



**Dr. A. Arun**

**Associate Professor and Head (i/c)**

### Contact

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**Academic Qualifications: M.Sc., M.Phil., Ph.D., PGDCA**

**Teaching Experience: 17 years**

**Research Experience: 17 Years**

## **Additional Responsibilities**

1. Head of the Department (i/c)
2. Coordinator- Journal club Department of Microbiology, Alagappa University, Karaikudi.
3. Member – Coaching scheme for NET exam- , UGC schemes, Alagappa University, Karaikudi, Aug, 2016
4. Editor in Chief- ALU-Micro Fanzine, Departmental Magazine, Department of Microbiology, Alagappa University, Karaikudi.
5. Deputy Coordinator- Cultural club- Department of Microbiology, Alagappa University, Karaikudi.
6. Convener- Department Research Committee - Department of Microbiology, Alagappa University, Karaikudi.
7. Convener- Department purchase Committee - Department of Microbiology, Alagappa University, Karaikudi.
8. Convener- Department IQAC Committee - Department of Microbiology, Alagappa University, Karaikudi.
9. Convener- Department student affairs and counseling - Department of Microbiology, Alagappa University, Karaikudi.

## **Areas of Research**

- **Bioenergy**
- **Microbial fuel cell**
- **Bioremediation**
- **Biomass and Bioplastic**

## **Research Supervision / Guidance**

Program of Study		Completed	Ongoing
Research	Ph.D.	-	7
	M.Phil.	6	1
Project	PG	47	6
	UG / Others	-	-

## Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
10	40	3	25	22

**Cumulative Impact Factor (as per JCR) : 19.648**

**h-index : 7**

**i10 index : 5**

**Total Citations : 193**

## Funded Research Projects

### Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	DST-SERB	Nov 2013	Nov 2016	Sequential Two-Stage Fermentation Process Producing Biohydrogen And Bioplastic (PHB) From Industrial Wastes	20.5
2	UGC	March 2004	March 2005	Production of Poly hydroxybutyrate by using various industrial wastes	0.8

3	UGC	March 2009	March 2011	Polycyclic Aromatic Hydrocarbons (PAHs) Biodegradation by the Wild Basidiomycetes Fungi, Bacterial Isolates from Oil Spilled Soil, and their co-cultures: Comparative <i>In Vivo</i> and <i>In Silico</i> Approach	7.028
4	TNSCST	2002		Utilization of different industrial wastes for the production of biopolymer (Polyhydroxy butrate) by using <i>Ralstonia eutropha</i>	0.05
5	FLORA	2003		Microbial power generation by using marine sea mud – sea water interface and dairy industry waste – sea water interface	0.05
6	TNSCST	2004		Comparison and calibration of microbial power generation by utilizing biowaste	0.05
7	TNSCST	2005		Bio degradation of PAH by oil degrading bacteria	0.05
8	TNSCST	2007	2008	Comparative study on cyclosporine production by actinomycetes in liquid state and solid state conditions	0.05
9	TNSCST	2009	2010	A decolourization study of textile dye using ligninolytic enzyme of basidiomycetes fungi	0.05
10	TNSCST	2010	2011	Biohydrogen production by using keratin degraded effluent	0.05
11	TNSCST	2012	2013	Carbon sequestration (Flue gas utilisation) biohydrogen and biodiesel production using algal isolates	0.1

### Ongoing Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	UGC	01.06.2015	01.06.2018	Biodegradable plastic (Poly – $\beta$ – Hydroxybutyrate) production by marine microorganisms isolated from Tamilnadu coastal area	14.8
2	AURF	2017	2019	Utilization of Pedalium Murex for Biodiesel and Silver Nanoparticles Production	3.0
3	MBAI	2017	2018	Study on the enhancement of bioelectricity production by marine bacteria	0.2

### Consultancy Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	TNPCB	2008	2009	Microbial analysis of vaigai river	1.0

### Distinctive Achievements / Awards

1. Young scientist award – DST-SERB-YSS
2. Radio talk - About microbial Power generation in AIR- Madurai
3. Travel grant (Rs 1, 17,383/- by DBT (DBT/CTEP/02/201600307 dated Apr 1, 016) to attend International Conference on Environmental science and Technology. Paper title: Anaerobic and subsequent photosynthetic process for biohydrogen and Bioplastic (PHB) production at Houston, US, American academy of sciences, Texas, Houston, USA; June 06-10, 2016.
4. Travel grant (Rs10,000/-) by Centre for International Co-operation in Science (CICS) – (DO\Lr.\TF-V\2015-16 dated 3.2.16) to attend 5<sup>th</sup> annual International Conference on sustainable energy and environmental sciences-2016 (SEES 2016) at Singapore

organized by Global science and technology forum, Singapore (GSTF); 22- 23Feb, 2016.

### Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: 15

1. International – 02
2. National – 06
3. State level – 08
4. Regional/others – 01

#### Detail:

1. Coordinator in National work shop on recent techniques in Biotechnology sponsored by DBT, CSIR and TNSCST. Thiagarajar College, Madurai. 23<sup>rd</sup> Feb – 11<sup>th</sup> March 2005
2. Organizing Committee member in National Seminar on Environmental Biotechnology: Opportunities & Challenges sponsored by CSIR (Govt. of India), Thiagarajar College, Madurai, Feb 22<sup>nd</sup> – 23<sup>rd</sup> 2007.
3. Organizing Committee member in State Level Intercollegiate Student Seminar on Global Warming, Thiagarajar College, Madurai, 28<sup>th</sup> Feb, 2008.
4. Organizing Committee member in State Level Student Seminar on Evolution – From Molecules to Mankind, Thiagarajar College. 26<sup>th</sup> Feb, 2009.
5. Organizing Committee member in State Level Intercollegiate Students' Seminar on Emerging and Re-Emerging infectious diseases – Global trend and Challenges under UGC Autonomy Grant, , Thiagarajar College Madurai,, 23<sup>rd</sup> Sep, 2009
6. Organizing Committee member in State Level Intercollegiate Students' Seminar on Man & Environment under UGC Autonomy Grant, Thiagarajar College, 26<sup>th</sup> Feb, 2010.
7. Organizing Committee member in State Level Intercollegiate Students' Seminar on Microbial Diversity – Exploring the unexplored, Thiagarajar College, 6<sup>th</sup> Oct, 2010

8. Organizing Committee member in State Level Intercollegiate Students' Seminar on Mining the microbes: a new frontier for natural products under UGC Autonomy Grant, Thiagarajar College, 23<sup>rd</sup> Feb, 2011
9. Organizing Committee member in State Level Intercollegiate Students' Seminar on Climate Change: A Global scenario under UGC Autonomy Grant, Thiagarajar College, 26<sup>th</sup> Sep, 2011
10. Organizing Committee member in First regional conference on Bioresources under UGC Autonomy Grant, Thiagarajar College, 5<sup>th</sup> Mar, 2012.
11. Organizing Committee member in National Seminar cum Workshop on Molecular Informatics and Drug Designing (MIDD-2012) sponsored by UGC, TNSCST & DBT, Thiagarajar College, 19-21<sup>st</sup> Mar, 2012.
12. Organizing Committee member in State Level Intercollegiate Students' Seminar on Biological Control under UGC Autonomy Grant, Thiagarajar College, 26<sup>th</sup> Sep, 2012.
13. Organizing Committee member in International Conference on recent trends in Biosciences (ICRTB 2016). Biosciences Departments, Alagappa University, Karaikudi, April 7-09,2016
14. Convenor and Organizing Secretary - National level Workshop on Gas Chromatography, Organized by Department of Microbiology, Alagappa University held on 15.12.2016.
15. Convenor - International Conference on Recent Trends in Microbiology, Organized by Department of Microbiology, Alagappa University held on 20.12.2016-21.12.2016.
16. Convenor and Organizing Secretary - UGC Sponsored National level Conference on Trends in Microbiology, Organized by Department of Microbiology, Alagappa University held on 27.09.2017.

