

BRIEF PROFILE

Dr. Arun Bhagwath, Ph. D



CEO, Yenepoya International Schools, KSA

Dean, Faculty of Science, Yenepoya University

Principal of Yenepoya Institute of Arts,

Science, Commerce and Management at Mangalore, Karnataka, India

Professor, Yenepoya Research Center, Yenepoya

Former Director of Yenepoya Research Center

Director of Quality, Assessment and Compliance, at Yenepoya University, Mangalore.

In his current role as CEO, Dr. Arun Bhagwath manages Yenepoya International Schools in Saudi Arabia and serves as the Principal at the Institute of Arts, Science, Commerce, and Management (YIASCM) in India. YIASCM is a multidisciplinary institution offering high-quality academic programs at undergraduate, postgraduate, and doctoral levels, fully compliant with NEP-2020. Under his leadership, many new initiatives have been launched, and he played a crucial role in transforming Yenepoya University into a National Institution of Excellence during his tenure as Director of Quality and Assessment and Director of Research.

Born on November 26, 1974, in Padubidiri, Karnataka, India, Dr. Arun completed his primary, secondary, and higher education in Karnataka. He earned his Ph.D. in Biosciences (Microbiology) from Mangalore University in 2002. He was awarded a Post-Doctoral Fellowship at the Department of Soil and Environmental Sciences, National Chung Hsing University, Taiwan, where he was promoted to Senior Researcher in 2005. In 2009, he joined Yenepoya University to establish and lead the Yenepoya Research Centre. Under his visionary leadership and strategic thinking, the university became a center of excellence in medical education and research.

Dr. Arun has over 300 publications in highly reputed scientific journals and conference proceedings. He has guided 15 Ph.D. students, managed funded research projects from national and international agencies, and holds 10 patents and technology transfers. He established research and entrepreneurship facilities,

including the Yenepoya Research Center (YRC), Yenepoya Technology Incubator (YTI) and Yenepoya Research Center for Finance and Entrepreneurship Development (YENREFIND), focusing on health, allied sciences, and finance. These centres are globally recognized for their research output, patents, and products. He also established teacher training centres and collaborations with highly ranked national and international institutes and industries. Dr. Arun has successfully guided many start-ups that are currently being incubated at the university. He has been a member of important task forces of government and private agencies and professional bodies. He has organized and attended several training programs for teachers and researchers and delivered keynote addresses at national and international forums.

DR. ANANTHAPADMANABHA BHAGWATH ARUN (DR. ARUN A. B)

Office Address

Office of the Principal/Dean, Yenepoya Institute of Arts, Science, Commerce, and Management.

Balmatta/Kulur, Mangalore-575002

Tel (o): **91-824 2204468 ext. 318**

Tel ®: **91-824 2204605**

Mobile: **+91 9980856605**

Fax: **886-4-22861495**

Emails: **bhagwatharun@hotmail.com**
 arunbhagwath@yenepoya.edu.in
 yiascm@yenepoya.edu.in

Website:

- <http://yenepoya.res.in/team/dr-arun-a-b/>
- Principal | Yenepoya Institute of Arts, Science, Commerce and Management
- CEO Message | Yenepoya International School KSA

Residential Address

2-T-13-63, R3, Hongirana, Bella Vista villa, Barebail Road, Kadri B, Bejai Post Mangalore-575004

Personal Details

Born on: 26/11/1974
Sex: Male
Nationality: Indian (A8515019)
Marital status: Married
Child: One (23 years as on 2025)

Academic Identity

Orcid: 0000-0003-3140-9266
Scopus: 8576999400
Google Scholar: sGtSV7QAAAAJ
Vidwan: 164999

Appointments and Current Position

- CEO, Yenepoya International School, Kingdom of Saudi Arabia (Since March 2025)
- Principal, Yenepoya Institute of Arts, Science, Commerce and Management, Yenepoya (Deemed to be University), Mangalore (Since Apr-2022).
- Dean, Faculty of Science, Yenepoya (Deemed to be University), Mangalore (Since April 2002).
- Director, Quality, Assessments and Compliance (August 2021-till date)
- Deputy Director, Quality, Assessments and Compliance (Apr., 2018-August 2021)
- Deputy Director, Yenepoya Research Center (Oct-2010-Apr,-2018)
- Professor (Oct-2010-till date)
- Senior Scientific Officer (Oct-2009-Oct-2010)
- Scientific Officer (Apr-2009- Oct-2009)
- Senior Researcher (July2007-Jan 2009)
- Post Doctoral Fellow (March 2003-2007)

Research Interests

Innovation, Education Technology, Entrepreneurship, Toxicology, Applied Microbiology and Biotechnology, Bio-Nanotechnology, and Microbial Systematics.

Research Profile

No. of Publications	Above 300
Citations	8507
H-Index	42
i-10 Index	151
No. of Patents	10
Research Grants/Projects Secured	11
PhD Awarded Candidates	15

Educational Qualifications

- Senior Researcher (July-2007- Jan 2009), Department of Soil and Environmental Sciences, National Chung Hsing University, Taiwan.
- Post Doctoral Researcher (March-2003-July-2007), Department of Soil and Environmental Sciences, National Chung Hsing University, Taiwan.
- PhD (1998-2002), Biosciences (Microbiology), Mangalore University, India.
- MSc. (1996-1998) In Biosciences, (First Grade).
- BSc. (1993-1996) In Biological Sciences, University of Mangalore, (Chemistry, Botany & Zoology).

Professional Experience and Positions Held

July 1998-July 1999- Research Assistant: DOD-ICMAM project on critical habitats.

July 2000-Oct 2002- Junior Research Fellow: Baseline ecology of benthos and thermal tolerance of some selected aquatic invertebrate species and some

microbes from Kaiga Environs, Karnataka: Board for Research in Nuclear Science, Government of India.

May 2000-June 2002- Higher Education Link Programme: British Council, Chennai Conservation and Preservation of Environmental Resources of Coastal Karnataka for the Enhancement of Quality of Life (Voluntary Participation).

Nov 2002-Feb 2003: Research Associate: Baseline ecology of benthos and thermal tolerance of some selected aquatic invertebrate species and some microbes from Kaiga Environs, Karnataka: Board for Research in Nuclear Science, Government of India.

Mar 2003-July 2007: Post-Doctoral Fellow: Diversity of Nitrogen fixing and Phosphate solubilizing bacteria from Taiwan. Project of National Science Council of Taiwan. Department of Soil and Environmental Science, National Chung Hsing University, Taiwan.

July 2007-Jan 2009: Senior Researcher: Studies on functional diversity and dynamics of microbial communities in soil with reference to their ecological role in agro-ecosystems: National Science Council of Taiwan. Department of Soil and Environmental Science, National Chung Hsing University, Taiwan.

April-October 2009: Scientific Officer, Yenepoya Research Center, Yenepoya University, Mangalore, Karnataka, India.

October 2009-October 2010: Senior Scientific Officer, Yenepoya Research Center, Yenepoya University, Mangalore, Karnataka, India.

October 2010-April 2018: Professor and Deputy Director, Yenepoya Research Center, Yenepoya University, Mangalore, Karnataka, India.

April 2018-September 2021: Deputy Director, Quality, Assessments and Compliance, Yenepoya University, Mangalore-18

September 2021-April 2022: Director, Quality, Assessments and Compliance, Yenepoya University, Mangalore-18.

April 2022-Till date: Principal, Yenepoya Institute of Arts, Science, Commerce and Management, Yenepoya (Deemed to be University), Mangalore

April 2022-Till date: Dean, Faculty of Science, Yenepoya (Deemed to be University), Mangalore.

March 2025-Till date: CEO, Yenepoya International Schools, Kingdom of Saudi Arabia.

Membership in International Scientific Societies and

- International Medical Geology Association, USA
- Indian Science Congress Association (Life member)
- International Society of Applied Biology (Life Member)
- Society for General Microbiology-UK (2008-2009) No.1079149

Awards and Recognitions

- Outstanding Administrator Award-2024, Wizdom Institutional Network, India.
- Outstanding Researcher Award-2009, National Chung-Hsing University, Taiwan.
- Appreciation certificate for the significant contribution to National Chung-Hsing University, Taiwan, 2009.
- Reviewer for Several Science Citation Indexed National/International Journals.
- Several research Publications are in Science Direct TOP 25 Hottest Articles and one in Top 10 cited with more than 1000 citations.
- External Member, Internal Quality Assurance Cell, Presidency University, Bangalore
- Member, Research and Innovation Council, Adichunchanagiri University, Tumkur
- External Member, Faculty of Medicine, Sri-Devaraj Urs Academy of Higher Education and Research (Deemed to be University).
- External Member, IQAC, Sri-Devaraj Urs Academy of Higher Education and Research (Deemed to be University)
- Member, SAG, Department of Biotechnology, National Biopharma Mission, GOI. 2019
- Advisor, Yenepoya Technology Incubation, Mangalore-2020
- Outstanding reviewer award 2017 for the Journal Bioresource Technology
- Outstanding reviewer award 2017 for the Journal Material Science and Engineering B
- Outstanding reviewer award 2018 for the Journal Environmental Toxicology and Pharmacology
- Certificate of reviewing for Journal of Functional Foods
- Certificate of reviewing for Process Biochemistry
- Certificate of reviewing for Material Letters
- Certificate of reviewing for Journal of Hazardous Materials
- Certificate of reviewing International Journal of Biological Macromolecules

- Certificate of reviewing for Food Hydrocolloids
- Certificate of reviewing for Microbial Pathogenesis
- Editorial Board Member of Plant Science Today
- Listed among uLektz Wall of Fame "Top 50 Directors or Coordinators of IQAC across India" for the year 2019.
- GCP certificate from NIDA clinical trail network. Valid July 2024.
- Certificate on Immersion Programme for Managers of Incubation Centers.

Research Grants/Projects Secured

Title	PI/CI	INR	Funding Agency	Year
Establishment of Early Translational Accelerator	CI	11,000,000	BIRAC, DBT	2020-2023 Completed
Establishment of MedTech Design and Rapid Prototyping Facility	CI	457,85,000	BIRAC, DBT	2019-2022 Completed
Establishment of SPARSH Center at YTI	CI	250,00,000	BIRAC, DBT	2020-2022 Completed
Early Detection of Leptospirosis using Immuno-Carbon Nanotubes	PI	21,25,600	ICMR	2017-2021 Completed
Fellowship project on Point of care testing platform for early diagnosis of Leptospirosis.	PI	887,263	ICMR	2019-2021 Completed
Fellowship project on Identification of blood and urinary markers to predict severity of neonatal asphyxia using high resolution mass spectrophotometry	PI	14,36,760	ICMR	2019-2021 Completed
Electron Beam Irradiation for improving the functional	CI	17,00,000	BRNS, DAE	2012-15 Completed

properties of Marine bacterial exopolysaccharides				
Chemical toxicity and risk assessment of selected Uranium compounds in experimental Rats	PI	49,91,725	BRNS, DAE	2011-2014 Completed
Novel natural quorum quenching molecules for the inhibition of quorum sensing in Gram-negative bacteria	CI	17, 71,000	DBT, GOI	2010-2014 Completed
Enhancing carotenogenesis (Zeaxanthin and Lycopene) in marine bacteria by electron beam irradiation for industrial applications	PI	19, 78,000	BRNS, DAE	2009-2013 Completed
Pretreatment of cellulosic biomass using electron beam irradiation for enhanced ethanol fermentation by microbial enzymes	CI	25,68,000	BRNS, DAE	2009-2013 Completed

