilization from cereals crop rhizosphere. **7<sup>th</sup> International Congress on Environmental Research** organized by journal of environmental research and development, Bhopal (India) and R.V. college of engineering, Bangalore (India) on 26 - 28 December 2014.
11. Participated in an international conference on **Trends in Plant Systematic (TIPS)**, organized by Department of plant science, Bharathidasan University, Tiruchirappalli, Tamilnadu, India on 31<sup>st</sup> October to 2<sup>nd</sup> November 2014.
12. Presented a poster on exploration of endophytic microorganisms from selected medicinal plants and their control potential to multidrug resistant pathogens in national conference on **Biodiversity Conservation: Status, Future and Way Forward** held on July 19<sup>th</sup> and 20<sup>th</sup> 2014, organized by National Academy of Biological Sciences, Chennai and Department of Biotechnology, K.S Rangasamy college of technology, Tiruchengode, Erode, Tamilnadu.

13. Participated in a UGC sponsored national seminar on **Modern Trends in Biology** organized by Department of Zoology, University of Calicut, Kerala on 24<sup>th</sup> March 2011.
14. Participated in a UGC sponsored two days national seminar in **Microbiology** organized by department of Life sciences, University of Calicut Kerala on 12<sup>th</sup> and 13<sup>th</sup> of January 2010.
15. Participated in a UGC sponsored national seminar on **Modern Science and Technology in India**, organized by St. Mary's College, Thrissur, Kerala on 2007.

#### **TRAINING COURSES/ WORKSHOP / SYMPOSIUM / ORIENTATION PARTICIPATED**

1. Attended a Five day National workshop on **Multidisciplinary Perspectives for Pharmaceutical, Life science educators and Researchers** held on December 9<sup>th</sup> - 15<sup>th</sup> 2013 in Department of Pharmaceutical Technology, Anna University Chennai, Bharathidasan Institute of Technology, Tiruchirappalli - 620 024, Tamil Nadu, India.
2. Attended Five day **Training Programme on Research Writing** conducted by Centre for technical writing and academic writing", held on 27<sup>th</sup> -31<sup>st</sup> January 2014, Bharathidasan University, Tiruchirappalli - 620 024, Tamil Nadu, India.
3. Attended six days National workshop in the **Tools and Techniques in Molecular Biology and Bioinformatics**, held on 10<sup>th</sup> - 15<sup>th</sup> February 2014, organized by the Department of Biotechnology, Cochin University of Science and Technology, Kerala.
4. Attended Ten days refresher training on **Gene Expression Analysis** held on 14<sup>th</sup> - 24<sup>th</sup> July 2014, organized by the Department of Plant Biotechnology, college of agriculture, Kerala Agricultural University, Kerala.
5. Attended one day national workshop on **Resources and Technologies for Scholarly Information** held on August 12<sup>th</sup>2014, at Bharathidasan University, Tiruchirappalli - 620 024, Tamil Nadu, India.
6. Attended Two day national workshop on **High Capacity Workshop for Enhancing Entrepreneurial and Employability Skills for Disabled Youth**, held on Jan 20 & 21<sup>st</sup> 2015, jointly organized by Department of Rehabilitation Science and Rajiv Gandhi National Institute of Youth Development, at Holy Cross college, Tiruchirappalli - 620 002, Tamil Nadu, India.
7. Attended one day national workshop on **High Performance Liquid Phase Separation Technique** held on Jan23<sup>rd</sup>2015, Organized by Department of Marine Biotechnology, at Bharathidasan University, Tiruchirappalli - 620 024, Tamil Nadu, India.