## Events Participated

### Conferences / Seminars / Workshops: 50

S.No	Detail	Place	Date
1.	Training in medical Microbiology Lab	Meenakshi Mission Hospital and Research Center, Madurai	15th July – 14th Sep- 1998. (Two Months)
2.	Crash course on applied biology – An update	K.S.R. College of Arts & Science, Tiruchengode.	10th – 11 <sup>th</sup> October, 1998
3.	Paper presented- International Conference on Frontiers in Fungal Biotechnology and plant Pathogen Relations. Paper Entitled: Bio-control of <i>Fusarium sp</i> and <i>Ramularia sp</i> (Cotton pathogens) by antagonistic fungal Isolates.	Department of Botany, Osmania University, Hyderabad-500 007	16-18 Jan,1999
4.	State Level Seminar on Food Processing	Yadava College, Madurai	13 – 25 Aug, 2000
5.	Symposium on Biotechnology at the turn of the millennium	Anna University, Chennai.	4 <sup>th</sup> and 5 <sup>th</sup> Feb, 2002
6.	Teacher competence enhancement programme	Thiagarajar College, Madurai	22nd – 29 <sup>th</sup> Nov, 2005 (Eight days)
7.	Spectrophotometric analysis (UV-Vis)	Advance Training Institute, Ministry of Labour, Directorate General of Employment & Training, Chennai	21-25 April 2003 (Five Days)
8.	Electrophoresis techniques	The Electrophoresis Institute, Yerkaud	12-17th Dec 2003(6days)
9.	Chromatographic analysis (Gas chromatography)	Advance Training Institute, Ministry of Labour, Directorate General of Employment & Training, Chennai	22-26 Nov 2004 (Five Days)
10.	Modern instrumental methods of analysis	Central electrochemical research institute, Karaikudi	26.9.05 – 1.10.05 (Seven days)
11.	Paper presented- National conference on forest biodiversity resources :Exploitation, conservation and management	Centre for biodiversity and forest studies, Madurai Kamaraj university, Madurai	21 – 22 March, 2006



	Paper Entitled: A Preliminary Survey on the Basidiomycetes Diversity of Thandigudi Hills of Western Ghats		
12.	Paper presented in International conference on Mushroom biology and Biotechnology. Paper Entitled: Comparative Polycyclic Aromatic Hydrocarbons (PAHs) – Biodegradation Potential of Co-cultures Involving Mushroom Fungi and a <i>Pseudomonas</i> Isolate Recovered from Oil spilled Soil	National research centre for Mushroom, Solan, H.P.	Feb 10 - 11, 2007.
13.	Paper presented in International conference on Mushroom biology and Biotechnology. Paper Entitled: Comparative Polycyclic Aromatic Hydrocarbons (PAHs) – Biodegradation Potential of Co-cultures Involving Mushroom Fungi and a <i>Pseudomonas</i> Isolate Recovered from Oil spilled Soil	National research centre for Mushroom, Solan, H.P.	Feb 10 - 11, 2007.
14.	Molecular genetics methods in diabetic retinopathy	Aravind eye research institute Madurai	4th – 14th Feb 2008 (Ten days)
15.	Class room communication skills enhancement training	Thiagarajar College, Madurai	11 <sup>th</sup> Nov, 2008
16.	Work shop on electron microscopy	Central electrochemical research institute, Karaikudi	31.7.09- 01.8.09 (2days)
17.	Work shop on Molecular diagnostic methods for ocular and systemic pathogens	Aravind medical research foundation, Madurai	31 <sup>st</sup> Oct –4 <sup>th</sup> Nov, 2011 (5 days)
18.	International workshop on Bioremediation	BITS Pilani Campus, Goa campus and Rutgers – The state University of New Jersey, USA	4 <sup>th</sup> -16 <sup>th</sup> January, 2010 (12 days)
19.	Training Programme on “Educational Ethos” organized by NAAC-IQAC	Thiagarajar College, Madurai	29 <sup>th</sup> Mar, 2012
20.	Panel Discussion on Online Examination	Thiagarajar College, Madurai	6 <sup>th</sup> Sep, 2012