Ph. D Supervision

Sl.No	Student Name	Position	Status	Title of the Thesis
1	Mr. Sudarshan	Guide	Awarded-2014	Characterization and strategies for the overproduction of xanthophylls from bacteria for industrial applications
2	Ms. Sowmya S	Guide	Awarded-2014	A study of isolation characterization and prospecting of bacteria for uranium remediation
3	Mr. Khalid P	Guide	Awarded-2015	Characterization of carbon nanotubes for toxicological testing

4	Ms. Vasavi H	Co-Guide	Awarded 2015	Investigation on inhibition of quorum sensing in gram-negative bacteria by natural quorum quenching molecules.
5	Mr. Karthik K	Co-Guide	Awarded-2015	Pretreatment of Lignocellulosic Biomass for Enhancing the Saccharification.
6	Ms. Priyanka P	Co-Guide	Awarded-2015	Biochemical characterization of exopolysaccharides produced by Marine Derived bacteria and their biological Applications.
7	Mr. Nagaraj. K	Guide	Awarded 2020	A study on bacterial exopolysaccharides for reducing the uranium induced nephrotoxicity in animal model
8	Ms. Sangeetha	Guide	Awarded 2019	Evaluation of cellular mechanism of uranyl nitrate induced nephrotoxicity in swiss albino mice
9	Ms. Geetha S	Co-Guide	Awarded-2021	Molecular characterization and comparative analysis of lectin from <i>Canavalia spp</i> of Dakshina Kannada region.
10	Ms. Anjali N	Guide	Awarded-2021	Studies on the prevalence of drug resistant opportunistic micro-organism in oral cancer patients.
11	Ms. Sumrathi G	Guide	Awarded-2024	Rapid detection of active and latent tuberculosis infection in HIV positive individuals by enumeration of <i>Mycobacterium tuberculosis</i> - specific T cells
12	Ms. Saptami K	Co-Guide	Awarded-2023	Studies on modulation of quorum sensing in selected gram negative pathogenic bacteria.

13	Ms. Sapna K	Guide	Awarded-2023	Carbon nanomaterial based biosensor for diagnosis of leptospirosis
14	Ms. Asiamma	Co-Guide	Submitted	Early diagnosis of Leptospirosis using immunocarbon nanotubes in comparison with gold standards
15	Ms. Aparna H	Guide	Ongoing	An OMICS approach to understand the difference between patients with Parkinson's disease (PD) and Parkinson's disease dementia (PDD).
16	Ms. Suchithra KV	Guide	Submitted	Fabrication of bacteriophage integrated, electro-spun PVA nano-fibers mat for treatment of MRSA associated skin Infection and their efficacy testing <i>in-vitro</i>
17	Ms. Sonum	Guide	Ongoing	Tracing locally prevalent <i>Leptospira</i> through molecular systematics and proteogenomics
18	Ms. Kavyashree	Guide	Ongoing	Development of bacterial nano-cellulose based biopolymer for sustained delivery of essential oil for tropical applications

Patents

Sl.No	Title	Authors	Agency/Year
1	Process for enhancing bioactivity of Exopolysaccharide produced by <i>Labrenzia sp.</i> PRIM 30 and its uses	Dr. Arun AB Dr. Rekha PD Dr. Prianka P	Indian /201641003579
2	Rapid composting	Young, C. C. and Others	Taiwan Patent, 2009

3	Process for extraction of Exopolysaccharide and Carotenoids in single fermentation	Dr. Rekha P.D Dr. Arun A.B Dr. Prianka P	Indian/201741002382
4	Method for Detection & Diagnosis of Oral Cancer in a Sample	Dr. Riaz Abdulla, Dr. Anwar Asif, Mr. Hafiz Johan, Dr. Sneha Pinto, Dr. Yeshwanth, Dr. Rekha P.D, Dr. Arun A B, Mr. Farhaad Y	India, Australian and US 201741015794, 2018100578
5	Electrochemical Biosensor and Method for diagnosing Leptospirosis	Dr. Prasad Nair Ms. Sapna Kannan Ms. Sonia Jospeh Dr. Arun A B	Indian Temp/E-1/50265/2019 CHE
6	Thermal Biosensor Based Diagnostic kit for Leptospirosis	Dr. Prasad Nair Ms. Sapna Kannan Ms. Sonia Jospeh Dr. Arun A B	Indian Temp/E-1/12375/2020 CHE
7	Parasitic Macrophage Migration Inhibitory Factor 2 of Filarial Parasite as a Novel Drug	Dr. S. L. Hoti Dr. TSK Prasad Dr. Arun A B Dr. Prashant Modi	Indian Temp/E-1/20747/2020- CHE
8	A Radiation shielding composition	Dr. Riaz Abdulla Dr. Jagadish K Dr. Rekha P.D Dr. Arun A. B Dr. Sripathi Rao	Indian/201841031824A
9	Herbal formulation for wound healing	Dr Chandrashekhara Kumar B Dr Prajitha Biju Dr Arun A B Dr. Gulzar Ahmad	Indian/202441075459
10	Electrospun Phage-PVA-EU Nanofiber matrix composition for Diabetic Wound Healing	Dr Arun A B Dr Asif Hameed Ms. Suchithra KV	Indian/202441002047

1. Panakaje, N., Riha, Arun, A.B., Siddiq, S., Shakira, I.S., Yatheen, A. Measuring socio-economic development of rural households: Scale development. *Cogent Social Sciences*. 2025
2. Gurtoo, S., Karthikkeyan, G., Behera, S.K., Kotimoole, C.N., Najar, A., Modi, P.K., Sahana K. S., Pinto, S.M., Arun A.B. A comparative proteomic analysis for non-invasive early prediction of hypoxic-ischemic injury in asphyxiated neonates. *PROTEOMICS–Clinical Applications*. 2024, 18 (2): 2200054.
3. Suchithra, K.V., Hameed, A., Surya, S., Mahammad, S., Arun, A.B., Dual phage-incorporated electro-spun polyvinyl alcohol-eudragit nanofiber matrix for rapid healing of diabetic wound infected by *Pseudomonas aeruginosa* and *Staphylococcus aureus*. *Drug Delivery and Translational Research*. 2024, 1-17.
4. Ashaiba, A., Sapna, K., Arun, A.B., Tellis, R.C., Prasad, K.S., Development and Evaluation of a noninvasive Microfluidic-Based Paper Analytical Device for *Leptospirosis* Diagnosis. *Analytical Chemistry*. 2024, 96 (29).
5. Sonam, A., Hameed, A., Rekha, P.D., Stothard, P., Tellis, R.C., Arun, A.B., Ketone body oxidation and susceptibility to ethyl acetoacetate in a novel hemolytic multidrug-resistant strain *Leptospira interrogans* KeTo originated from sewage water. 2024 14, 25198.
6. Panakaje, N., Arun A.B., Parvin, S. R., Madhura, K., Kambali, U. Accelerating entrepreneurship: Evidence from the incubation centers of management institutes of Dakshina Kannada. *Heliyon*, 2024, 10 (14).
7. Panakaje, N., Parvin, S. R., Arun A.B., Suvarna, H., Madhura, K., Pandavarakallu, M. T, Yatheen, A. Exploring the impact of training and placement cell on career transition to employment. *Journal of Open Innovation: Technology, Market, and Complexity*, 2024. 10(4), 100383.
8. Ashaiba, A., Arun, A. B., Prasad, K.S., Tellis, R.C., A clinical pilot study for the detection of sphingomyelinase in leptospirosis patient's urine at tertiary care hospital. *Heliyon*. 2023, 9(10), e-1138.
9. Kannan, S., Shim, Y.B., Arun, A. B., Prasad, K.S., Diagnosis of neglected tropical zoonotic disease, *Leptospirosis* in a Clinical Sample Using a Photothermal Immunosensor. *Analytical Chemistry*. 2023, 96(1). 409-418.
10. Rekadwad, B.N., Li, W.-J., Gonzalez, J.-M., Rekha P.D., Arun A.B., Urana, R., Parwez, K., Extremophiles: the species that evolve and survive under hostile conditions. *3 Biotech*, 2023: 13 (9), 316.
11. Suchithra, K.V., Hameed, A., Rekha, P.D., Arun, A.B. Description and host-range determination of phage PseuPhal, a new species of

- Pakpunavirus infecting multidrug-resistant clinical strains of *Pseudomonas aeruginosa*. *Virology*. 2023: 585, 222-231.
12. Gurtoo, S., Kotimoole, S., Sahana, K.S., Arun, A.B. Identification of Novel Biomarkers Using Serum and Urinary Proteomics for Early Detection of Hypoxic Ischemic Encephalopathy. *Indian Journal of Clinical Biochemistry*. 2024, 39 (4), 506-518.
 13. Sanjana, N.S., Rekadwad, B.N., Rekha P.D., Arun A.B., Suryavanshi, M.V., Current Scenario of Application of Anti-infective Compounds from Microbial Origin Perspective. *Microbial Systematics*. 2023. 1-13.
 14. Rekha, P.D., Shastry, R.P., Hameed, A., Ghate, S., Arun, A.B., Genomic potential for exopolysaccharide production and differential polysaccharide degradation in closely related *Alteromonas* sp. PRIM-21 and *Alteromonas fortis* 1T, *Antonie van Leeuwenhoek*, 2023. 116 (1); 39-51.
 15. Anjali, K., Manzoor, M., Suryavanshi, M.V., Rudrapathy, P., Rekha, P.D., Das, R., Hameed, A., Arun, A.B. Dysbiosis of the oral microbiota composition is associated with oral squamous cell carcinoma and the impact of radiotherapy: a pilot study. *FEMS Microbiology Letters*. 2023, 370. fnad111.
 16. Ashaiba, A., Arun, A.B., Prasad, K.S., Tellis, R.C. Leptospiral sphingomyelinase Sph2 as a potential biomarker for diagnosis of leptospirosis. *Journal of Microbiological Methods*. 2023. 203, 106621.
 17. Yuvarajan, S., Hameed, A., Arun, A.B., Saptami, K., Rekha, P.D. Urease-negative uropathogen *Kalamiella piersonii* YU22 metabolizes urea by urea carboxylase and allophanate hydrolase enzyme system. *Microbiological Research*. 2022; 263: 127142.
 18. Sapna, K., Sonia, J., Shim, Y.B., Arun, A.B., Prasad, K.S. Au nanoparticle-based disposable electrochemical sensor for detection of leptospirosis in clinical samples. *ACS Applied Nano Materials*. 2022. 5 (9), 12454-12463.
 19. Sonia, J., Sapna, K., Asiamma, A., Bushra, K.A., Arun, A.B., Prasad, K.S. Implantable and non-invasive wearable and dermal nanosensors for healthcare applications. *Nanosensors for Futuristic Smart and Intelligent Healthcare Systems*, 2022. 158-177.
 20. Sapna, K., Sonia, J., Kumara, B.N., Arun, A.B., Prasad, K.S. Carbon Nanotubes for Bio-imaging Applications. *Handbook of carbon nanotubes*, 2022. 1-21.
 21. Sapna K., Ashaiba, A., Ravi Kumar T.N., Shashidhar, V., Arun, A. B., Prasad, K. S., Evaluation of Anti-LipL32 Carbon nanotube immunofluorescence probe (Carbo-Lip) and comparison with MAT, IgM, ELISA, IgM spot test and culture for early detection of Leptospirosis at local hospital. *Journal of Microbiological Methods*, 2022 195, 106448.
 22. Rekadwad, B.N., Li, W.J., Gonzalez, J.M., Parwez, K., Rekha, P.D., Arun A., B. Uncultured actinobacteria and reverse engineering and artificial

