

FACULTY PROFILE

Name of the Staff : **Dr. AROCKIA JOHN PAUL J**
Official Address : Assistant Professor
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Personal Details:

Age : 46
Date of Birth : 08/05/1978
Sex & Marital Status : Male & Married
Citizenship : IND
Department : ZOOLOGY
Date of Joining : 25/09/2013

Qualification:

Degree	Programme and Specialization	Class/CGPA	Month & Year of Passing	Institute/University
Ph.D	Zoology	Highly Commended	11/2005	Gandhigram Rural Institute
M.Sc	Zoology	68	04/2000	APA College/ Madurai Kamaraj University
B.Sc	Zoology	65	04/1998	GTN Arts College /Madurai Kamaraj University

Professional Experience:

Teaching Experience:

Designation	Institute/University	Period		Nature of Duties
		From	To	
Assistant Professor	Arumugam Pillai Seethai Ammal College	25/09/2013	02/09/2024	Teaching Research

Other Academic Credentials:

S.No	Title
1	Post Graduate Diploma in Microbial Biotechnology

Area of specialization:

S.No	Title
1	Vermitechnology
2	Waste Management
3	Nanotechnology

Course Taught:

S.No	Course Title	U.G. or P.G
1	Invertebrata,Animal Physiology,Vermiculture,Fermentation Technology,Cell Biology,Heritage and Tourism,National Cadet Corps,Cytogenetics,Microbiology and Immunology	U.G

H-Index:

Research Gate	Google Scholar	Scopus	Web Of Science
12	14	10	10

Development or Training Activity:**Organized:**

S.No	Role	Title	Period		No. of Participants	Course Type	Type of Program
			From	To			
1	Organizing Secretary	Overview of Emerging Infectious diseases and its control measures	27/06/2020	27/06/2020	331		Inter National Webinar
2	Convener	Quorum Sensing: A great therapeutic choice for the development of antimicrobial agents	24/06/2020	24/06/2020	280		Inter National Webinar
3	Organizer	National Scientific Temper Day	25/08/2023	25/08/2023	150		Intercollegiate Programme
4	Organizer	Sparrow nest preparation	25/03/2022	25/03/2022	120		Workshop
5	Organizer	Preservation of Zoological Specimens-2021	02/03/2021	02/03/2021	40		Workshop

Attended:

S.No	Title	Period		Venue	Course Type	Type of program
		From	To			
1	Orientation Programme	06/11/2014	03/12/2014	Bharathiar University, Coimbatore	Orientation Programme	Orientation Programme
2	BioScience	26/10/2017	15/11/2017	Bharathidasan University, Tiruchirappalli	Refresher Course	Refresher Course
3	Managing online classes and co-creating MOOCs	20/04/2020	06/05/2020	Online, Ramanujan College, University of Delhi	FDP	FDP
4	Zoology	18/11/2020	01/12/2020	University of Madras, Chennai	Refresher Course	Refresher Course
5	Biological Science	05/07/2022	18/07/2022	Bharathidasan University, Tiruchirappalli	Refresher Course	Refresher Course