21.	7 papers presented National Conference on Emerging Trends and New Challenges in Biotechnology – A Multidisciplinary approach (NCETNCB 2013)	Dept. of Biotechnology, MGR college, Hosur, Tamilnadu	24 <sup>th</sup> and 25 <sup>th</sup> of January 2013
22.	Paper presented- International Conference on Recent Advances in Textile and Electrochemical sciences-2013 (RATES-2013). Paper Entitled: Bioplastic production by marine microbes	Department of Industrial Chemistry, Alagappa University, Karaikudi.	21 <sup>st</sup> – 23 <sup>rd</sup> Mar, 2013
23.	International workshop on Frontier Areas in Chemical Technologies (FACTs-2014)	Department of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu	21-22 <sup>nd</sup> Feb, 2014
24.	7 papers presented - 2 <sup>nd</sup> National Conference on Emerging Trends and New Challenges in Biotechnology – A Multidisciplinary approach (NCETNCB 2014)	Dept. of Biotechnology, MGR college, Hosur, Tamilnadu	19 and 20 Feb., 2014
25.	2 Papers presented- International conference on environmental biotechnology and biodiversity (EBIO-2014).	Department of Chemical engineering, AU college of Engineering(A), Andhra University, Visakhapatnam	3-4 <sup>th</sup> Mar, 2014
26.	Participated in University-Industry interface meet-II	Industry, consultancy cell and centre for University business collaboration, Alagappa University, Karaikudi, Tamilnadu	28 <sup>th</sup> April, 2014
27.	UGC sponsored orientation program	Academic staff college, Madurai Kamaraj University, Madurai	2-29 <sup>th</sup> Sep, 2014 (24 days)
28.	3 Papers presented- International conference on Modern Progress in Biotechnology. Straw and Husk Hydrolysates	Bharathidasan Institute of technology (BIT), Anna University, Tiruchirappalli	9-10 <sup>th</sup> Oct, 2014
29.	Attended in World Standards Day (WSD-2014)	Department of Nanoscience and Technology, Alagappa University, Karaikudi, Tamilnadu	14 <sup>th</sup> Oct, 2014
30.	Paper presented: International conference on green energy & green environment. Paper	Department of Microbiology & Biochemistry, Nadar	21 <sup>st</sup> Jan, 2015

	Entitled: Microbial biodiesel production	Saraswathi College of arts and science,Theni, Tamil Nadu	
31.	Work shop on Metrohm Autolab Electrochemical instruments for Biosensor, Energy and corrosion applications	Department of Bioelectronics and Biosensors, Alagappa University-Karaikudi	16 <sup>th</sup> Feb, 2015
32.	8 papers presented - 3 <sup>rd</sup> National Conference on Emerging Trends and New Challenges in Biotechnology – A Multidisciplinary approach (NCETNCB 2015)	Dept. of Biotechnology, MGR college, Hosur, Tamilnadu	24 <sup>th</sup> of February 2015
33.	4 Papers presented- Bioprocessing India 2015. Paper Entitled: Isolation, Identification of Biohydrogen producing microbes and Optimization of Substrate and pH using dairy industrial waste.	Department of Biotechnology, IIT Madras, Chennai,	17-19 <sup>th</sup> Dec, 2015
34.	Participated – 8 <sup>th</sup> national symposium cum workshop on recent trends in structural bioinformatics and computer aided drug design.	Department of Bioinformatics, Alagappa University, Karaikudi	16-19, Feb,2016
35.	Paper presented- 5 <sup>th</sup> annual International Conference on sustainable energy and environmental sciences-2013 (SEES 2016). Paper Entitled: Poly cyclic aromatic hydrocarbons Biodegradation : Role of ligninolytic enzymes	Global science and technology forum, Singapore (GSTF)	22– 23Feb, 2016
36.	Paper presented- 5 <sup>th</sup> annual International Conference on sustainable energy and environmental sciences-2013 (SEES 2016). Paper Entitled: RSM based optimization of Bioethanol production by <i>Zymomonas mobilis</i> using orange waste and Mahula flower as substrate	Global science and technology forum, Singapore (GSTF)	22– 23Feb, 2016
37.	Paper presented -International Conference on Energy, Environment & Engineering - ICEEE-2016. Paper Entitled: Subsequent Keratinolysis and	Department of Chemistry and Department of Mechanical Engineering, Coimbatore institute of Technology, Coimbatore	Feb 29, Mar.1 &2,2016