- intelligence role in future. *Actinobacteria: Microbiology to Synthetic Biology*, 2022. 203-214.
23. Sridhar, K.R., Karamchand, K.S., Sudheep, N.M., Maria, G.L., Arun, A.B. Diversity of freshwater ascomycetes in the Western Ghats of India. *Freshwater Mycology*, 2022. 21-36.
 24. Sudeep D. G., Rajesh P. S., Arun A. B., Rekha P.D. Unraveling the bacterial community composition across aquatic sediments in the Southwestern coast of India by employing high-throughput 16S rRNA gene sequencing. *Regional Studies in Marine Science* 2021-06 (*In press*). DOI: [10.1016/j.rsma.2021.101890](https://doi.org/10.1016/j.rsma.2021.101890).
 25. Khalid P., Arun A. B., Rekha P.D., Hamed S., Almurtiri., Ziyad A.A.Z., Suman, V. B. High mutation rate leads to fitness loss for Coronavirus quasispecies. *Coronaviruses*. 2021 (*In press*). DOI: [10.2174/2666796702666210211120748](https://doi.org/10.2174/2666796702666210211120748)
 26. Khalid P., Arun A. B., Sapna, K., Tarique M., Zawed, A., Alruways, M. W., Suman V. B., Ray, A. Comparative analysis of laboratory diagnosis of Leptospirosis. *Sensor Letters*. 2021. 8, 1-10.
 27. Athmika, S., Ghate, S., Arun, A. B., Rao, S., Kumar, S.T., Kandiyil, M., Kanekar, S., Rekha, P.D. Genome analysis of a halophilic bacterium *Halomonas malpeensis* YU-PRIM-29T reveals its exopolysaccharide and pigment producing capabilities. *Scientific Reports*. 2021. 11 (1), 1-14. **SCI-4.9**
 28. Vipin, C., Saptami, K., Fida, F., Mujeeburaheeman, M., Rao, S.S., Arun, A. B., Rekha, P.D. Potential synergistic activity of quercetin with antibiotics against multidrug-resistant clinical strains of *Pseudomonas aeruginosa*. *PloS one*. 2020. 15 (11): e0241304. **SCI-2.75**
 29. Sapna, K., Tarique, M., Asiamma, A., Nagaraj T., Kumar, R., Shashidhar, V., Arun, A.B., Prasad, K. S., Early detection of leptospirosis using Anti-LipL32 carbon nanotube immunofluorescence probe. *Journal of Bioscience and Bioengineering*. 2020. 130 (2): 424-430. **SCI-2.24**
 30. Rekha, P.D., Hameed, A., Manzoor, M.A.P., Suryavamshi, M.V., Ghate, S.D., Arun, A.B., Rao, S.S., Shetty, A., Bajire, S.K., Mujeeburaheeman, M., Young, C-C. First report of pathogenic *Kalamiella piersonii* isolated from urine of a kidney stone patient: draft genome and evidence for role in struvite crystallization. *Pathogens*. 2020. 9 (9) 711. **SCI-3.2**
 31. Anjali K, Arun A B*, Bastian T S, Parthipan R, Selvamani M., Adarsh H. Oral microbial profile in oral Cancer patients before and after radiation therapy in a Cancer Care Center - A Prospective Study. *Journal of Oral and Maxillofacial Pathology*. 2020. 24(1):117. **SCI-0.3**
 32. Sowmya S., Rekha, P.D., Yoshadhara, I, Karunakara N., Arun A. B. Uranium tolerant phosphate solubilizing bacteria isolated from Gogi, a

- proposed uranium mining site in South India. *Applied Geochemistry*, 2020. 114; 104523. **SCI-2.83**
33. Sangeetha, VP., Rekha, PD., Arun, AB. Role of PI3K-Akt and MAPK signaling in Uranyl nitrate induced nephrotoxicity. *Biological Trace Element Research*. 2019, 189(2);405-411. **SCI-2.43**
 34. Vipin, C., Mujeeburahiman, M., Arun, A.B., Ashwini P., Mangesh, S.V., Rekha, P.D. Adaptation and diversification in virulence factors among urinary catheter-associated *Pseudomonas aeruginosa* isolates. *Journal of Applied Microbiology*. 2019, 126(2); 641-650. **SCI-2.16**
 35. Vipin, C., Mujeeburahiman, M., Ashwini P., Arun, A.B., Rekha, P.D. Anti-bio film and cytoprotective activities of quercetin against *Pseudomonas aeruginosa* isolates. *Letters in Applied Microbiology*. 2019, 68(5); 464-471. **SCI-1.8**
 36. Vipin, C., Mujeeburahiman, M., Saptami, K., Arun, A. B., Rekha, P. D. Synergistic interactions of quercetin with antibiotics against biofilm associated clinical isolates of *Pseudomonas aeruginosa* *in vitro*. bioRxiv, 2019, 601336.
 37. Sangeetha, V., Rekha, P. D., Dinesh, U., Arun, A. B. Determination of acute lethal dose LD50 of uranyl nitrate in male swiss albino mice. *Research Journal of Pharmacy and Technology*, 2018, 11 (3), 1086-1088.
 38. Kämpfer, P., Rekha, P.D., Busse, H.-J., Arun A. B., Priyanka, P., Glaeser, S.P. *Halomonas malpeensis* sp. nov., isolated from rhizosphere sand of a coastal sand dune plant. *International Journal of Systematic and Evolutionary Microbiology* 2018, 68(4), 1037-1046. **SCI (2.17)**
 39. Nagaraj, K.K., Arun, A.B., Rekha, P.D. Uranium-induced cytotoxicity in HEK 293T cells is reduced by a β -glucan type exopolysaccharide produced by *Enterobacter* sp. YG4. *Journal of Applied Pharmaceutical Science* 2018, 8 (04), 171-173.
 40. Manzoor, M.A. P., Singh, B., Agrawal, A. K., Arun, A. B., Mujeeburahiman, M., Rekha, P. D. Morphological and micro-tomographic study on evolution of struvite in synthetic urine infected with bacteria and investigation of its pathological biomineralization. *PLOS One*. 2018, 13 (8), e0202306. **SCI-(2.78)**.
 41. Rekha, P. D., Vasavi, H. S., Vipin, C., Saptami, K., Arun, A. B. A medicinal herb *Cassia alata* attenuates quorum sensing in *Chromobacterium violaceum* and *Pseudomonas aeruginosa*. *Letters in Applied Microbiology*, 2017, 64 (3); 231-238. **SCI.1.6**
 42. Jagadish Chandra, H., Sripathi Rao, B.H., Muhammed Manzoor, A.P., Arun, A.B. Characterization and antibiotic sensitivity profile of bacteria in orofacial abscesses of odontogenic origin. *Journal of Maxillofacial and Oral Surgery*, 2017, 16 (4), 445-452. (DOI10.1007/s12663-016-0966-7) **SCI. 1.33**

43. Sridhar, K. R., Shreelalitha, S. J., Supriya, P., Arun, A.B. Nutraceutical attributes of ripened split beans of three *Canavalia* landraces. *Journal of Agricultural Technology*, 2016; 12 (7.1); 1277-1297.
44. Sangeetha, VP., Rekha, PD., Dinesh, U., Arun, AB. Biochemical and histopathological responses of the Swiss albino mice treated with uranyl nitrate and its recovery. *Renal Failure*. 2016; 38 (5), 770–775. (DOI: 10.3109/0886022X.2016.1160248) **SCI. 1.68**
45. Priyanka P, Arun AB, Ashwini P, Rekha PD. Functional and cell proliferative properties of an exopolysaccharide produced by *Nitratireductor* sp. PRIM-31. *International Journal of Biological Macromolecules*. 2016, 85; 400-404. (DOI: 10.1016/j.ijbiomac.2015.12.091) **SCI. 4.78**
46. Nagaraj K, Rekha PD, Arun AB. Exopolysaccharide produced by *Enterobacter* sp. YG4 reduces uranium induced nephrotoxicity. *International Journal of Biological Macromolecules*. 2016; 82:557-561. **SCI. 4.78.**
47. Khalid, P., Hussain, M.A., Suman, V. B., Arun, A.B. Toxicology of Carbon Nanotubes-A Review. *International Journal of Applied Engineering Research*. 2016; 11 (1): 159-168.
48. Priyanka P, Arun AB, Ashwini P, Rekha PD. Versatile properties of an exopolysaccharide R-PS18 produced by *Rhizobium* sp. PRIM-18. *Carbohydrate Polymers*. 2015; 126: 215-21. **SCI. 4.2**
49. Hariprasad TPN and Arun AB. Resistance status to six insecticides and efficacy of two plant extracts on *Anopheles stephensi* from Mangalore. *International Journal of Mosquito Research*. 2015;2 (2):45-9.
50. Lin SY, Hung MH, Hameed A, Liu YC, Hsu YH, Wen CZ, Arun AB, Busse HJ, Glaeser SP, Kampfer P, Young CC. *Rhizobium* sp. nov., isolated from root tumor of a green bell pepper (*Capsicum annuum* var. *grossum*) plant. *Antonie van Leeuwenhoek*. 2015; 107(3): 773-84. **SCI. 1.94**
51. Peter K, Arun AB, HJ Busse, Zhang ZL, Young CC, Glaeser SP. *Chelativorans intermedius* sp. nov. and proposal to reclassify *Thermovum composti* as *Chelativorans composti* comb.nov. *International Journal of Systematic and Evolutionary Microbiology*. 2015; 65(5): 1646-52. **SCI. 2.8**
52. Priyanka P, Arun AB, Young CC, Rekha PD. Prospecting exopolysaccharides produced by selected bacteria associated with marine organisms for biotechnological applications. *Chinese Journal of Polymer Science*. 2015; 33(2): 236-244. **SCI.IF. 1.81**
53. Vasavi HS, Arun AB, Rekha PD. Anti-quorum sensing potential of *Adenanthera pavonina*. *Pharmacognosy Research*. 2015; 7(1):105-9. **SCI. IF. 1.2.**
54. Khalid, P., Hussain, M.A., Rekha, P.D., Arun, A.B* (2014). Carbon nanotube reinforced hydroxyapatite composite and their interaction *in vitro*. *Human and Experimental toxicology*. 34(5); 548-556. **SCI. IF. 1.6**