S.No	Title	Period		Venue	Course Type	Type of program
		From	To			
6	Environmental Studies	15/11/2023	28/11/2023	Madurai Kamaraj University, Madurai	Refresher Course	Refresher Course
7	International Regulatory Requirement in Clinical Trial and Data Management	24/07/2023	28/07/2023	Alagappa University, Karaikudi		FDP
8	In-service teacher training programme in "Life Science"	12/05/2022	13/05/2022	Mother Teresa Women's University, Kodaikanal		In-service teacher training programme
9	Innovative and Emerging Trends in Botany-2019	06/11/2019	07/11/2019	Alagappa University, Karaikudi		International Conference
10	Molecular Advances in Biomedical Research	09/02/2018	10/02/2018	Nehru Memorial College, Puthanampatti, Trichy		International Conference
11	Biovision -2014 - Recent trends and future perspectives of biosciences	05/09/2014	06/09/2014	Arumugam Pillai Seethai Ammal College, Tiruppattur		National Seminar
12	Molecular Physiology, Therapeutics and Experimental Medicine	24/07/2019	24/07/2019	Alagappa University, Karaikudi		International Conference
13	Western Ghats: Threats and Conservation	17/10/2018	17/10/2018	The American College, Madurai		National Conference
14	Recent Trends in Microbiology	20/12/2016	20/12/2016	Alagappa University, Karaikudi		International Conference
15	Conservation of Natural Resources	17/09/2016	17/09/2016	Nehru Memorial College, Puthanampatti, Trichy		International Conference
16	Molecular Physiology, Therapeutics and Experimental Medicine	06/09/2016	06/09/2016	Alagappa University, Karaikudi		International Workshop
17	New Frontiers and Innovative Trends in Biosciences	03/09/2016	03/09/2016	J.J. College of Arts and Science, Pudukkottai		National Conference
18	Advances in Biological and Environmental Sciences	26/02/2016	26/02/2016	Gandhigram Rural Institute-Deemed University, Gandhigram		National Conference
19	Emerging Trends in Management of Infectious Diseases & Public Health	05/02/2016	05/02/2016	Mohamed Sathak College of Arts and Science, Chennai		National Conference

Expert Lecture Delivered/Judge:

S.No	Title	Period		Venue
		From	To	
1	Acted as Evaluator for student's science project for 29th National children Science Congress	19/12/2021	19/12/2021	Thiruppattur

S.No	Title	Period		Venue
		From	To	
2	Social and cultural practices for ecosystem and health	16/08/2023	18/08/2023	Arumugam Pillai Seethai Ammal College, Tiruppattur
3	Social and cultural practices for ecosystem and health	19/09/2022	19/09/2022	Arumugam Pillai Seethai Ammal College, Tiruppattur
4	Traditional Knowledge Systems	22/09/2021	22/09/2021	Arumugam Pillai Seethai Ammal College, Tiruppattur
5	Traditional Knowledge Systems	30/07/2019	01/08/2019	Arumugam Pillai Seethai Ammal College, Tiruppattur
6	Traditional Knowledge Systems	24/07/2018	26/07/2018	Arumugam Pillai Seethai Ammal College, Tiruppattur
7	Traditional Knowledge Systems	05/10/2017	06/10/2017	Arumugam Pillai Seethai Ammal College, Tiruppattur
8	Traditional Knowledge Systems	26/07/2016	26/07/2016	Arumugam Pillai Seethai Ammal College, Tiruppattur
9	Impact of human activities on weather and climate	18/09/2015	18/09/2015	Arumugam Pillai Seethai Ammal College, Tiruppattur

Other Credentials:

S.No	Title
1	EDITOR IN INTERNATIONAL JOURNAL-Serving as editor in International Journal of Current Science Research.
2	EDITORIAL BOARD MEMBER IN INTERNATIONAL JOURNALS-Served as editorial advisory board member in
3	REVIEWER IN INTERNATIONAL JOURNALS- African Journal of Agricultural Research; African Journal of
4	REVIEWER IN INTERNATIONAL JOURNALS- Journal Environmental Research – Elsevier; International Journal
5	Microbial/Earthworm Sequences Deposited in GENE BANK - 18
6	Accompanying B. Sc., Zoology students on field visits, bird census and extension activities to villages.
7	CHAIR PERSON IN SEMINARS - 1. Inter National Conference on “Molecular Physiology, Therapeutics and
8	CHAIR PERSON IN SEMINARS - 2. Inter National Conference on “Conservation of Natural Resources”,
9	CHAIR PERSON IN SEMINARS - 3. National Conference on “Emerging Trends in Management of
10	Online FDP and Webinar Participation during lockdown period- 64

Awards:

S.No	Title
1	Best oral paper presentation in National Conference on 26th February, 2016.