	Biohydrogen Production.		
38.	3 Papers presented- International Conference on recent trends in Biosciences (ICRTB 2016).	Biosciences Departments, Alagappa University, Karaikudi	April 7-09,2016
39.	Paper presented - International Conference on Environmental science and Technology. Paper title: Anaerobic and subsequent photosynthetic process for biohydrogen and Bioplastic (PHB) production.	American academy of sciences, Texas, Houston, USA	June 06-10,2016
40.	Paper presented - International Conference on Recent advances in modern medicine: Molecular signaling scenarios in tissues and diseases- RAMM 2016. Paper title: Exploring antibacterial drug from AGNPs of <i>Pedaliium murex</i> - Medicinal plant extract.	Research and Development wing, Sree Balaji Medical College, (Bharath University(BIHER)) Chennai	3 and 4 <sup>th</sup> Sep,2016
41.	Attended - International Workshop on “Molecular Physiology, Therapeutics and Experimental Medicine”	Department of Animal Health and Management and Department of Bioinformatics, Alagappa University, Karaikudi	6 & 7 <sup>th</sup> Sep, 2016
42.	Participated in the Faculty Development Program – Accreditation Preparedness Engagement	Internal quality assurance cell, Alagappa University, Karaikudi	18 - 23 <sup>th</sup> Sep, 2016
43.	Paper presented - International Conference on New horizons. Emerging challenges recent paradigms in food mediated immunity and their role in human health and longevity. Paper title: Degradation and detoxification of aflatoxin B1 by isolate of lactic acid bacteria	Department of Immunology, The American College, Madurai	31 <sup>st</sup> Aug-1 <sup>st</sup> Sep 2016
44.	17 Papers presented - International Conference of Recent Trends in Microbiology (RTM – 2016).	Department of Microbiology, Alagappa University, Karaikudi, India	20 and 21 <sup>st</sup> Dec, 2016
45.	Participated in Faculty development (Enrichment) program – Accreditation Quality	Internal quality assurance cell, Alagappa University,	6-12 <sup>th</sup> Jan, 2017

	Enhancement	Karaikudi	
46.	Paper presented- National Conference on Emerging Strategies in Green Textiles and Sustainable Fashion (NCESGTSF-2017). Title: Textile dye decolorization and biodiesel production by <i>Scenedesmus obliquus</i> .	Alagappa Institute of skill development, Alagappa University, Karaikudi, India	10 – 11 Jan,2017
47.	Faculty Enrichment Program	Alagappa University, Karaikudi, India	10.1.17 and 12.1.17
48.	Attended – National Seminar on “ Nanomaterials for specialized application” (NMSA – 2017) and Worlds standard day	Department of Nanoscience and Technology, Alagappa University, Karaikudi, India	10.2.17
49.	9 Papers presented - International Conference of Renewable Energy Science and Technology (ICREST – 2017).	Department of Energy Science, Alagappa University, Karaikudi, India	10 and 11 <sup>th</sup> March, 2017
50.	2 days Training programme on Business Resources of solid waste management through vermicomposting	Department of Animal Health & Management and University Business Collaboration Centre, Alagappa University	14 and 15 <sup>th</sup> March, 2017

### Overseas Exposure / Visits

1. Visited Singapore to present a research paper in 5<sup>th</sup> annual International Conference on sustainable energy and environmental sciences-2016 (SEES 2016) at Singapore organized by Global science and technology forum, Singapore (GSTF); 22–23Feb, 2016.
2. Visited America to present a research paper in International Conference on Environmental science and Technology. Paper title: Anaerobic and subsequent photosynthetic process for biohydrogen and Bioplastic(PHB) production at Houston, US, American academy of sciences, Texas, Houston, USA; June 06-10,2016

### Membership in

#### Professional Bodies

1. Life Member: Association of Microbiologists of India (Life Membership No. 1354/2001).

2. Life Member: American Society for Microbiology (Membership ID: 56653553)

### **Editorial Board**

1. Blue Biotechnology Journal - Nova Science Publishers, Inc. United States of America.
2. Journal of Cell Science & Molecular Biology - Open Science Publications- India- 10.8.13
3. Editor, Alagappa University Journal of Biological Sciences (AUJBS), Alagappa University, Karaikudi
4. Editorial Board Member, Multidisciplinary journal, The Thassim Beevi Abdul Kader College for Women, Kilakarai- 20.2.17.