55. Priyanka P, Arun AB, Young CC, Rekha PD* (2014). Sulfated exopolysaccharide produced by *Labrenzia* sp. PRIM-30, characterization and prospective applications. *International Journal of Biological Macromolecules*. 69; 290-296. **SCI. IF. 2.7**
56. Sowmya, S., Rekha, P. D., Arun A. B* (2014). Uranium (VI) bioprecipitation mediated by a phosphate solubilizing *Acinetobacter* sp. YU-SS-SB-29 isolated from a high natural background radiation site. *International Biodeterioration and Biodegradation*. **SCI. IF. 2.5**
57. Vasavi HS, Arun AB, Rekha PD (2014). Anti-quorum sensing activity of flavonoid-rich fraction from *Centella asiatica* L. against *Pseudomonas aeruginosa* PAO1. *Journal of Microbiology, Immunology and Infection*. 2016. 49 (1); 8-15. **SCI. IF. 1.631.**
58. Vasavi HS, Arun AB, Rekha PD*. *Inula racemosa* inhibits Quorum Sensing in *Chromobacterium violaceum* and *Pseudomonas aeruginosa* PAO1. *Asian Journal of Microbiology, Biotechnology and Engineering* 2014 (Accepted).
59. Vasavi HS, Arun AB, Rekha PD (2014). Anti-quorum sensing activity of *Psidium guajava* L. flavonoids against *Chromobacterium violaceum* and *Pseudomonas aeruginosa* PAO1. *Microbiology and Immunology*. 58: 286–293. **SCI. IF. 1.545.**
60. Khalid, P., Hussain, M.A., Rekha, P.D., Sanal, C., Suraj, S., Rajashekhar, M., Suman, V.B., Sangappa, Arun, A.B* (2014). Interaction of Carbon nanotubes reinforced hydroxyapatite composite with *B. subtilis*, *P. aeruginosa* and *C. albicans*. *Indian Journal of Science and Technology*. 7 (5),1-7.
61. Khalid, P., Hussain, M.A., Rekha, P.D., Arun, A.B* (2014). Synthesis and characterization of carbon nanotubes reinforced hydroxyapatite composite. *Indian Journal of Science and Technology*. 6 (12). 5546-5551.
62. Sowmya, S., Rekha, P. D., Karunakara, N., Young C. C., Arun A. B* (2014). Phosphate solubilizing uranium tolerant bacteria associated with monazite sand of a natural background radiation site in South-West coast of India. *Annals of Microbiology* (in press) DOI: 10.1007/s13213-014-0812-4. **SCI. IF. 1.8.**
63. Sudharshan, P., Rekha, P. D., Arun A. B* (2014). **Zeaxanthin biosynthesis by the marine members of the genus *Muricauda***. *Polish Journal of Microbiology*. 63 (1), 115-119. **SCI. IF. 0.8**
64. Sudharshan, P., Rekha, P. D., Young, C. C., Hameed, A., Lin, S.-Y., Arun A. B*. (2013). Zeaxanthin production by novel marine isolates from coastal sand of India and its antioxidant properties. *Applied Biochemistry and Biotechnology*. (in press). **SCI. IF 1.9**
65. Lin, S.-Y., Hameed, A., Arun, A. B., Liu, Y.-C., Hsu, Y.-H., Lai, W.-A., Rekha, P. D and Young, C. C (2013). Description of *Noviherbaspirillum malthae* gen. nov., sp. nov. Isolated from an oil contaminated soil, and

- proposal to reclassify *Herbaspirillum soli*, *Herbaspirillum aurantiacum*, *Herbaspirillum canariense* and *Herbaspirillum psychrotolerans* into the genus *Noviherbaspirillum* based on polyphasic analysis. *International Journal of Systematic and Evolutionary Microbiology*. 63 (11). 4100-4107 **SCI. IF. 2.8.**
66. Sowmya, S., Rekha, P. D., Young C. C., Arun A. B* (2013). Isolation of a phosphate solubilizing uranium tolerant bacterium *Acinetobacter* sp. YU-SS-C-68. *International Journal of Environmental Biology*. 3(3): 129-132.
 67. Sowmya, S., Rekha, P. D., Arun A. B* (2013). Identification and characterization of *Curtobacterium* sp. YU-SS-C-67 for phosphate solubilization and Uranium tolerance. *International Research Journal of Biological sciences*. 2(12), 102-106.
 68. Sudharshan, P., Rekha, P. D., Arun A. B* (2014). Isolation and Evaluation of antioxidant activity of carotenoid from *Fontibacter flavus* YUAB-SR-25. *International Journal of Natural Products Research* (in press)
 69. Kämpfer, P., **Arun, A. B.**, Rekha, P.D., Busse, H.-J., Young, C.-C., Glaeser, S. P., *Ruegeria intermedia* sp. nov., a new moderately thermophilic bacterium isolated from a coastal hot spring. *International Journal of Systematic and Evolutionary Microbiology*. (in press). **SCI. IF. 2.8.**
 70. Kämpfer, P., Arun, A. B., Young, C.-C., Rekha, P. D., Chen, W.-M. (2012). *Microbulbifer taiwanensis* sp. nov., from Lutao Island (Green Island) soil. *International Journal of Systematic and Evolutionary Microbiology*. 62 (10):2485-9. **SCI. IF. 2.8.**
 71. Kämpfer. P., Arun, A.B., Busse, H. J., Young, C. C., Rekha, P. D & Chen, W.-M. (2010). *Salinicoccus lutaonensis* sp. nov., isolated from a coastal hot spring of Green Island (Lutao), Taiwan. *International Journal of Systematic and Evolutionary Microbiology*. 53 **SCI. IF. 2.662-31/89-Microbiology.**
 72. **Kämpfer, P., Arun, A. B., Young, C.-C., Busse, H.-J., Kassmannhuber, J., Rosselló-Mora, R.,** Rekha, P. D., Chen, W.-M. (2012). Proposal of *Sphingomicrobium lutaense* gen. nov. sp. nov., isolated from a coastal hot spring of Green Island (Lutao). *International Journal of Systematic and Evolutionary Microbiology*. 62(6), 1326-30. **SCI. IF.2.662-31/89-Microbiology.**
 73. Glaeser, S. P., Arun, A. B., Rekha, P. D., Prabhu, S., Busse, H.-J. & Kämpfer, P (2012). *Bhargavaea ullalensis* sp. nov., isolated from coastal sand. *International Journal of Systematic and Evolutionary Microbiology*. 62: 2743-49. **SCI. IF. 2.8.**
 74. Aras R. Y., D'Souza, N.D.R., Kumar, P. M., Rekha P. D., Arun A. B (2013). Effectiveness of Workshop on Basic Research Skill Development among First Year Post-graduate Medical Students of a Private University in Southern Karnataka, India. *Education in Medicine Journal*. 5, 27-34.

75. Karthika, K. Arun, A. B., Melo, J. S., Mittal K. C., Mukesh Kumar., Rekha, P. D. (2013). Hydrolysis of acid and alkali presoaked lignocellulosic biomass exposed to electron beam irradiation. *Bioresource Technology*. 129: 646-9. SCI. IF. **5.09**.
76. Kämpfer, P., Arun, A. B., Frischmann A., Busse, H.-J., Young, C.-C., Rekha, P. D & Chen, W.-M. (2013). *Stappia taiwanensis* sp. nov., a isolated from a Coastal thermal spring. *International Journal of Systematic and Evolutionary Microbiology*. 63 (Pt_4): p. 1350 – 1354. **SCI. IF. 2.8**.
77. Khalid P., Hussain M. A., Rekha P. D., Suman V. B., Arun A. B* (2013). Modification of Carbon Nanotubes for Bio-applications and Toxicity Evaluations. *Journal of Environmental Nanotechnology*. 2 (1): 70-74.
78. Karthika, K. Arun, A. B. & Rekha, P. D (2012). Enzymatic hydrolysis and characterization of lignocellulosic biomass exposed to electron beam irradiation. *Carbohydrate Polymers*. 1; 90 (2):1038-45. SCI. IF. **3.628**.
79. Anita, D.D., Sridhar, K.R., Arun, A.B. & Goveas, S.W (2012). Nutritional composition of germinated beans of *Canavalia cathartica*. *Focusing on Modern Food Industry* 1 (1): 1-11.
80. Lin, C.L., F.T. Shen, B.Y. Chen, C.C. Huang, C.C. Tan, A.B. Arun & C.C. Young. (2012). Characterization of *Gordonia* sp. strain CC-NAPH129-6 capable of naphthalene degradation. *Microbiology Research*. 167:395-404 (I.F. 2.31).
81. Sheu, S.-Y., Lin, C.-Y., Arun, A. B., Young, C. C & Chen, W.-M (2012). *Aquabacterium limnoticum* sp. nov., isolated from a freshwater spring. *International Journal of Systematic and Evolutionary Microbiology*. 62: 698-704. **SCI. IF. 2.662**-31/89-Microbiology.
82. Kämpfer, P., Lai, W. A., Arun, A. B., Young, C. C., Rekha, P. D., Martin, K., Busse, H.-J. & Chen, W.-M (2012). *Paracoccus rhizosphaerae* sp. nov., isolated from the rhizosphere of the plant *Crossostephium chinense* (L.) Makino (Seremban). *International Journal of Systematic and Evolutionary Microbiology*. 62: 2743-49. **SCI. IF. 2.8**.
83. Sridhar K.R. Arun, A. B. Madhyastha M.N (2011). Aquatic hyphomycetes and leaf litter decomposition in River Kali (Western Ghats), India. *Kavaka* 39: 15-22.
84. Rekha, P.D., Young, C-C., Arun, A. B*. (2011). Identification of N-acyl-L-homoserine lactones produced by non pigmented *Chromobacterium aquaticus* CC-SEYA-1^T and pigmented *C. substugae* PRAA4-1. *3Biotech*. 1 (4), 239-245.
85. Sheu, S.-Y., Cho, N.-T., Arun, A. B., Chen, W.-M (2011). **Proposal of** *Solimonas aquatica* sp. nov., and reclassification of *Sinobacter flavus* (Zhou *et al.* 2008) as *Solimonas flava* comb. nov. and *Singularimonas variicoloris* (Friedrich and Lipski 2008) as *Solimonas variicoloris* comb. nov. and emended description of the genus *Solimonas*. *International*

- Journal of Systematic and Evolutionary Microbiology*. 61(9); 2284-91 SCI. IF. 2.662-31/89-Microbiology.
86. **Kämpfer**, P., Arun, A. B., **Busse**, H.-J., Young, C.-C., Lai, W. A., Rekha, P. D., Chen, W.-M (2011). *Salinicoccus sesuvii* sp. nov., isolated from the rhizosphere of *Sesuvium portulacastrum*. *International Journal of Systematic and Evolutionary Microbiology*. 61 (10); 2348 – 2352. SCI. IF. 2.662-31/89-Microbiology.
 87. Singh, S., Rekha, P. D., Arun, A. B., Hameed, A., Singh, S., Shen, F.-T., and Young, C.C. (2011). Glutamate wastewater as a culture medium for *Azospirillum rugosum* production and its impact on plant growth. *Biology and Fertility of Soils*. 47 (4); 419-426. **IF-3.16**
 88. Hameed, A., Arun, A. B., Ho, H.-P., Chang, C. M. J., Rekha, P. D., Lee, M.-R., Singh, S. and Young, C.-C (2011). Supercritical carbon dioxide micronization of Zeaxanthin from moderately thermophilic bacteria *Muricauda lutaonensis* CC-HSB-11^T. *Journal of Agricultural and Food Chemistry*. 59(8); 4119-24. SCI-IF-4.1
 89. Singh, S., Rekha, P. D., Arun, A. B., Huang, Y. M., Shen F. T. & Young, C. C. (2011). Utilization of wastewater from monosodium glutamate industry as a low cost fertilizer source for maize plant growth: An exploratory study. *Biomass & Bioenergy*. 35, (9); 4001-4007 (SCI). IF. 3.87- Energy & Fuels.
 90. Chen, M.-H., Chen, C.-A., Arun, A. B., Wang, J.-T., & Chen, W.-M. (2011). *Pseudoteredinibacter isopora* gen. nov., sp. nov., isolated from reef-building coral *Isopora palifera*. *International Journal of Systematic and Evolutionary Microbiology*. 61: 1887-1893. SCI. IF. 2.662-31/89-Microbiology.
 91. Kämpfer P Arun A. B., Busse H.-J., Langer, S. Young C.-C. Chen W.-M., Syed A. A & Rekha, P. D. (2011). *Virgibacillus soli* sp. nov., isolated from mountain soil. *International Journal of Systematic and Evolutionary Microbiology*. 61: 275-280. SCI. IF. 2.662-31/89-Microbiology.
 92. Rekha, P. D., Young, C.-C., **Kämpfer**, P., **Busse**, H.-J., Arun, A. B., Chen, W.-M Lai, W.-A., Chao, J.-H., & Shen, F.-T. (2011). *Jhaorihella thermophilum* gen. nov., sp. nov., a new moderately thermophilic bacteria isolated from a coastal hot spring. *International Journal of Systematic and Evolutionary Microbiology*. 61: 1544 – 1548. SCI. IF. 2.662-31/89-Microbiology.
 93. Chen, W.-M., Chiu, T.-F., Arun, A. B., Young, C.-C., Sheu, S.-Y. (2011). *Flavobacterium macrobrachiumae* sp. nov., isolated from a freshwater shrimp pond in Taiwan. *International Journal of Systematic and Evolutionary Microbiology*. 61:1402-1407. SCI. IF. 2.662-31/89-Microbiology.
 94. Kämpfer, P., Rekha, P. D., Schumann, P., Arun, A. B., Young, C.-C., Chen, W.-M., Sridhar, K. R (2011). *Microbacterium arthrosphaerae* sp. nov., isolated from the feces of the pill millipede *Arthrosphaera*