Research Achievements:

International Journal Publications:

S.No	Title of the Paper	Name of the Journal	Vol.No & Page No.	Month & Year	Current Status
1	Greener production of compost from agricultural biomass residues amended with mule dung for agronomic application	Chemosphere	208 2	02/2022	Published
2	Impact of biosynthesized CuO nanoparticles on seed germination and cytophysiological responses of <i>Trigonella foenum-graecum</i> and <i>Vigna radiata</i>	Materials Letters	313	04/2022	Published
3	Evaluation of hepato and renal protective effect of synthesized nanoparticles using <i>Tinospora cordifolia</i> leaf extract	Materials Letters	312	01/2022	Published
4	Efficacy of dye degradation of contaminated soil microbial isolates	Materials Today: Proceedings	36 (2) & 167-170	03/2020	Published
5	Vermiremediation of urban and agricultural biomass residues for nutrient recovery and vermifertilizer production	Waste and Biomass Valorization	11 & 6483-6497	12/2019	Published
6	Green synthesis of zinc sulfide nanoparticles using <i>Abrus precatorius</i> and its effect on coelomic fluid protein profile and enzymatic activity of the earthworm, <i>Eudrilus eugeniae</i> .	Bionanoscience.	10: 149-156.	11/2019	Published
7	Phytochemical Screening, GC-MS and FTIR analysis of Bioactive Compounds in Methanolic Leaf Extracts of <i>Costus igneus</i> (CIMLE) as a Natural Source of Drug Lead Molecules for Next-generation Drug-design, Development and Therapeutics	Journal of Drug Delivery and Therapeutics	12(5-S):142-155	10/2022	Published
8	Vermiconversion of biowastes with low-to-high C/N ratio into value added vermicompost.	Bioresource Technology	297:1-8	11/2019	Published
9	Vermicomposting of paper industry sludge with cowdung and green manure using the earthworm <i>Eisenia fetida</i> : A viable option for cleaner and enriched vermicompost production	Journal of Cleaner Production	228: 718-728.	08/2019	Published
10	Seaweeds as bioresources for Vermicompost production using the earthworm <i>Perionyx excavatus</i> (Perrier).	Bioresource Technology	275: 394-401.	03/2019	Published
11	Vermistabilization of seaweeds using an indigenous earthworm species, <i>Perionyx excavatus</i> (Perrier).	Ecological Engineering.	130:23-31	05/2019	Published
12	Assessment of Earthworm Diversity and Pesticide Toxicity in <i>Eudrilus Eugeniae</i> .	Environmental Chemistry and Ecotoxicology.	3: 23-30.		Published

S.No	Title of the Paper	Name of the Journal	Vol.No & Page No.	Month & Year	Current Status
13	Comparative study of biochemical responses in three species of earthworms exposed to pesticide and metal contaminated soil.	Environmental Processes	3(1): 167-178.	01/2016	Published
14	Changes in the protein profiling of earthworms cultured in toxic substrates.	Gedrag & Organisatie Review.	33: 2513-2523	03/2020	Published
15	Biosynthesis of silver nanoparticles from <i>Premna serratifolia</i> L. leaf and its anticancer activity in CCl ₄ induced hepato-cancerous Swiss albino mice.	Applied Nanoscience	5(8): 937-944.	01/2015	Published
16	Vermicomposting of municipal solid waste with an epigeic earthworm, <i>Eisenia fetida</i> .	International Multidisciplinary Innovative Research Journal	2(2): 61-75.	05/2018	Published
17	Analyzing the Efficacy of Phosphate Solubilizing Microorganisms by Enrichment Culture Techniques	Biochemistry & Molecular Biology Journal	3(1): 1-7.	01/2017	Published
18	Biodiversity and vermicomposting potential of indigenous earthworm resources of Sivagangai District.	International Journal of Advanced Research in Biological Sciences.	4(1): 173-180	01/2017	Published
19	Coelomic fluid protein profiling and heavy metal accumulation of three earthworms after exposure to pesticide and metal stress.	International Journal of Advanced Multidisciplinary Research	3(2): 84-91.	02/2016	Published
20	Cellulolytic efficiency of forest litter microflora isolated from Sirumalai Hills of Dindigul District.	Asian Journal of Science and Applied Technology	4(1): 5-9.	05/2015	Published
21	Composting of pressmud using microbial inoculants isolated from earthworm gut.	International Journal of Current Research in Biosciences and Plant Biology	1(4): 52-60.	11/2014	Published
22	Influence of organic solid wastes in vermicultural properties of the epigeic earthworm, <i>Eisenia fetida</i>	International Journal of Advanced Research in Biological Sciences	1(8): 242-247	11/2014	Published