### **Advisory Board**

#### **Academic Bodies (such as Board of Studies etc.,)**

1. Board of studies member in Microbiology- The Thassim Beevi Abdul Kader College for Women, Kilakarai- 2005
2. Board of studies member in Microbiology- The Madura college, Madurai- 2010-12
3. Subject Expert- Board studies in M.Sc Biotechnology- National centre for Excellence, Thiagarajar College, Madurai- 2015
4. Board of studies member in Microbiology- Dept. of Microbiology, Alagappa University, Karaikudi- 2016 (07.03.2016 – 06.03.2019)
5. Member- Inspection commission of Alagappa University, For M.Sc Microbiology programme commencement at Thassim beevi abdul kader college, Kilakarai, Ramanathapuram, 2016.
6. Member- Inspection commission of Alagappa University, For B.Sc Microbiology programme commencement at Syed Ammal Arts and Science College, Ramanathapuram. 2016
7. Inspection Team Member to visit M/s. Annai Khadeeja Arts and Science College, Edaiyathimangalam road, Kandanivayal, Manamelkudi Taluk, Pudukottai District

and assess the infrastructure and institutional facilities available for offering of B.Sc Nutrition and Dietetics Programme through Collaborative mode of Alagappa University, 2016

8. Subject Expert- Board studies in M.Sc Biotechnology- National centre for Excellence, Thiagarajar College, Madurai, 2016.
9. Subject Expert- Board studies in B.Sc Nutrition and Dietetics - Annai Khadeeja Arts and Science College, Edaiyathimangalam road, Kandanivayal, Manamelkudi Taluk, Pudukottai District, 2016.
10. Chair person- Board of studies in B.Sc Microbiology and B.Sc Microbiology & Clinical lab technology for academic year 2017-18 to 2019-20. Umayal Ramanathan College,, Karaikudi, 2016.
11. Chair person- Board of studies in B.Sc Microbiology in Syed Hameedha Arts and Science College, Kilakarai, 2016.
12. Chair person- Board of studies in M.Sc Microbiology in ALU affiliated colleges, Kilakarai on December 2016
13. Subject Expert- Board studies in M.Sc Biotechnology- National centre for Excellence (MHRD), Thiagarajar College, Madurai- 18.4.17
14. Expert, Member of Inspection committee to give affiliation to B.Sc Microbiology at Vidhyaa Giri college of arts and science, Pudukottai on 28.4.17

### **Others**

1. Reviewer in reputed journals like Bioresource technology, Process Biochemistry, Applied Biochemistry and Biotechnology, Applied Microbiology and Pedosphere.
2. External examiner- M.Phil Zoolgy, Thiagarajar College, Madurai-. 4.8.16
3. Chairman- M.Sc Microbiology question paper setting, Apr,2016.Bharathidasan University, Trichy- 1.3.16
4. Appointed as question paper setter for PG, The Madura College (Autonomous), Madurai - 14.03.2016.

5. External Examiner, Syed Hameedha arts and science college, Kilakarai. 29.3.16-31.3.16.
6. Member, Board of the examiner, PG Microbiology project, Lady doak college , Madurai. 4.4.16
7. Special Invitee, standing committee of academic affairs, Alagappa University, Karaikudi on 3.6.16
8. Member, Board of Ph.D viva in Biochemistry, Madurai Kamaraj University centre- Centre for research in Medical entomology, Madurai on 29.6.16
9. External examiner- M.Phil Biotechnology, MGR college, Hosur. 26.7.16
10. External examiner- M.Phil Microbiology question paper setting, Bharathidasan University, Trichy- 20.9.16
11. Chairman- University rank examination question paper setting, Bharathidasan University, Trichy- 26.9.16
12. Chairman- M.Sc Microbiology question paper setting, Nov, 2016. Bharathidasan University, Trichy- 26.9.16
13. Special Invitee, standing committee of academic affairs, Alagappa University, Karaikudi on 3.10.16
14. External Examiner- M.Sc Biotechnology, Thiagarajar College, Madurai – 625 009- 21.10.16
15. External Examiner, Dr.Umayal Ramanathan Womens college, Karaikudi – 24.10.16 27.10.16 & 31.10.16
16. Special Invitee, senate meeting, Alagappa University, Karaikudi on 25.11.16
17. Chairman of Valuation board for M.Sc., Microbiology, Alagappa University
18. Research Inspection committee member to visit Aravind Medical Research Foundation (AMRF), 2016.