8. Attended one day national level technical workshop on **Next Generation Sequencing** held on Sep 10<sup>th</sup> 2015, Organized by PG and Research Department of Biotechnology, St. Joseph college, Tiruchirappalli - 620 024, Tamil Nadu, India.
9. Attended Two days national workshop on **Intellectual Property Rights** held on March 3 & 4<sup>th</sup> 2016, Organized by Department of Botany, at Bharathiar University, Coimbatore, Tamil Nadu, India.
10. Attended Two day workshop on **Plant Molecular Farming – III** held on July 27 & 28<sup>th</sup> 2016, Organized by Department of Biotechnology, Bharathiar University and Institute for Infection & Immunity, St. George's University of London at Bharathiar University, Coimbatore, Tamil Nadu, India.
11. Attended Seven day National workshop on **Computational Approaches to Drug Discovery** held on December 13<sup>th</sup> to 19<sup>th</sup> 2017, Organized by Department of Bioinformatics, Central University of Pondicherry, Pondicherry, India.
12. Participated in one day awareness program on **Antibiotic Awareness** organized by, Department of Microbiology, Bharathidasan University Tiruchirappalli, Tamilnadu, India – 620 024, on 15<sup>th</sup> November 2017
13. Participated in one day special workshop on **Memory Enhancement** organized by, Department of Microbiology, Bharathidasan University Tiruchirappalli, Tamilnadu, India – 620 024, on 20<sup>th</sup> February 2018.
14. Participated in one day workshop on Plant **Tissue Culture and Photochemistry** organized by, Department of Botany, Bharathidasan University Tiruchirappalli, Tamilnadu, India - 620 024, on 21<sup>st</sup> March 2018.
15. Participated in two days Science Academics Lecture Workshop on **Current Scenario in Microbiology and Biotechnology** organized by Department of Microbiology, Bharathidasan University, Tiruchirappalli, Tamilnadu on 17<sup>th</sup> and 18<sup>th</sup> July 2018.
16. Participated in a Director of Collegiate Education Kerala, sponsored Two day workshop on **GST – its impact on accounting and financial reporting**, Organized by Department of Commerce, Govt. Arts and Science College, Kozhinjampara, Nattukal, Palakkad, Kerala on 27<sup>th</sup> & 28<sup>th</sup> September 2018.
17. Act as a **Resource Person** for the **Two Days Hands on Training National Level Workshop on HPLC, FT-IR, DNA Isolation and Sequencing** held at Sree Narayana College, Nattika, Thrissur, Kerala, on 28 & 29<sup>th</sup> January 2019.
18. Attended a three days **Capacity Building Training to Teachers of Collegiate Education Department** held on February 14<sup>th</sup> -16<sup>th</sup> 2019 in Institute of Management in Government, IMG regional center Kochi – 682 030, Kerala, India.

19. Attended a three days **Training on Pedagogy and Psychology for Teaching Staffs of Collegiate Education Department** held on May 27<sup>th</sup> - 29<sup>th</sup> 2019 in Institute of Management in Government, IMG regional center Kochi – 682 030, Kerala, India.
20. Participated in **One Month Faculty Induction Program** (Orientation Program) held on August 25<sup>th</sup> – Sep 23<sup>rd</sup> 2021 Conducted by HRDC – Calicut University – Kerala, India.
21. Participated in **Two week Refresher course on Multi Inter / Multi-Disciplinary – Teacher Educators – Learning Outcome and Educational Reform- Pedagogy, Assessment and Quality Assurance** held on February 15<sup>th</sup> – Feb 28<sup>th</sup> 2022 Conducted by HRDC – Kannur University – Kerala, India.

#### **ORGANIZING SKILLS AND MEMBERSHIP**

- ❖ Member of the interview committee for the selection of Assistant professor in Microbiology for St. Pius' X college, Rajapuram, Kasargod, Kerala – Dec 2023.
- ❖ Board of studies member of Microbiology subject for the autonomous college: Majlis Arts and Science College, Puramannur, Kerala - Dec 2023.
- ❖ Member of the Board of Studies for the subject **“Medical Microbiology & Medical Biochemistry under faculty of Medicine (Single Board)”** Under Calicut University. U.O.No. 1781/2020/Admn Dated, Calicut University. P.O, 11.02.2020.
- ❖ Member of the Board of Studies for the subject **“Medical Microbiology & Medical Biochemistry under faculty of Medicine (Single Board)”** Under Calicut University. U.O.No. U.O.No. 6444/2023/Admn Dated, Calicut University.P.O, 11.04.2023 onwards.
- ❖ Organized (Organizing Secretary) a **one day National Seminar** on **“Current Scenario in Life Science Research (CSLSR – 2019)”** on 31<sup>st</sup> October 2019 at Department of Microbiology, Govt. Arts and Science College Kozhinjampara, Nattukal, Palakkad, Kerala – 678554.
- ❖ Organized (Organizing Secretary) a **Two day National Seminar** on **“Sustainable Future through Microbial Innovations)”** on 12<sup>th</sup> and 13<sup>th</sup> October 2023 at Department of Microbiology, Govt. Arts and Science College Kozhinjampara, Nattukal, Palakkad, Kerala – 678554.

