



Dr. A. Arun

Associate Professor and Head (i/c)

Contact

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Alagappa University
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Date of Birth : 10-06-1977

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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

1. Bioenergy
2. Microbial fuel cell
3. Bioremediation
4. Biomass and Bioplastic

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	-	8
	M.Phil.	5	1
Project	PG	47	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
9	42	3	29	21

Cumulative Impact Factor (as per JCR) :	13.648
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 - β - Hydroxybutyrate) production by marine microorganisms isolated from Tamilnadu coastal area	14.8

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 5th 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 – 04
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. 23rd Feb – 11th March 2005
2. Organizing Committee member in National Seminar on Environmental Biotechnology: Opportunities & Challenges sponsored by CSIR (Govt. of India), Thiagarajar College, Madurai, Feb 22nd – 23rd 2007.
3. Organizing Committee member in State Level Intercollegiate Student Seminar on Global Warming, Thiagarajar College, Madurai, 28th Feb, 2008.
4. Organizing Committee member in State Level Student Seminar on Evolution – From Molecules to Mankind, Thiagarajar College. 26th 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,, 23rd Sep, 2009
6. Organizing Committee member in State Level Intercollegiate Students' Seminar on Man & Environment under UGC Autonomy Grant, Thiagarajar College, 26th Feb, 2010.
7. Organizing Committee member in State Level Intercollegiate Students' Seminar on Microbial Diversity – Exploring the unexplored, Thiagarajar College, 6th 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, 23rd Feb, 2011

9. Organizing Committee member in State Level Intercollegiate Students' Seminar on Climate Change: A Global scenario under UGC Autonomy Grant, Thiagarajar College, 26th Sep, 2011
10. Organizing Committee member in First regional conference on Bioresources under UGC Autonomy Grant, Thiagarajar College, 5th 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, 19-21st Mar, 2012.
12. Organizing Committee member in State Level Intercollegiate Students' Seminar on Biological Control under UGC Autonomy Grant, Thiagarajar College, 26th 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.

Events Participated

Conferences / Seminars / Workshops: 44

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 th 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 th and 5 th Feb, 2002
6.	Teacher competence enhancement programme	Thiagarajar College, Madurai	22 nd – 29 th 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 Paper Entitled: A Preliminary Survey on the Basidiomycetes Diversity of Thandigudi Hills of Western Ghats	Centre for biodiversity and forest studies, Madurai Kamaraj university, Madurai	21 – 22 March, 2006
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	National research centre for Mushroom, Solan, H.P.	Feb 10 - 11, 2007.

	Recovered from Oil spilled Soil		
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 th Nov, 2008
16.	Work shop on electron microscopy	Central electrochemical research institute, Karaikudi	31.7.09- 01.8.09 (2days)
17.	International workshop on Bioremediation	BITS Pilani Campus, Goa campus and Rutgers – The state University of New Jersey, USA	4 th -16 th January, 2010 (12 days)
18.	Training Programme on “Educational Ethos” organized by NAAC-IQAC	Thiagarajar College, Madurai	29 th Mar, 2012
19.	Panel Discussion on Online Examination	Thiagarajar College, Madurai	6 th Sep, 2012
20.	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 th and 25 th of January 2013

21.	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 st – 23 rd Mar, 2013
22.	International workshop on Frontier Areas in Chemical Technologies (FACTs-2014)	Department of Industrial Chemistry, Alagappa University, Karaikudi, Tamilnadu	21-22 nd Feb, 2014
23.	7 papers presented	2 nd 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
24.	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 th Mar, 2014
25.	Participated in University- Industry interface meet-II	Industry, consultancy cell and centre for University business collaboration, Alagappa University, Karaikudi, Tamilnadu	28 th April, 2014
26.	UGC sponsored orientation program	Academic staff college, Madurai Kamaraj University, Madurai	2-29 th Sep, 2014 (24 days)