- magna* Attems. *International Journal of Systematic and Evolutionary Microbiology*. 61:1334-1337.
95. Sheu, S.-Y., Arun, A. B., Jiang, S.-R., Young, C.-C., Chen, W.-M. (2011). *Allobacillus halotolerans* gen. nov., sp. nov. isolated from shrimp paste. *International Journal of Systematic and Evolutionary Microbiology*. 61 (5): p. 1023 – 1027. SCI. IF. 2.662-31/89-Microbiology.
 96. Bhagya, B., Sridhar, K. R. and Seena, S., Young, C.-C., Arun, A.B. (2010). Nutritional evaluation of tender pods of *Canavalia maritima* of coastal sand dunes. *Frontiers of Agriculture in China* 4(4): 481-488.
 97. **Kämpfer, P., Young, C.-C., Busse, H.-J., Lin, S.-Y., Rekha, P. D., Arun, A. B., Chen, W.-M., Shen, F.-T., & Wu, Y.-H.** (2011). Proposal of *Novosphingobium soli* sp. nov., isolated from soil. *International Journal of Systematic and Evolutionary Microbiology*. **61**: 259-263. SCI. IF. 2.662-31/89-Microbiology
 98. Kämpfer, P., Young, C. C., Chu, J.-N., Frischmann, A., Busse, H.-J., Arun, A. B., Shen, F.T., Rekha, P. D. (2011). *Gordonia humi* sp. nov., isolated from soil in Taiwan. *International Journal of Systematic and Evolutionary Microbiology*. 61:65-70. SCI. IF. 2.662-31/89-Microbiology.
 99. Sridhar, K. R., Arun, A. B., Maria, G.L., Madhyastha, M.N. (2011). Diversity of Fungi on Submerged Leaf and Woody Litter in River Kali, Southwest India. *Environmental Research Journal*. 5: (60). 701-714.
 100. Sridhar, K. R., Arun, A. B., Madhyastha, M. N. (2011). Leaf litter decomposition in River Kali adjacent to Kaiga nuclear power station, Southwest India. *Asian Journal of Water, Environment and Pollution* (In press). (SCI).
 101. Kiran, K., Bhat, R., Arun A. B. (2010). Determination of mineral composition and heavy metal content of some nutraceutically valued plant products. *Food Analytical Methods*. 3, 181-187. (SCI)IF. 1.802
 102. Chou, J.-H., Lee, J.-H., Arun, A. B., Young, C. C., Chen, W.-M. (2009). *Aquitalea fonticola* sp. nov., isolated from cold spring water. *International Journal of Systematic and Evolutionary Microbiology*. (In press) SCI. IF. 2.662-31/89-Microbiology.
 103. Cho, N.-T., Sheu, S.-Y., Arun, A. B., Chen, W.-M. (2010). *Terrimonas aquatica* sp. nov., isolated from a freshwater spring, Taiwan. *International Journal of Systematic and Evolutionary Microbiology*. 60 (12), 2705-2709. SCI. IF. 2.662-31/89-Microbiology.
 104. Sheu, S.-Y., Yang, C.-S., Chen, M.-H., Arun, A. B., Young, C.-C., Chen, W.-M. (2010). *Arcicella aurantiaca* sp. nov., isolated from stream water. *International Journal of Systematic and Evolutionary Microbiology*. 60 (12), 2979-2983. SCI. IF. 2.662-31/89-Microbiology.
 105. Kämpfer, P., Young, C.-C., Chen, W.-M., Rekha, P. D., Fallschissel, K., Lodders, N., Chou, J.-H., Shen, F.-T., Frischmann, A., Busse, H.-J., Arun, A. B. (2010). *Fontibacter flavus* gen. nov., sp. nov., a member of the family

- ‘*Cyclobacteriaceae*’, isolated from a hot spring. *International Journal of Systematic and Evolutionary Microbiology*. 60 (9): p. 2066 – 2070. SCI. IF. 2.662-31/89-Microbiology.
106. Chu, J. N., Arun, A. B., Chen, W.-M., Chou, J.-H., Shen, F.-T., Rekha, P. D., Kämpfer, P., Young, L.-S., Lin, S.-Y., Young, C. C. (2010). *Agaricicola taiwanensis* gen. nov., sp. nov., a novel α -proteobacterium isolated from edible mushroom *Agaricus blazei* Murrill. *International Journal of Systematic and Evolutionary Microbiology*. 60 (9): 2032-2035. SCI. IF. 2.662-31/89-Microbiology.
 107. Yang, C.-S., Young, C.-C., Arun, A. B., Cheng, C.-Y., Sheu, S.-Y., Chen, W.-M. (2010). *Chitinibacter alvei* sp. nov., isolated from stream water. *International Journal of Systematic and Evolutionary Microbiology*. 60 (8): p. 1760 – 1764. SCI. IF. 2.662-31/89-Microbiology.
 108. Kämpfer, P., Arun, A. B., Young, C. C., Chen, W.-M., Sridhar, K. R., Rekha, P. D. (2010). *Chryseobacterium arthrosphaerae* sp. nov., isolated from the faeces of pill millipede *Arthrosphaera magna* Attems from India. *International Journal of Systematic and Evolutionary Microbiology*. 60 (8): p. 1765 – 1769. SCI. IF. 2.222.
 109. Chen, W.-M., Chung, Y.-N., Chiu, T.-F., Cheng, C.-Y., Arun, A. B., Sheu, S.-Y. (2009). *Deefgea chitinilytica* sp. nov., isolated from wetland in Taiwan. *International Journal of Systematic and Evolutionary Microbiology*. 60: 1450-1453. SCI. IF. 2.662-31/89-Microbiology.
 110. Yang, C.-S., Chen, M.-H., Arun, A. B., Chen, C.-A., Wang, J.-T., Chen, W.-M. (2010). *Endozoicomonas montiporae* sp. nov., isolated from the encrusting pore coral *Montipora aequituberculata*. *International Journal of Systematic and Evolutionary Microbiology*. 60: 1158-1162. SCI. IF. 2.662-31/89-Microbiology.
 111. Kämpfer, P., Arun, A. B., Busse, H.-J., Langer, S., Young, C.-C., Schumann, P., Syed, A. A., Rekha, P. D. (2010). *Georgenia soli* sp. nov., isolated from iron-ore-contaminated soil in India. *International Journal of Systematic and Evolutionary Microbiology*. 60: 1027-1030. SCI. IF. 2.662-31/89-Microbiology.
 112. Young, C.-C., Busse, H.-J., Langer, S., Chu, J.-N., Schumann, P., Arun, A. B., Shen, F.-T., Rekha, P. D., Kämpfer, P. (2010). *Microbacterium agarici* sp. nov., *Microbacterium humi* sp. nov., and *Microbacterium pseudoresistens* sp. nov. isolated from the base of the mushroom *Agaricus blazei*. *International Journal of Systematic and Evolutionary Microbiology*. 60: 854-860. SCI. IF. 2.662-31/89-Microbiology.
 113. Kämpfer, P., Young, C.-C., Busse, H.-J., Chu, J.-N., Schumann, P., Arun, A. B., Shen, F.-T., Rekha, P. D. (2010). *Microlunatus soli* sp. nov., isolated from soil. *International Journal of Systematic and Evolutionary Microbiology*. 60: 824-827. SCI. IF. 2.662-31/89-Microbiology.

114. Young, C. C., Lin, S. Y., Arun, A. B., Shen, F.-T., Chen, W.-M., Rekha, P. D., Kämpfer, P. (2009). *Algoriphagus olei* sp. nov. isolated from oil contaminated soil. *International Journal of Systematic and Evolutionary Microbiology*. 59: 2909-2915. (SCI). IF. 2.662-31/89-Microbiology.
115. **Arun, A. B.**, Chen, W. M., Lai, W. A., Chou, J. H., Shen, F. T., Rekha, P. D., Singh, S., Young, C. C. (2009). *Muricauda lutaoensis* sp. nov., a moderately thermophile isolated from a coastal hot spring. *International Journal of Systematic and Evolutionary Microbiology*. 59: 2738-2742. SCI. IF. 2.662-31/89-Microbiology.
116. **Arun, A. B.**, Chen, W. M., Hung, M. H., Lai, W. A., Chou, J. H., Shen, F. T., Rekha, P. D., Young, C. C. (2008). *Belliella pelovulcani* sp. nov., isolated from the mud-volcano of Taiwan. *International Journal of Systematic and Evolutionary Microbiology*. 59: 2534-2537. (SCI). IF. 2.662-31/89-Microbiology.
117. Shen, F. T., Lin, J. L., Huang, C. C., Ho, Y. N., Arun, A. B., Young, L. S., Young, C. C. (2009). Molecular detection and phylogenetic analysis of catechol 1,2-dioxygenase gene from *Gordonia* spp. *Journal of Systematic and Applied Microbiology*. 32: 291-300. (SCI). **IF. 2.61**-31/94-Microbiology. ©Science Direct TOP 25 Hottest Articles of Systematic and Applied Microbiology in 2009. IF 3.517
118. D'Cunha, M., Sridhar, K. R., Young, C.-C., Arun, A. B. (2009). Nutritional evaluation of germinated seeds of coastal sand dune wild legume *Canavalia cathartica*. *International Food Research Journal*. 16: 249-260.
119. Prasad, K. S., Arun, A. B., Rekha, P. D., Young, C. C., Zen, J.-M. (2009). A microbial sensor based on direct electron transfer at *Shewanella* sp. drop-coated screen-printed carbon electrodes. *Electroanalysis*. 21 (14): 1646-1650. (SCI). **IF. 3.201**.
120. Lin, T. C., Arun, A. B., Shen, F. T., Young, C. C., Chen, T. L. (2009). Hydrocarbon degrading potentials of bacteria isolated from oil-contaminated soil. *Journal of Chinese Institute of Chemical Engineers*. 40 (5): 580-582 (SCI). IF. **0.43**-84/114-Chemical Engineering.
121. Bhat, R. Sridhar, K. R., Karim, A. A., Young, C.-C., Arun, A. B. (2009). Influence of γ - radiation on the nutritional and functional qualities of lotus seed flour. *Journal of Agricultural Food Chemistry*. 57 (20) 9524-9531. (SCI). **IF: 3.107**.
122. Sheu S. Y., Chiu T. F., Chou J. H., Arun A. B., Young C. C., Chen C. A., Wang J. T., Chen W. M. (2008). *Andreprevotia laccus* sp. nov., isolated from fish culture pond. *International Journal of Systematic and Evolutionary Microbiology*. 59: 2629-2632. (SCI). IF. 2.662-31/89-Microbiology.
123. Sheu, S. Y., Chiu, T. F., Cho, N. T., Chou, J. H., Sheu, D. S., Arun, A. B., Young, C. C., Chen, C. A., Wang, J. T., Chen, W. M. (2008). *Flectobacillus roseus* sp. nov., isolated from freshwater in Taiwan.