- ❖ Member of Syllabus revision committee: **PG Programmes in Affiliated Colleges - Curriculum and Syllabus revision** for the Academic year 2023-202. Under **Kannur University**: Acad/CL/27246/2079 Dated: 16.02.2023
- ❖ Organized one day "Blood Donation Camp" with scholars and student community of Bharathidasan University, Tiruchirappalli.
- ❖ Organized "Intercollegiate Fest" (Cenitterz) in the year 2013, 2014 and 2017 with students community Department of Microbiology, BDU, Tiruchirappalli.
- ❖ Act as an invigilator for the off stage events of BDU FEST 2015, Tiruchirappalli.
- ❖ Member in BDU Blood Donor Team, Bharathidasan University, Tiruchirappalli.
- ❖ Member in Chit Chat Club, Department of Microbiology, Bharathidasan University.
- ❖ Member in Compulsory Social Service (CSS), Govt. Arts and Science College, Nattukal, Calicut University, Kerala (2006 - 2009).
- ❖ Member in Environmental and Nature club, Govt. Arts and Science College, Kozhinjampara, Nattukal, Palakkad, Kerala.

#### **STUDENT PROJECTS SANCTIONED FOR FUNDING**

- ❖ Student project scheme (2019), from Kerala State Council for Science Technology and Environment (**00510/SPS64/2019 - KSCSTE**). **Dr. Robert Antony A (PI)** and **Princy P.K** (M.Sc Microbiology, GASCK, March 2020). Synthesis of silver nanoparticles using yeast flavanoids and their antibacterial effects against some common food pathogens.
- ❖ Student project scheme (2021), from Kerala State Council for Science Technology and Environment (**00519/SPS 65/2021/ KSCSTE**). **Dr. Robert Antony A (PI)** and **Aiswarya R** (M.Sc Microbiology, GASCK, October 2021). Biodiversity and industrial applications of mangroove microbiomes collected from coastal regions of Kerala.

#### **PH.D WORKS ONGOING (AS A GUIDE)**

1. **Mrs. Priya Prasanna Kumar** (FT to PT) - **Evaluation of the Antibacterial and Anticancer Activities of Plants called Dasapushpam.** (06.10.2022 to 05.10.2028) - U.O.No. 20484/2022/Admn Dated, Calicut University.P.O, 29.10.2022.
2. **Mrs. Sruthi M** (FT) - **Production of Polyhydroxyalkanoate (PHA) from Marine Bacteria by using Various Substrates.** (21.11.2022 to 20.11.2028.) - U.O.No. 23850/2022/Admn Dated, Calicut University.P.O, 21.12.2022

3. **Mrs. Ameena I (PT) - Xylanolytic Microorganisms from Western Ghats as Emerging Green Catalysts for Biofuels Production and Enhanced Biowaste Degradation.** (14.03.2023 to 13.03.2029.) - U.O.No. 14766/2023/Admn Dated, Calicut University.P.O, 23.09.2023.

#### **PH.D WORKS ONGOING (AS A CO-GUIDE)**

1. **Mrs. Jisha P J (PT) - Bioprospecting and Molecular Characterization of Laccase Producing Soil Microorganisms** under Dr. Emmanuel Simon, Department of Life Sciences, Calicut University.
2. **Mrs. Vincy K Kalampalath (FT) - Evaluation of Anti-quorum Sensing Activity of Some Medicinal Plants against Gram Negative Bacteria** under Dr. Emmanuel Simon, Department of Life Sciences, Calicut University.
3. **Mrs Bindu E (FT) - Screening, Isolation and Optimization of Microbes for their Production of Arginine Deiminase Enzyme** under Dr. Emmanuel Simon, Department of Life Sciences, Calicut University.