27.	3 Papers presented- International conference on Modern Progress in Biotechnology. Straw and Husk Hydrolysates	Bharathidasan Institute of technology (BIT), Anna University, Tiruchirappalli	9-10 th Oct, 2014
28.	Attended in World Standards Day (WSD-2014)	Department of Nanoscience and Technology, Alagappa University, Karaikudi, Tamilnadu	14 th Oct, 2014
29.	Paper presented: International conference on green energy & green environment. Paper Entitled: Microbial biodiesel production	Department of Microbiology & Biochemistry, NadarSaraswathi College of arts and science,Theni, Tamil Nadu	21 st Jan, 2015
30.	Work shop on Metrohm Autolab Electrochemical instruments for Biosensor, Energy and corrosion applications	Department of Bioelectronics and Biosensors, Alagappa University-Karaikudi	16 th Feb, 2015
31.	8 papers presented	3 rd National Conference on Emerging Trends and New Challenges in Biotechnology – A Multidisciplinary approach (NCETNCB 2015) Dept. of Biotechnology, MGR college, Hosur, Tamilnadu	24 th of February 2015
32.	Effect of Chloroform treatment in biohydrogen production	3 rd National Conference on Emerging Trends and New Challenges in Biotechnology – A	24 th of February 2015

		Multidisciplinary approach (NCETNCB 2015) Dept. of Biotechnology, MGR college, Hosur, Tamilnadu	
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 th Dec, 2015
34.	Participated – 8 th 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 th 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 th annual International Conference on sustainable energy and environmental sciences-2013 (SEES 2016). Paper Entitled: RSM based optimization of Bioethanol production by	Global science and technology forum, Singapore (GSTF)	22– 23Feb, 2016

	<i>Zymomonas mobilis</i> using orange waste and Mahula flower as substrate		
37.	Paper presented -International Conference on Energy, Environment & Engineering - ICEEE-2016. Paper Entitled: Subsequent Keratinolysis and Biohydrogen Production.	Department of Chemistry and Department of Mechanical Engineering, Coimbatore institute of Technology, Coimbatore	Feb 29, Mar.1 &2,2016
38.	3 Papers presented- International Conference on recent trends in Biosciences (ICRTB 2016). Paper Entitled: Anaerobic process for biohydrogen and bioplastic (PHB) production using dairy industry waste	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.	Attended - International Workshop on “Molecular Physiology, Therapeutics and Experimental Medicine”	Department of Animal Health and Management and Department of Bioinformatics, Alagappa University,	6 & 7 th Sep, 2016

		Karaikudi	
41.	<p>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</p>	<p>Department of Immunology, The American College, Madurai</p>	<p>31st Aug-1st Sep 2016</p>
42.	<p>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>Pedalium murex</i>- Medicinal plant extract.</p>	<p>Research and Development wing, Sree Balaji Medical College, (Bharath University(BIHER)) Chennai</p>	<p>3 and 4th Sep,2016</p>
43.	<p>Papers presented - International Conference of Recent Trends in Microbiology (RTM – 2016). Title: Corncob particle size assessment for xylose enrichment and xylitol production using yeast</p>	<p>Department of Microbiology, Alagappa University, Karaikudi, India</p>	<p>20 and 21st Dec, 2016</p>
44.	<p>Faculty Enrichment Program</p>	<p>Alagappa University, Karaikudi, India</p>	<p>10.1.17 and 12.1.17</p>

Overseas Exposure / Visits

1. Visited Singapore to present a research paper in 5th 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

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, Kandanimayal, Manamalkudi 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, Kandanimayal, Manamalkudi 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.