- International Journal of Systematic and Evolutionary Microbiology*. 59: 2546-2551. (SCI). IF. 2.662-31/89-Microbiology.
124. Chou J. Y., Arun A. B., Young, C. C., Chen C. A., Wang J. T., Chen W. M. (2008). *Vogesella lacus* sp. nov., isolated from a freshwater pond used for soft-shell turtle culture. *International Journal of Systematic and Evolutionary Microbiology*. 59: 2629-2632. (SCI). IF. 2.662-31/89-Microbiology.
 125. Arun, A. B., Chen, W. M., Lai, W. A., Chou, J. H., Shen, F. T., Rekha, P. D., Young, C. C. (2008). *Parvularcula lutaoensis* sp. nov., a moderately thermotolerant marine bacterium isolated from a coastal hot spring in Lutao, Taiwan. *International Journal of Systematic and Evolutionary Microbiology*. 59: 998 – 1001. SCI. IF. 2.662-31/89-Microbiology
 126. Arun, A. B., Chen, W. M., Lai, W. A., Chao, J. H., Shen, F. T., Rekha, P. D., Young, C. C. (2009). *Lutaonella thermophila* gen. nov., sp. nov., a moderately thermotolerant marine bacterium isolated from a coastal hot spring in Lutao, Taiwan. *International Journal of Systematic and Evolutionary Microbiology*. 59: 2069-2073. SCI. IF. 2.662-31/89-Microbiology.
 127. Bhagya, B., Sridhar, K. R., Raviraja, N. S., Young, C. C., A. B. Arun. (2009). Nutritional and biological qualities of ripened beans of *Canavalia maritima* from the coastal sand dunes of India. *Comptes Rendus Biologies*. 332: 25-33. (SCI). IF. 1.632. 10/50. Multidisciplinary sciences.
 128. Lin, M.-C., Jiang, S.-R., Chou, J.-H., Arun, A. B., Young, C. C., Chen, W.-M. (2009). *Aquabacterium fontiphilum* sp. nov., a novel bacterium isolated from spring water. *International Journal of Systematic and Evolutionary Microbiology*. 59: 681-685. (SCI). IF. 2.662-31/89-Microbiology.
 129. Singh. S., Rekha, P. D., Arun, A. B., Young, C. C. (2009). Impacts of monosodium glutamate industrial wastewater on plant growth and soil characteristics. *Ecological Engineering*. 35: 1559-1563. (SCI). IF. 2.175-39/160-Environmental Science.
 130. Chou, J.-H., Lee, J.-H., Lin, M.-C., Chang, P.-S., Arun, A. B., Young, C. C., Chen, W.-M. (2009). *Paenibacillus contaminans* sp. nov., a novel bacterium isolated from laboratory contaminated plate. *International Journal of Systematic and Evolutionary Microbiology*. 59: 125-129. (SCI). IF. 2.662-31/89-Microbiology.
 131. Shen, F. –T., Ho, M.-J., Lin, J.-L., Huang, H.-R., Arun, A. B., Young, C. C. (2008). Molecular detection and phylogenetic characterization of *Gordonia* species in heavily oil-contaminated soils *Research in Microbiology*. 159: (7-8): 522-529. (SCI). IF. 2.504-35/89-Microbiology.
 132. Lai, W.-A., Rekha, P. D., Arun, A. B., Young, C. C. (2008). Effect of mineral fertilizer, pig manure, and *Azospirillum rugosum* on growth and nutrient contents of *Lactuca sativa* L. *Biology and Fertility of Soils*. 45: 155-164. (SCI). IF. 3.39-10/29-Soil Science.

133. Lin C.-C., Arun A. B., Rekha P. D., Young C. C. (2008). Suitability of application of wastewater from paper and food seasoning industries with green manure to enhance soil organic carbon. *Bioresource technology*. 99: 6190-6197. (SCI). IF. **5.09**-1/9 Agri. Engg., 4/62-Energy & Fuels.
134. Young, C. C., Arun, A. B., Kämpfer, P., Lai, W.-A., Chen, W.-M., Shen, F.-T., and Rekha, P. D. (2008). *Sphingobium rhizovicius* sp. nov., isolated from rhizosphere of *Fortunella hindsii* (Champ. ex Benth.) Swingle. *International Journal of Systematic and Evolutionary Microbiology*. 58: 1801-1806. IF. 2.662-31/89-Microbiology.
135. Bhat, R., Sridhar, K. R., Young, C. C., Arun, A. B., Ganesh, S. (2008). Composition and functional properties of raw and electron beam irradiated *Mucuna pruriens* seeds. *International Journal of Food Science and Technology* 43, 1338-1351. (SCI). **1.354**
136. Lin, M.-C., Chou, J.-H., Arun A. B., Young, C. C., Chen, W.-M. (2008). *Pseudogulbenkiania subflava* gen. nov. sp. nov., isolated from a cold spring. *International Journal of Systematic and Evolutionary Microbiology*. 58, 2384-2388. (SCI). IF. 2.662-31/89-Microbiology.
137. Chou, Y.-J., Chou, J.-H., Lin, M.-C., Arun, A. B., Young, C. C., Chen, W.-M. (2008). *Vogesella perlucida* sp. nov., isolated from a spring water. *International Journal of Systematic and Evolutionary Microbiology*. 58, 2939-2681. (SCI). IF. 2.662-31/89-Microbiology.
138. Lin, S. Y., Young, C. C., Hupfer, H., Siering, C., Arun, A. B., Chen, W. M., Lai, W. A., Shen, F. T., Rekha, P. D., Yassin, A. F. (2009). *Azospririllum picis* sp. nov., isolated from the discarded tar. *International Journal of Systematic and Evolutionary Microbiology*. 59: 761-765. SCI. IF. 2.662-31/89-Microbiology.
139. Chou, J.-H., Cho, N.-T., Arun, A. B., Young, C.-C., Chen, W.-M. (2008). *Nocardioides fonticola* sp. nov., isolated from a spring water. *International Journal of Systematic and Evolutionary Microbiology*. 58: 1864-1868. IF. 2.662-31/89-Microbiology.
140. Chou, J.-H., Cho, N.-T., Arun, A. B., Young, C. C., Chen, W.-M. (2008). *Luteimonas aquatica* sp. nov., isolated from fresh water spring from southern Taiwan. *International Journal of Systematic and Evolutionary Microbiology*. 58, 2051 – 2055. (SCI). IF. 2.662-31/89-Microbiology.
141. Kämpfer, P., Thummes, K., Horng, C.-I., Tan, C. C., Arun, A. B., Chen, W. M., Lai, W. A., Shen, F.-T., Rekha, P. D., Young, C. C (2008). *Pseudacidovorax intermedius* gen. nov., sp. nov., a novel betaproteobacterium isolated from the soil. *International Journal of Systematic and Evolutionary Microbiology*. 58: 491-495 (SCI). IF. 2.662-31/89-Microbiology
142. **Arun, A. B.**, Schumann, P., Tan, C.-C., Horng, C.-I., Chen, W. M., Lai, W.-A., Kämpfer, P., Shen, F.-T., Rekha, P. D., Hung, M.-H., Chou, J.-H., Young, C. C. (2008). *Pseudoxanthobacter soli* gen. nov., sp. nov., a novel

- nitrogen fixing *Alphaproteobacterium* isolated from soil. *International Journal of Systematic and Evolutionary Microbiology*. 58, 1571-1575. (SCI). IF. 2.662-31/89-Microbiology
143. Chang, M-H., Young, C. C., Chien, S.-Y., Arun A. B (2008). Over expression of recombinant *Pichia pastoris* X33 phytase and its application to rapidly enhance the available phosphorus in fermented liquid of rice bran. *Annals of Microbiology*. 58 (2): 233-238. (SCI). IF. 0.427-87/89-Microbiology
 144. Young, C. C., Arun, A. B., Kämpfer, P., Lai, W. A., Busse, H.-J., Chen, W. M., Chao, J.- H., Shen, F.-T., Rekha, P. D., (2008). *Chromobacterium aquaticus* sp. nov., a non-violet bacterium isolated from spring water samples. *International Journal of Systematic and Evolutionary Microbiology*. 58: 877-880. (SCI). IF. 2.662-31/89-Microbiology
 145. Young, C. C., Hupfer, H., Siering, C., Ho, M. J., Arun, A. B., Lai, W. A., Rekha, P. D., Shen, F.-T., Hung, M. H., Chen, W. M., Yassin, A. F. (2008). *Azospirillum rugosum* sp. nov., isolated from oil contaminated site. *International Journal of Systematic and Evolutionary Microbiology*. 58: 959-963. (SCI). IF. 2.662-31/89-Microbiology
 146. Suseelan, K. N., Arun, A. B., Pandey, R., Gopalakrishna, T. (2007). Characterization of Con C, a lectin from *Canavalia cathartica* Thouars seeds. *Food Chemistry*. 104 (2): 528-535. (SCI). IF. 2.433-6/96-Food Science & Technology
 147. Chen, W-M., Lin, K-Y., Chou, J-H., Sheu, S-Y., Sheu, D-S., Chang, P-S., Arun, A. B., Young, C-C. (2007). *Tenacibaculum litopenaei* sp. nov., isolated from a shrimp mariculture pond. *International Journal of Systematic and Evolutionary Microbiology*. 57: 1148-1153. (SCI). IF. 2.662-31/89-Microbiology
 148. Chou, J.-H., Lin, K.-Y., Lin, M.-C., Sheu, S.-Y., Wei, Y.-H., Arun, A. B. Young, C.C., Chen, W.-M. (2007). *Brachy bacterium phenoliresistens* sp. nov. isolated from oil contaminated seaside soil. *International Journal of Systematic and Evolutionary Microbiology*. 57: 2694-2698. (SCI). IF. 2.662-31/89-Microbiology
 149. Chou, Y.-J., Chou, J.-H., Lin, K.-Y., Lin, M.-C., Wei, Y.-H., Arun, A. B., Young, C. C., Chen, W.-M. (2008). *Rothia terrae* sp. nov. Isolated from soil in Taiwan. *International Journal of Systematic and Evolutionary Microbiology*. 58: 84-88. (SCI). IF. 2.662-31/89-Microbiology
 150. Young, C. C., Chou, J. -H., Yen, W.-S., Arun, A. B., Sheu, S.-Yi., Shen, F.-T., Lai, W.-A., Rekha, P. D., Chen, W.-M. (2007). *Comamonas compostus* sp. nov., isolated from the food waste compost. *International Journal of Systematic and Evolutionary Microbiology*. 58: 251-256. (SCI). IF. 2.662-31/89-Microbiology
 151. Young, C. C., Ho, M. J., Hupfer, H., Arun, A. B., Chen, W. M., Lai, W. A., Shen, F.-T., Rekha, P. D., Hung, M. H., Yassin, A. F. (2007).