National Conference Publications:

S.No	Title of the Paper	Name of the Conference	Organizer	Month & Year
1	Assessment of vermicultural characteristics of an exotic earthworm, <i>Eisenia fetida</i> in different organic wastes.	Biovision -2014 - Recent trends and future perspectives of biosciences	Arumugam Pillai Seethai Ammal College, Tiruppattur	03/2015

Book/ Chapters Publishing:

S.No	Title Of The Book	Name Of The Publisher	Type	Year Of Publishing
1	In: Strengthening the participation of youth in environment protection /Vermiculture - a tool for eradicate pollution and unemployment.	Global Publications, Tamilnadu	National	2016

Ph.D. Guidance:

S.No	Research Scholar Name	Research Area	Year	Mode of Research
1	Nil	Nil	0001	

M.Phil. Guidance:

S.No	Research Scholar Name	Research Area	Year	Mode of Research
1	Pamila Lourdhu Jeyanthi. R.	Municipal solid waste management of Karaikudi- A class I town	2017	Part Time
2	Raja Krishnan, K.N.	Utilization of organic wastes for vermicompost preparation and evaluation of their nutrient contents	2017	Part Time

M.Phil. Guidance:**Sponsored Research:****National Agency:**

S.No	Title of the Project	Sponsored Agency	Year		Funding Amount	Role	Current Status
			From	To			
1	Documentation of RAPD profile of indigenous earthworm resources of Sivagangai District	UGC- SERO	2015	2017	5.0	Principal investigator	Completed

Innovation and Intellectual Property:**Patent:**

S.No	Date of Filing Main Application	Title of the Invention	Name of the Inventors	Month & Year	Patent Number	Field of Invention	Description of the Invention
1	15/07/2023	Advanced Breast Cancer Detection System	James Arockia John Paul	02/2024	390418-001	Cancer Biology	Designed a kit for the detection of early diagnosis of Breast Cancer

Outside World Interaction and Consultancy:**National & International Interaction:**

S.No	Title of the lecture	Institution which lecture delivered	Month & Year
1	Advances in Economic Zoology	Alagappa University, Karaikudi	09/2022
2	Sericulture and Apiculture – A source of Employment Generation	Alagappa University, Karaikudi	03/2021

S.No	Title of the lecture	Institution which lecture delivered	Month & Year
1	Scope and Marketing of Vermicompost	Alagappa University, karaikudi	03/2018
2	Vermicompost preparation	Alagappa University, Karaikudi	03/2017
3	Vermitechnology: Waste reduction and employment generation	Raja Serfoji Govt. College, Thanjavur	02/2016
4	Vermitechnology for self-employment	Raja Serfoji Govt. College, Thanjavur	03/2014
5	Advances in Business Skills in Zoology	Alagappa University, karaikudi	02/2023

Other Contribution work to the Institute/Organization:

S.No	Name	Role	Period		Nature of Duties
			From	To	
1	IQAC	Member	08/13/2019	06/08/2024	IQAC work
2	Research and Development cell	Member	06/20/2022	02/09/2024	Research
3	Minority Welfare Committee	Convener	06/23/2021	29/04/2023	Convener
4	Capability Enhancement Scheme	Member	06/19/2023	30/04/2024	Member
5	Dr. Salim Ali Nature Club	Member	06/22/2016	30/04/2019	Member
6	Medicinal Plants Park	Member	06/18/2014	30/04/2019	Member