#### **STUDENTS PROJECTS COMPLETED B.Sc Microbiology**

1. Vyshnavi, Jenita, Mancia and Alisha (B.Sc Microbiology, GASCK, March 2019). **Isolation and purification of lysozyme from Japanese quail egg and its antibacterial effects on some common Gram positive bacterial species.**
2. Saritha, Safna, Priya and Rahul (B.Sc Microbiology, GASCK, March 2020). **Isolation and characterization of hydrocarbon utilizing bacteria from diesel contaminated soil.**
3. Ashmitha, Akshay, Shabeer Rahiman and Suchithra (B.Sc Microbiology, GASCK, July 2021). **Different Microbiological Studies during COVID-19 Period.**
4. Aiswarya, Arathi, Sarika Manoj, Siddharth and Thafseena (B.Sc Microbiology, GASCK, April 2022). **Isolation of heavy metal resistant and plant growth promoting rhizobacteria from heavy metal contaminated soil.**
5. Sneha M, Sneha S Kumar, Srilakshmi S, Vaishali S K and Vima V (B.Sc Microbiology, GASCK, April 2023). **Isolation and identification of exopolysaccharide producing bacteria for fruits and vegetable coating to enhance the shelf – life.**

- 6 Mridula M, Nikhitha R, Salabha DS and Shini C (B.Sc Microbiology, GASCK, April 2023). **Isolation and identification of exopolysaccharide producing bacteria and its antibacterial efficiency against common pathogens.**

#### STUDENTS PROJECTS COMPLETED (M.Sc Microbiology)

1. **Princy P.K** (M.Sc Microbiology, GASCK, March 2020). Synthesis of silver nanoparticles using yeast flavanoids and their antibacterial effects against some common food pathogens.
2. **Arunima C.B** (M.Sc Microbiology, GASCK, August 2021). Isolation, identification and characterization of probiotic bacteria from tender coconut water for fermentation products.
3. **Prajith K.** (M.Sc Microbiology, GASCK, August 2021). Effect of different hand sanitizers on different bacteria during Covid 19 period.
4. **Rishana** (M.Sc Microbiology, GASCK, August 2021). Isolation, identification and optimization of lipase producing bacteria from coconut oil mill.
5. **Aiswarya R** (M.Sc Microbiology, GASCK, Aug 2022). Isolation, Identification and Characterization of Amylase Producing Bacteria from Mangrove Environment in Kerala.
6. **Lynn Maria Bhasi P** (M.Sc Microbiology, GASCK, Aug 2022). Isolation, Identification and Characterization of Heavy Metal Resistant Bacteria for Plant Growth Promotion
7. **Athira V** (M.Sc Microbiology, GASCK, Aug 2023). Isolation and Identification of dye degrading bacteria and its effect on plant growth promotion.

#### NCBI SUBMISSIONS

1. Durga Devi R, Rajesh Kannan V, **Robert Antony A** and Chandru S. (2014). KJ754543/16S rRNA/***Staphylococcus arlettae*** IV86 RRD10, Partial Sequence.
2. Tamilarasi P, **Robert Antony A** and Rajesh Kannan V (2014). KM881714/16S rRNA ***Pseudomonas aeruginosa* strain IX135**, partial sequence.
3. **Robert Antony A** and Rajesh Kannan V (2015). KR133629/16S rRNA/***Alcaligenes faecalis* RBL1**, partial sequence.
4. **Robert Antony A** and Rajesh Kannan V (2015). KR133630/16S rRNA/***Alcaligenes faecalis*RBL2**, partial sequence.
5. **Robert Antony A** and Rajesh Kannan V (2015). KR133631/16S rRNA/***Alcaligenes faecalis*RBL3**, partial sequence.