- Sphingomonas olei* sp. nov., isolated from oil contaminated soil. *International Journal of Systematic and Evolutionary Microbiology*. 57: 2613-2617. (SCI). IF. 2.662-31/89-Microbiology
152. Young, C. C., Ho, M. J., Arun, A. B., Chen, W.-M., Lai, W.-A., Shen, F. - T., Rekha, P. D., Yassin, A. F. (2007). *Pseudoxanthomonas spadix* sp. nov., isolated from oil contaminated soil. *International Journal of Systematic and Evolutionary Microbiology*. 57:1823-1827. (SCI). IF. 2.662-31/89-Microbiology
 153. Chou, Y-J., Chou, J-H., Lin, K. Y., Sheu, S-Y., Sheu, D-S., Arun, A. B., Young, C. C., Chen, W-M. (2007). *Paenibacillus fonticola* sp. nov., a novel bacterium isolated from a warm spring. *International Journal of Systematic and Evolutionary Microbiology*. 57: 1346-1350. (SCI). IF. 2.662-31/89-Microbiology.
 154. Yassin, A. F., Chen, W.-M., Hupfer, H., Siering, C., Kroppenstedt, R. M., Arun, A. B., Lai, W.-A., Shen, F. T., Rekha, P. D., Young, C. C. (2007). *Lysobacter defluvii* sp. nov. isolated from municipal solid waste. *International Journal of Systematic and Evolutionary Microbiology*. 57: 1131-1136. (SCI). IF. 2.662-31/89-Microbiology.
 155. Young, C. C., Kämpfer, P., Ho, M- J., Busse, H. J., Huber, B., Arun, A. B., Shen, F- T., Lai, W- A., Rekha P. D. (2007). *Arenimonas malthae* sp. nov., a *Gammaproteobacterium* isolated from oil contaminated site. *International Journal of Systematic and Evolutionary Microbiology*. 57: 2790-2793. (SCI). IF. 2.662-31/89-Microbiology.
 156. Shen, F- T., Huang, H- R., Arun, A. B., Lu, H- L., Lin, T- C, Rekha, P. D., Young, C. C. (2007). Detection of filamentous genus *Gordonia* in foam samples using genus-specific primers combined with PCR-DGGE analysis. *Canadian Journal of Microbiology*. 53 (6): 768-774. (SCI). IF. 1.275-71/89-Microbiology.
 157. Yassin, A. F., Shen, F.-T., Hupfer, H., Arun, A. B., Lai, W.-A., Rekha, P. D., Young, C. C. (2007). *Gordonia malaquae* sp. nov., isolated from sludge of wastewater treatment plant. *International Journal of Systematic and Evolutionary Microbiology*. 57: 1065-1068. (SCI). IF. 2.662-31/89-Microbiology.
 158. Chou, J. H., Sheu, S.Y., Lin, K. Y., Chen, W. M., Arun, A. B., Young, C. C (2006). *Comamonas odontotermite* sp. nov., isolated from gut of the termite *Odontotermes formosanus*. *International Journal of Systematic and Evolutionary Microbiology*. 57: 887-891. (SCI). IF. 2.662-31/89-Microbiology.
 159. Young, C. C., Kämpfer, P., Chen, W. M., Yen, W. S., Arun, A. B., Lai, W. A., Shen, F. T., Rekha, P. D., Lin, K. Y., Chou. J. H. (2007). *Luteimonas compostus* sp. nov., a moderately thermophilic bacterium isolated from the food waste. *International Journal of Systematic and*

- Evolutionary Microbiology*. 57:741-744. (SCI). IF. 2.662-31/89-Microbiology.
160. Chou, J. H., Chen, W. M., Arun, A. B., Young, C. C (2007) *Trabulsiella odontotermite* sp. nov., isolated from termite *Odontotermes formosanus*. *International Journal of Systematic and Evolutionary Microbiology*. 57: 696-700. (SCI). IF. 2.662-31/89-Microbiology.
 161. Yassin, A. F., Young, C. C., Lai, W. A., Hupfer, H., Arun, A. B., Shen, F. T., Rekha, P. D., Ho, M. J. (2007). *Williamsia serinedens* sp. nov., a novel species of the genus *Williamsia* isolated from an oil contaminated soil. *International Journal of Systematic and Evolutionary Microbiology*. 57: 558-561. (SCI). IF. 2.662-31/89-Microbiology.
 162. Shen, F- T., Goodfellow, M., Jones, A. L., Chen, Y. P., Arun, A. B., Lai, W- A., Rekha, P. D. (2006). *Gordonia soli* sp. nov., a novel actinomycete isolated from soil. *International Journal of Systematic and Evolutionary Microbiology*. 56: 2597-2601. (SCI). IF. 2.662-31/89-Microbiology.
 163. Kämpfer, P., Young, C. C., Arun, A. B, Shen, F- T., U. Jackel, R., Rosséllomora, R., Lai, W- A., Rekha, P. D. (2006). *Pseudolabrys taiwanensis* gen. nov., sp. nov., a novel *Alphaproteobacterium* isolated from soil. *International Journal of Systematic and Evolutionary Microbiology*. 56: 2469-2472. (SCI). IF. 2.662-31/89-Microbiology.
 164. Kämpfer, P, Young C. C., Sridhar K. R., Arun, A. B., Lai W- A., Shen F- T., Rekha P. D (2006). Transfer of [*Flexibacter*] *sancti*, [*Flexibacter*] *filiformis*, [*Flexibacter*] *japonensis*, [*Cytophaga*] *avensicola*, *Terramonas ferruginea* and *Terramonas lutea* to the genus *Chitinophaga* and description of *Chitinophaga skermanii* sp. nov. *International Journal of Systematic and Evolutionary Microbiology*. 56: 2223-2228 (SCI). IF. 2.662-31/89-Microbiology.
 165. Young, C. C., Rekha, P. D., Lai, W- A., Arun. A. B. (2006). Encapsulation of Plant Growth Promoting Bacteria in Alginate Beads Enriched with Humic acid. *Biotechnology Bioengineering*. 95: 76-83. (SCI). **IF. 4.0** 32/140-Applied Microbiology & Biotechnology.
 166. Rekha, P. D., Lai, W- A., Arun, A. B., Young C. C. (2007). Effect of free and encapsulated *Pseudomonas putida* CC-FR2-4 and *Bacillus subtilis* CC-pg 104 on plant growth under gnotobiotic conditions. *Bioresource Technology*. 98: 447-451 (SCI). **IF. 5.0**, 1/9 Agri. Engg., 5/62-Energy & Fuels.
 167. Chen, Y. P., Rekha, P. D., Arun, A. B., Shen, F. T., Lai, W- A., Young, C. C (2006) Phosphate solubilizing bacteria from subtropical soil and their tricalcium phosphate solubilizing abilities. *Applied Soil Ecology*. 34: 33-41. (SCI). IF. **2.206**-4/29-Soil Science. ©Science Direct TOP 25 Hottest Articles of Applied Soil Ecology in 2006-2010.

168. Arun A. B., Sridhar, K. R (2006) Arbuscular mycorrhizal association with coastal sand dune legumes of southwest coast of India. *Mycorrhiza News* 18: 13-17.
169. Seena. S., Sridhar, K. R., Arun, A. B., Young C. C. (2006). Effect of roasting and cooking on nutritional and protein quality of seeds of mangrove legume *Canavalia cathartica* from southwest coast of India. *Journal of Food Composition and Analysis*. 19: 284-293. (SCI). IF. 1.655-21/96-Food Science & Technology
170. Lai, W. A., Kämpfer, P., Arun A. B., Shen, F- T., Huber, B. Rekha, P. D., Young, C. C. (2006) *Deinococcus ficus* sp. nov., isolated from the rhizosphere of *Ficus religiosa* L. *International Journal of Systematic and Evolutionary Microbiology*. 56: 787-791. (SCI). IF. 2.662-31/89-Microbiology.
171. Shen, F- T, Lu, H- L, Lin, J. L., Huang, W- S., Arun, A. B., Young, C. C (2006). Phylogenetic analysis of members of the genus *Gordonia* based on *gyrB* gene. *Research in Microbiology*. 157: 367-375. (SCI). IF. 2.504-35/89-Microbiology.
172. Arun, A. B., Sridhar, K.R. (2005). Novelty of coastal sand dune rhizobia of southwest coast of India. *International Journal of Forest Usufructs Management* 6, 60-68.
173. Bhagya, B., Sridhar, K. R., Arun, A. B. (2005). Diversity of legumes and arbuscular mycorrhizal fungi in the coastal sand dunes of southwest coast of India. *International Journal of Forest Usufructs Management*. 6, 1-18.
174. Bhagya, B., Sridhar, K. R., Seena, S., Young, C. C., Arun, A. B., Nagaraja, K. V. 2006. Nutritional qualities and *in vitro* starch digestibility of ripened *Canavalia cathartica* beans of coastal sand dunes of southern India. *Electronic Journal of Environment, Agriculture and Food Chemistry*. 5: 1241-1252.
175. Seena, S., Sridhar, K. R., Arun, A. B (2007) *Canavalia cathartica* of southwest coast of India – A neglected wild legume. *Biodiversity International* (IPGRI/FAO Plant Genetic Resources Newsletter) 150:16-20.
176. Chen, T. L., Chou, Y. J., Chen, W. M., Arun, A. B., Young, C. C (2006) *Tepidimonas taiwanensis* sp. nov., a novel alkaline protease producing bacteria isolated from a hot spring. *Extremophiles* 10:35-40 (SCI). IF. 1.921. 62/89-Microbiology.
177. Hung, M. H., Arun, A. B., Shen, F- T., Rekha, P. D., Young, C. C. (2005). Indigenous rhizobia associated with native shrubby legumes in Taiwan. *Pedobiologia*. 49: 577-584. (SCI). IF. 1.667-62/114-Ecology. Top 25 Hottest Article in Science Direct. Jan-Mar. 2006-23/25). [©Science Direct TOP 25 Hottest Articles of Pedobiologia in 2005](#).
178. Sridhar, K. R., Arun, A. B., Narula, N., Anette, D., Merbach, W. (2005). Pattern of sole-carbon-source utilization by fast growing coastal sand dune

- Rhizobia* of southwest coast of India. *Engineering in life science*. 5, 425-430. (SCI). IF. **1.89**
179. Shen, F. T., Kampfer, P., Young, C. C., Lai, W. A., Arun, A. B (2005). *Chryseobacterium taichungense* sp. nov., isolated from contaminated soil. *International Journal of Systematic and Evolutionary Microbiology*. 55:1301-4. (SCI). IF. 2.662-31/89-Microbiology.
 180. Young, C. C., Kampfer, P., Shen, F. T., Lai, W. A., Arun, A. B (2005). *Chryseobacterium formosense* sp. nov., isolated from the rhizosphere of *Lactuca sativa* L. (Garden lettuce). *International Journal of Systematic and Evolutionary Microbiology*. 55. 432-436. (SCI). IF. 2.662-31/89-Microbiology.
 181. Arun, A. B., Sridhar, K. R. (2005) Growth tolerance of rhizobia isolated from sand dune legumes of the southwest coast of India. *Engineering in Life Sciences*. 5 (2), 134-138. (SCI). IF. **1.89**
 182. Young, C. C., Su, C. H., Li, G. C., Wang, M. C., Arun A. B (2004). Prospects for Nitrogen incorporation into humic acid as evidenced by alkaline extraction method. *Current Science*. 87 (12). 1704-1708 (SCI). IF. 0.737-18/50-Multidisciplinary.
 183. Arun, A. B., Sridhar, K. R. (2004). Symbiotic performance of fast-growing rhizobia isolated from the coastal sand dune legumes. *Biology and Fertility of Soils*. 40. 435-439. (SCI). IF. **3.9** -10/29-Soil Science.
 184. Arun, A. B., Sridhar, K. R., Raviraja, N. S., Schmidt, E., Jung, K. 2003. Nutritional and anti-nutritional components of seeds of *Canavalia* spp. from the west coast sand dunes of India. *Plant Foods for Human Nutrition*. 58.1-13. (SCI). IF. **2.416**-61/96-Food Science & Technology.
-
185. Arun, A. B., Raviraja, N. S., Sridhar, K. R. 2001. Effect of temperature, salinity and burial on seed germination and seedling emergence of five coastal sand dune legumes. *International Journal of Ecosystem and Environmental Science*. 27, 23-29. (SCI).
 186. Beena, K. R., Arun, A. B., Raviraja, N. S., Sridhar, K. R. 2001. Association of arbuscular mycorrhizal fungi with plants of coastal sand dunes of west coast of India. *Tropical Ecology*. 42, 213-222.
 187. Beena, K. R., Arun, A. B., Raviraja, N. S., Sridhar, K. R. 2001. Arbuscular mycorrhizal status of *Polycarpaea corymbosa* (Caryophyllaceae) on sand dunes of west coast of India. *Ecology, Environment and Conservation* 7, 355-363. (SCI).
 188. Beena, K. R., Raviraja, N. S., Arun, A. B., Sridhar, K. R. 2000. Diversity of arbuscular mycorrhizal fungi on the coastal sand dunes of the west coast of India. *Current Science*. 9, 1459-1466. (SCI). IF. 0.737-18/50-Multidisciplinary.
 189. Arun, A. B., Beena, K. R., Raviraja, N. S., Sridhar, K. R. 1999. Coastal sand dunes - A neglected ecosystem. *Current Science*. 77, 19-21. (SCI). IF. 0.737-18/50-Multidisciplinary.