Others

1. Reviewer in reputed journals like Bioresource technology, Process Biochemistry, Applied Biochemistry and Biotechnology, Applied Microbiology and Pedosphere.
2. Chairman- M.Sc Microbiology question paper setting, Apr,2016.Bharathidasan University, Trichy- 1.3.16
3. Member, Board of the examiner, PG Microbiology project, Lady doakcollege , Madurai. 4.4.16
4. Special Invitee, standing committee of academic affairs, Alagappa University, Karaikudi on 3.6.16
5. External examiner- M.Phil Microbiology question paper setting, Bharathidasan University, Trichy- 20.9.16
6. Chairman- University rank examination question paper setting, Bharathidasan University, Trichy- 26.9.16
7. Chairman- M.Sc Microbiology question paper setting, Nov,2016.Bharathidasan University, Trichy- 26.9.16
8. Special Invitee, standing committee of academic affairs, Alagappa University, Karaikudi on 3.10.16
9. External Examiner- M.Sc Biotechnology, Thiagarajar College, Madurai – 625 009- 21.10.16
10. External Examiner, Dr.Umayal RamanathanWomens college, Karaikudi – 24.10.16 27.10.16 & 31.10.16
11. Special Invitee, senate meeting, Alagappa University, Karaikudi on 25.11.16
12. Chairman of Valuation board for M.Sc., Microbiology, Alagappa University
13. Research Inspection committee member to visit Aravind Medical Research Foundation (AMRF), 2016.

14. Chairman of Valuation board for M.Phil Microbiology Examination- ALU, December 2016 – 20.12.2016
15. Research Inspection committee member to visit Pasumpon Thiru Muthuramalinga Thevar Memorial College, Kamudhi, 2016.
16. Reviewer- Project proposal submitted to DST-SERB

Resource persons in various capacities

Number of Invited / Special Lectures delivered: 20

Others

1. No. of PhD Thesis evaluated : 01
2. No. of PhD Public Viva Voce Examination conducted : 01
3. Sequences submitted in GenBank – 29

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.
7. **Arun,A.**, Shobana, Arthi,S. and Ananthi. *Bacillus cereus* 16S ribosomal RNA gene, partial sequence. LOCUS FJ750450 461 bp DNA linear BCT 14- MAR-2009.
8. **Arun,A.**, Arthi,S., Immanuel,c. and Eyini. *Bacillus cereus* isolate MC1 16S ribosomal RNA gene, partial sequence. LOCUS EU735070, 481 bp DNA linear BCT 17-JUN-2008.
9. **Arun,A.**, Arthi,S., Immanuel,C. and Eyini. *Bacillus mycooides* isolateMR716S ribosomal RNA gene, partial sequence. LOCUS EU735071, 461 bp DNA linear BCT 17-JUN-2008.
10. Veeramanikandan,V., Mrudula,S. and **Arun,A.** *Aeromonas sp.* B4 16S ribosomal RNA gene, partial sequence. LOCUS GQ505370621, bp DNA linear BCT 30-SEP-2009.
11. Veeramanikandan,V., Mrudula,S. and **Arun,A.** *Arthrobacter sp.* B3(2009) 16S ribosomal RNA gene, partial sequence. LOCUS GQ505369, 951 bp DNA linear BCT 30-SEP-2009.
12. Veeramanikandan,V., Mrudula,S. and **Arun,A.** *Pseudomonas sp.* B2(2009) 16S ribosomal RNA gene, partial sequence. LOCUS GQ505368, 681 bp DNA linear BCT 30-SEP-2009.
13. Veeramanikandan,V., Mrudula,S. and **Arun,A.** *Pseudomonas sp.* B1(2009) 16S ribosomal RNA gene, partial sequence. LOCUS GQ505367, 558 bp DNA linear BCT 30-SEP-2009.
14. **Arun, A.**, Dinesh, G., and Satheesh Kumar, R. *Pseudomonas aeruginosa.* ANF2 (2015) 16S ribosomal RNA gene, partial sequence. LOCUS KR809373, 1463 bp DNA linear BCT 26-OCT-2015.
15. **Arun, A.**, Dinesh, G., and Satheesh Kumar, R. *Bacillus cereus.* ANA3 (2015) 16S ribosomal RNA gene, partial sequence. LOCUS KR809374, 1505 bp DNA linear BCT 26-OCT-2015.