6. **Robert Antony A** and Rajesh Kannan V (2015). KR133632/16S rRNA/**Pseudobacterium asaccharolyticum RBL4**, partial sequence.
7. **Robert Antony A** and Rajesh Kannan V (2015). KR133633/16S rRNA/**Acetobacter pasteurianus RBL1**, partial sequence.
8. Revathy B, **Robert Antony A** and Velu Rajesh Kannan (2016). KR133633/16S rRNA/**Bacillus thuringiensis**RR40, partial sequence.
9. Revathy B, **Robert Antony A** and Velu Rajesh Kannan (2016). KR133633/16S rRNA/**Bacillus cereus**RR41, partial sequence.
10. Krishna Priya M, Yoga Priya R, **Robert Antony A** and Rajesh Kannan (2017).MG576404/ 16S rRNA/ **Bacillus aryabhatai RBL42**, partial sequence.
11. Yoga Priya R, Krishna Priya M, **Robert Antony A** and Rajesh Kannan (2017).MG576405/ 16S rRNA/ **Bacillus licheniformis RBL42**, partial sequence.
12. Arunima C.B, Rishana, Prajith R and **Robert Antony A** (2021). CP054440/ 16S rRNA/ **Staphylococcus saprophyticus**, partial sequence.
13. Rishana, Arunima C.B M, Prajith R and **Robert Antony A** (2021). MZ713085/ 16S rRNA/ **Serratia rubedaea**, partial sequence.
14. **Robert Antony A**, Aiswarya and Lynn Maria Bhasi (2022). ON150837/ 16S rRNA/ *Bacillus flexus* GASCK MS0, partial sequence.
15. **Robert Antony A**, Lynn Maria Bhasi and Aiswarya (2022). ON150775/16S rRNA/ *Bacillus zanthoxyli* GASCKHM1 partial sequence.
16. **Robert Antony A**, Lynn Maria Bhasi P, Aiswarya R, Sarika M, Aiswarya S, Arathi M, Thafseena K and Sidharath A.M (2022). ON150840/16S rRNA/ *Bacillus aryabhatai* GASCKHM2, partial sequence.
17. **Robert Antony A**, Mridula M, Nikhitha R, Salabha DS and Shini C (2023). OQ740292/ 16S rRNA/ *Bacillus drentensis* GASCKEPS2 partial sequence.
18. **Robert Antony A**, Sneha M, Sneha S Kumar, Srilakshmi S, Vaishali S K and Vima V (2023). OQ740288/ 16S rRNA/ *Bacillus subtilis* GASCKEPS1 partial sequence.
19. **Robert Antony A**, Athira V (2023). OQ740288/ 16S rRNA/ *Bacillus subtilis* GASCKEPS1 partial sequence.



## TEACHING/GUIDING EXPERIENCE DURING DOCTORAL PROGRAM

1. Worked as a skilled person for post graduate students in the field of **Virology** (M.Sc., Microbiology 2<sup>nd</sup> Semester) during 2014, 2015, 2016 and 2017 at Department of Microbiology, Bharathidasan University, Tiruchirappalli.
2. Worked as a skilled person for M.Sc., Integrated Life Science students in the field of **Microbial Diversity** (1<sup>st</sup> Semester) during 2014, 2015, 2016 and 2017 at Department of Life Sciences, Bharathidasan University, Tiruchirappalli.
3. Worked as a tutor for the +2 student during entrance coaching in the field of **Medical** during 2012, at MAP education, Kasargod, Kerala.
4. Worked as guide for the several M.Sc project students in the last 4 years in all microbiology fields.

## EXTRA CURRICULAR ACTIVITIES/ AWARDS/ PRIZES

1. Best off stage participant in Calicut University level arts competition on 2009.
2. Won several times 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> places in story writing, essay writing, versification and elocution in Tamil language at University, District, College and School level.
3. Won first prize in mime acting at college level competition on UG, 2007.
4. Got third place in district level during S.S.L.C examination on 2004.
5. Won 3<sup>rd</sup> prize in oral presentation at national conference, at Thiagarajar College Madurai.

## REFERENCES

**Dr. V. RAJESH KANNAN**

**Professor and HOD**

Rhizosphere Biology Laboratory  
Department of Microbiology,  
Bharathidasan University,  
Tiruchirappalli – 620024  
E-mail: [uvrajesh@gmail.com](mailto:uvrajesh@gmail.com)  
Mobile No. +91-94437 93036

**Dr. BABY RAJEEVAN**

**Professor and Principal**

Govt. Arts and Science College  
Kozhinjampara, Nattukal, Palakkad,  
Kerala - 678554  
E-mail id: [principalgasck@gmail.com](mailto:principalgasck@gmail.com)  
Mobile: +91-9495889173

**Dr. DENOJ SEBASTIAN**

**Professor**

Microbiology  
Department of Life Sciences,  
Calicut University,  
Malappuram – 673635  
E-mail: [denojs@gmail.com](mailto:denojs@gmail.com)  
Mobile No. +91-97444 44361

-----  
I hereby declare that the above-mentioned details are true to the best of my knowledge.

**Yours faithfully**  
**Dr. ROBERT ANTONY A**

Assistant Professor  
Department of Microbiology  
Govt. Arts and Science College Kozhinjampara, Nattukal, Palakkad, Kerala.