19. Chairman of Valuation board for M.Phil Microbiology Examination- ALU, December 2016 – 20.12.2016
20. Research Inspection committee member to visit Pasumpon Thiru Muthuramalinga Thevar Memorial College, Kamudhi, 2016.
21. Chairman- M.Sc Microbiology question paper setting, April,2017.Bharathidasan University, Trichy- 16.2.17
22. Visiting faculty, Department of Microbiology, The Thassim Beevi Abdul Kader College for Women, Kilakarai- 20.2.17
23. Special Invitee, standing committee of academic affairs, Alagappa University, Karaikudi on 23.2.17
24. Academic Auditor to evaluate M.Sc Microbiology revised syllabus (2017-2020), Thiagarajar College, Madurai- 28.2.17
25. Reviewer- Project proposal submitted to DST-SERB
26. Member, National Advisory committee, International conference on Renewable energy science and technology (ICREST – 2017) , Organized by Department of Energy Science, Alagappa University, Karaikudi
27. Examiner - Paper evaluation- B.Voc course , Alagappa University
28. Member of Inspection committee – DDE learning centre- Bargur- 10.5.17.
29. Squad member of DDE exam May 17- Ambasamudram, Surandai, Tenkasi and Alangulam
30. Special Invitee, senate meeting, Alagappa University, Karaikudi on 21.7.17
31. Member of selection committee for selecting Assistant professor in Microbiology at Central University of Tamilnadu on 1.7.17
32. Stock verification Officer, Department of English, Alagappa University, Karaikudi- 24.7.17

33. Chairman- M.Sc Microbiology question paper setting, Nov, 2017. Bharathidasan University, Trichy- 8.8.17.
34. Appointed as a question paper setter for Feb. 2018 for M.Phil Degree Examination, Bharathidasan University, Tiruchirappalli – 23.08.2017.
35. Appointed as member of the Board of Examiner for Nov. 2017 PG examination, Lady Doak College (Autonomous), Madurai – 14.09.2017.
36. Served as Convener and Organizing Secretary in UGC Sponsored National Seminar on “Trends in Microbiology” (NCTM-2017), organized by Department of Microbiology, Alagappa University held on 27th September 2017.
37. Reviewed – DST-SERB Project proposal entitled “Antidiabetic and Antioxidant activities of probiotic Lactobacillus spp. Isolated from indigenous healthy human gut flora and North Indian fermented food” submitted by Sukhraj Kaur, Assistant Professor, Dept. of Microbiology, Guru Nanak Dev University, Amristar, Punjab (File No: EMR/2017/005212) on 17.10.2017.
38. Member - Data collection committee - IQAC, Alagappa University, Karaikudi, 30.10.17
39. Special Invitee – standing committee on academic affairs meeting, Alagappa University, Karaikudi, 30.10.17.

### **Resource persons in various capacities**

Number of Invited / Special Lectures delivered: 24

### **Others**

1. Articles published in Newspapers / Magazines : 0
2. No. of PhD Thesis evaluated : 01
3. No. of PhD Public Viva Voce Examination conducted : 01
4. Sequences submitted in GenBank – 37

## Sequence submitted in GenBank

1. **Arun,A.**, Karthika, Nithyakalyani, Karthicksundaram and Balashankar. *Bacillus subtilis* strain Bio AA1 16S ribosomal RNA gene, partial sequence. LOCUS: FJ966219 1401 bp DNA linear BCT 27-MAY-2009.
2. **Arun,A.**, Karthika, Nithyakalyani, Karthicksundaram and Balashankar. *Bacillus sp.* Bio AA2 16S ribosomal RNA gene, partial sequence. LOCUS FJ966220 1466 bp DNA linear BCT 27-MAY-2009
3. **Arun,A.**, KarthickSundaram, Balashankar, Nithyakalyani and Karthika. *Bacillus subtilis* strain Bio AA3 16S ribosomal RNA gene, partial sequence. LOCUS FJ966221, 1448 bp DNA linear BCT 27-MAY-2009
4. **Arun,A.**, KarthickSundaram, Balashankar, Karthika and Nithyakalyani. *Bacillus subtilis* strain Bio AAF1 16S ribosomal RNA gene, partial sequence. LOCUS FJ966222, 1450 bpDNAlinear BCT 27-MAY-2009.
5. **Arun,A.**, Nithyakalyani, Karthika, Balashankar and KarthickSundaram. *Bacillus subtilis* strain Bio AAS1 16S ribosomal RNA gene, partial sequence. LOCUS FJ966223, 1408 bp DNA linear BCT 27-MAY-2009.
6. Eyini, **Arun,A.**, Arthi,S., Shobana and Ananthi. *Bacillus pumilus* 16S ribosomal RNA gene, partial sequence. LOCUSFJ750449, 486 bp DNA linear BCT 14-MAR-2009.
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