16. **Arun, A.**, Satheesh Kumar, R and Dinesh, G. *Acinetobacter junii*. AH4 (2015) 16S ribosomal RNA gene, partial sequence. LOCUS KR809375, 51452 bp DNA linear BCT 26-OCT-2015.
17. **Arun, A.**, Satheesh Kumar, R and Dinesh, G. *Bacillus thuringiensis*. FH1 (2015) 16S ribosomal RNA gene, partial sequence. LOCUS KR809376, 1469 bp DNA linear BCT 26-OCT-2015.
18. **Arun, A.**, Satheesh Kumar, R and Dinesh, G. *Klebsiella pneumoniae*. FA2 (2015) 16S ribosomal RNA gene, partial sequence. LOCUS KR809377, 1458 bp DNA linear BCT 26-OCT-2015.
19. **Arun, A.**, Satheesh Kumar, R and Dinesh, G. *Comamonas testosteroni*. FB1 (2015) 16S ribosomal RNA gene, partial sequence. LOCUS KR809378, 1554 bp DNA linear BCT 26-OCT-2015.
20. **Arun, A.**, Satheesh Murugan, R and Dinesh, G. *Bacillus thuringiensis*. RH1 (2016) 16S ribosomal RNA gene, partial sequence. LOCUS KU901700, 1493 bp DNA linear BCT 04-APR-2016.
21. **Arun, A.**, Satheesh Murugan, R and Dinesh, G. *Bacillus aerophilus*. RH2 (2016) 16S ribosomal RNA gene, partial sequence. LOCUS KU902032, 1491 bp DNA linear BCT 04-APR-2016.
22. **Arun, A.**, Satheesh Murugan, R and Dinesh, G. *Bacillus cereus*. SB2 (2016) 16S ribosomal RNA gene, partial sequence. LOCUS KU902033, 1504 bp DNA linear BCT 04-APR-2016.
23. Jeyakanthan, J., Mohan Rasu, K., Boobalan, T., Dinesh, G.H., Mariadasse, R., Suresh Lingam, T. and **Arun, A.** *Psathyrella candolleana*. isolate JJAA1 (2016) internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence.. LOCUS KX022942, 653 bp DNA linear BCT 26-APR-2016.
24. Jeyakanthan, J., Mohan Rasu, K., Boobalan, T., Dinesh, G.H., Mariadasse, R., Suresh Lingam, T. and **Arun, A.** *Psathyrella candolleana*. isolate JJAA2 (2016) internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence.. LOCUS KX022943, 681 bp DNA linear BCT 26-APR-2016.

25. Jeyakanthan, J., Mohan Rasu, K., Boobalan, T., Dinesh, G.H., Mariadasse, R., Suresh Lingam, T. and **Arun, A.** *Coprinus sterquilinus*. isolate JJAA3 (2016) internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence.. LOCUS KX022944, 637 bp DNA linear BCT 26-APR-2016.
26. Mohan Rasu, K., Dinesh, G. and **Arun, A.** *Acutodesmus obliquus*. Isolate 1 (2016) small subunit ribosomal RNA gene, partial sequence. LOCUS KX169274, 1536 bp DNA linear BCT 16-JUL-2016.
27. Mohanrasu, K., Dinesh, G. and **Arun, A.** *Acutodesmus obliquus*. Isolate 2 (2016) small subunit ribosomal RNA gene, partial sequence. LOCUS KX169275, 1570 bp DNA linear BCT 16-JUL-2016.
28. Sathish, R., Dinesh, G. and **Arun, A.** *Bacillus beringensis*. AARAT1 (2016) 16S ribosomal RNA gene, partial sequence. LOCUS KX169276, 1100 bp DNA linear BCT 16-JUL-2016.
29. Nagalakshmi, M., Karuppuchamy, S., **Arun, A.**, Satheeshmurugan, R. and Dinesh,G.H. *Rummeliibacillus pycnus*. M1 (2016) 16S ribosomal RNA gene, partial sequence. LOCUS KX576661, 1327 bp DNA linear BCT 31-JUL-2016.

Recent Publications

1. C. Pothiraj, **A. Arun**, M. Eyini, (2015): Simultaneous saccharification and fermentation of cassava waste for ethanol production”, *Biofuel Research Journal*, 5, 196-202. Green Wave Publishing of Canada, Canada (indexed in Web of Science).
2. **A. Arun**, M. Eyini; Comparative studies on lignin and polycyclic aromatic hydrocarbons degradation by basidiomycetes fungi; *Bioresource Technology*. 102, 2011, 8063–8070.Elsevier Publication (**IF- 5**).
3. **A. Arun**, R. Arthi, V. Shanmugabalaji, M. Eyini; Microbial production of poly - β - hydroxybutyrate by marine microbes isolated from various marine environment. *Bioresource Technology*. 100, 2009, 2320–2323. Elsevier Publication (**IF- 5**)

4. **A. Arun, A.** P. PraveenRaja, R. Arthi, M. Ananthi, K. Sathish Kumar, M. Eyini; Polycyclic Aromatic Hydrocarbons (PAHs) Biodegradation by Basidiomycetes Fungi, *Pseudomonas* Isolate, and Their Cocultures: Comparative In Vivo and In Silico Approach. *Appl Biochem Biotechnol*. 151,2008, 132–142. Springer Publication **(IF- 2)**
5. R. Saravanan, **A. Arun,** S. Venkatamohan, Jegadeesan, T. Kandavelu Veeramanikandan; 2010. Membraneless dairy wastewater-sediment interface for bioelectricity generation employing sediment microbial fuel cell (SMFC). *African Journal of Microbiology Research*. 4(24), 2010, 2640-2646. Academic Journals **(IF- 0.539)**.
6. **Arun. A,** Rm, Murrugappan, David Ravindran, Veeramanikandan, Shanmugabalaji; Utilization of various industrial wastes for the production of poly hydroxy butyrate by *Alcaligenes eutrophus*. *African Journal of Biotechnology*. 5 (17), 2006, 1524-1527. Academic Journals Academic Journals **(IF- 0.57)**.
7. **A. Arun,** M. Jothibas, R. Vigneshwari, G. H. Dinesh, K. Mohan Rasu, G. Siva Prakash, R. Satheesh Murugan, (2015), “Biological Corrosion Inhibition of Steel Alloy by Pani Nano Fiber”, *African Journal of Microbiology Research*. 9(12), 886-891. Academic Journals **(IF-0.539)**.
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9. **Alagarsamy Arun,** M. Eyini, M. Jothibas and Mohanrasu Kulanthaisamy, (2016), “Polycyclic Aromatic Hydrocarbon (PAHs) Biodegradation: Role of ligninolytic enzymes”, 5th Annual International Conference on sustainable Energy and Environmental Sciences (SEES 2016), pp 29-38. ISSN 2251-189X, doi: 10.5176/2251-189X_SEES16.12.
10. **A. Arun,** Nithya Sivalingaraj, Sivaprakash Gurusamy and M. Jothibas, (2016), “RSM based optimization of Bioethanol production by *Zymomonas mobilis* using orange waste and Mahula flower as substrate”, 5th Annual International Conference on sustainable Energy and Environmental Sciences (SEES 2016), pp 39-48. ISSN 2251-189X, doi: 10.5176/2251-189X_SEES16.13.

11. **A. Arun**, K. Mohan Rasu, G.H. Dinesh, R. Sateesh Murugan, G. Siva Prakash, V. Ananthi, A Comparative Study on Bio-Polymer (ϵ -Poly-L-Lysine) Production by Using Forest Soil Microbial Isolates and *Streptomyces albulus* (MTCC 1137); *Asian journal of Microbiology, Biotechnology and Environmental Sciences* (17),2015, 16-20.
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18. Mohanrasu and **A. Arun**/ Geraldine Rohman, France (Ed), 2016, In *Biodegradable polymers – recent developments and new perspectives/ Exploring biodegradable*

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