Publications in Books and Manuals (Peer reviewed)

190. Sridhar, K.R., Karamchand, K.S., Sudheep, N.M., Maria, G.L. and Arun, A.B. 2022. Diversity of freshwater ascomycetes in the Western Ghats of India. In: *Freshwater Mycology: Perspectives of Fungal Dynamics in Freshwater Ecosystems*, Bandh, S.A. and Shafi, S. (Ed.). Elsevier, Academic Press, London, (February 05, 2022).
191. Rekadwad B, Li W J, Gonzalez J M, Parwez K, Rekha P D, Arun A B. (2021). Unculture actinobacteria and reverse engineering and artificial intelligence role in future. In: Karthik L (Ed), *Actinobacteria-Microbiology to Synthetic Biology* (In press).
192. Sonia, J., Sapna, K., Asiamma, A., Bushra, A., Arun, A. B., Prasad, K. S. (2021). Implantable and non-invasive nanosystems and their applications in healthcare. CRC Press/Taylor & Francis, UK. (In press)
193. Sapna K., Sonia, J., Kumara, B. N., Arun, A. B., Prasad, K.S. (2021). Carbon nanotubes for bio-imaging Applications. Springer, Singapore. (In press)
194. Khalid P., Arun A B., Zawed A., Rekadwad, B., Budihal S. V. (2021). Carbon Nanotubes integrated Hydroxyapatite Nano-Composite for Orthopaedic and Tissue Engineering Applications. In: *Sol Gel and other Fabrication Methods of Advanced Carbon Materials* (Eds. Ikram M., Maqsood A). Intech open. DOI: 10.5772/intechopen.97428.
195. Sapna K., Sonia K., Kumara BN., Nikhitha A., Shenoy M., Arun AB., Prasad, K.S. (2020). Potential environmental effects of engineered antimicrobial surfaces. In: *Engineered Antimicrobial Surfaces* (Eds., Snigdha S., Thomas SS., Radhakrishnan E. K., Kalarikkal N). Springer Nature Switzerland AG. pp. 135-163.
196. Supriya P., Sridhar K. R., Arun A.B (2019). Impact of Electron Beam Irradiation on the nutritional attributes of seeds of coastal sand dune wild legume *Canavalia cathartica*. In: *Plant and Human Health*, (Eds. M. Ozturk, K. R. Hakeem) Volume 2, Springer Nature Switzerland AG. Springer Nature, 607-625.
197. Supriya P., Sridhar K. R., Arun A.B (2017). Improvement of nutritional attributes of *Canavalia cathartica* seeds by electron beam irradiation. In: *Handbook of Food Engineering* (Ed. Grumezescu A M., Holban A M.) Publisher: Elsevier, Oxford
198. Priyanka P., Arun A.B., Rekha P. D (2014). Emerging therapeutic applications of bacterial exopolysaccharides. In: *Biomaterial Applications-Micro to Nano Scales* (Ed. Thomas S., Kalarikkal N., Weimin Y., Babu SS). Apple Academic Press Inc., USA. Pp...

199. Khalid P., Hussain M. A., Rekha P. D., Suman V. B., Arun A. B (2012). Modification of Carbon Nanotubes for Bio-applications and Toxicity Evaluation. In: *Nano Biomaterials* (Ed. Rajendran, P. Prabu, P and Geckeler, K. E). Bloomsbury Publishing India Pvt. Ltd. 155-160.
200. Sridhar, K. R., Arun, A. B., Maria, G.L. and Madhyastha, M. N. 2011. Diversity of Fungi on Submerged leaf and Woody Litter in River Kali, Southwest India. In: *Advances in Environmental Research*. Vol.19 (Ed. Daniels, J. A) Nova Publishers. USA.
201. D'Cunha, M., Sridhar, K.R., Bhat, R. and Arun, A.B. 2011. Nutritional assessment of sprouted seeds of coastal sand dune *Canavalia maritima*. In: *Sand Dunes: Ecology, Geology and Conservation* (Ed. Galvin, C.D.), Nova Science Publishers Inc., New York, 157.
202. Sridhar, K.R. and Arun, A.B. 2008. Coastal sand dune vegetation and microbial resources – Benefits, threats and safeguards. In: *Potential Microorganisms for Sustainable Agriculture – A Techno-Commercial Perspective* (Ed. Maheshwari, D.K. and Dubey, R.C.). IK International Publishing House Pvt. Ltd., New Delhi, India, 460-475.
203. Rekha, P. D., Arun, A. B., and Young, C. C. 2009. Whole cell biosensors for detection of quorum sensing signal molecules in Gram negative bacteria. In: *Biotechnology: Concepts and Applications*. Eds. Ravishankar Rai Vittal, Rajeev Bhat. Narosa Publishing House, New Delhi, India. pp. 480.
204. Young, C. C., Rekha, P. D. and Arun, A. B. 2006. What happens during composting? In: *Compost Production; A manual for Asian farmers*. Z. S. Chen (ed). Food and Fertilizer Technology Center, 2005:8-19. <http://www.fftc.agnet.org>.
205. Young, C. C. Shen, F. T., Arun, A. B. Hung, M. H. Lai, W. A., Huang, W. S. and Rekha, P. D. 2005. Exploring diversity of culturable nitrogen fixing organisms to increase soil fertility. In: Z. Zhu., K. Minami and G. Xing (Eds). Science press USA Inc. pp. 211-215.
206. Madhyastha, M.N., Sridhar, K.R., Thanuja, K. and Arun, A.B. 2002. Baseline studies on the benthic ecology and thermal tolerance of some selected species from Kaiga environs. In: *Thermal Ecology*. Venkataramani, B. and Sukumaran, N. (Ed.), Board of Research in Nuclear Sciences, Department of Atomic Energy, Mumbai and Manonmanian Sundaranar University, Sri Paramakalyani Centre for Environmental Sciences, Alwarkurichi (Tamil Nadu), 114-121.

Research publications in Conference proceedings (Peer reviewed)

207. Sowmya S., Rekha, P. D., Karunakara N and Arun A. B. (2012). Diversity of Phosphate Solubilizing Bacteria from Proposed Uranium Mining Site.

- In Proceedings of 3rd World Congress on Biotechnology, 13th -15th Sept. 2012 held in Hyderabad, India. Journal of Biotechnology and Biomaterials. 2 (6); 262.
208. Madhyastha, M. N., Sridhar, K. R., Tanuja, K and Arun, A. B. (2002). Baseline studies on the benthic ecology and thermal tolerance of some selected species from Kaiga environs. In Proceedings of 1st National symposium on Thermal Ecology. Held at M.S. University, Tirunelveli, T.N. India on 1-3rd Feb. 2002.
 209. Young, C. C. Shen, F. T., A. B. Arun, Hung, M. H. Lai, W. A., Huang, W. S. and Rekha, P. D. (2005). Exploring diversity of culturable nitrogen fixing organisms to increase soil fertility. In: Z. Zhu., K. Minami and G. Xing (Eds). Proceedings of the 3rd International Nitrogen Conference, 12-16th Oct. Nanjing, China. Science press USA Inc. pp. 211-215.

Research papers/invited lectures presented at scientific conferences/symposia

210. Anjali K, Arun AB, Parthiban R, Saravanan M. Metagenomic analysis of oral microbiome in oral cancer patients at a cancer centre at International virtual conference on oral microbiome –ORMICON 2020. Sree Balaji Dental College and Hospital, Chennai. June 2020.
211. Anjali K, Arun AB, Bastian TS, Parthiban R. Variation in the oral microbiota and its sensitivity profile in patients undergoing oral cancer treatment. 16th National Conference of Indian Association of Applied Microbiologist (IAAM), JSS University Mysore. 27-28th September 2018.
212. Anjali K, Arun AB, Bastian TS. Bacteria and oral cancer: “Cause or coincidence. Continuing Dental Education Programme conducted in Mahe Institute of Dental sciences and Hospital, November 2018.
213. Anjali K, Arun AB, Bastian TS, Parthiban R. Antibiotic profile of aerobic microorganism in oral cancer patients pre and post radiotherapy. International Conference on Antibiotic Stewardship and Infectious Diseases held at Amritha Viswavidha Peetham Kochi. 27-28th October, 2018.
214. Ashwini P, Priyanka P, Arun AB, Sindhu Priya ES, Rekha PD. Wound healing activity of an exopolysaccharide R-PS18 isolated from a coastal *Rhizobium sp.* PRIM-18. Oral presentation in International Conference on Recent Advances in Materials and Chemical Sciences, held at Gandhigram Rural Institute, Dindigul, 14th to 15th December 2015.
215. Priyanka P, Arun AB, Ashwini P, Sahana TG, Rekha PD. “Structural and functional modifications of an exopolysaccharides produced by marine bacteria to enhance its biological activities” for presentation in the International Conference on Recent Advances in Materials and Chemical

- Sciences (ICRAMCS-2015), Gandhigram Rural Institute, Dindigul, 14th to 15th December 2015.
216. Sahana TG, Ashwini P, Arun AB , Priyanka P, Rekha PD. Acceleration of wound healing by a biopolymer of marine origin. International Conference on Recent Advances in Materials and Chemical Sciences, held at Gandhigram Rural Institute, Dindigul, 14thto15th December 2015.
 217. Khalid P., Hussain M. A., Rekha P. D., Suman V. B., Arun A. B (2014). *Carbon Nanotubes Reinforced Hydroxyapatite Composites for Biomedical Application*. In: International Workshop on Coating & Surface for Biomedical Engineering (IWCSB-2014). pp. 37. IIT, Madras, India
 218. Khalid P., Hussain M. A., Rekha P. D., Suman V. B., Arun A. B (2012). *Modification of Carbon Nanotubes for Bio-applications and Toxicity Evaluation*. In: IUPAC sponsored 6th International Symposium on Molecular and Supramolecular Architectures and Materials (MAM-12): Nano Systems and Applications. 21-25th November, 2012. Hotel Le-Meridien, Coimbatore, India.
 219. Karthika K., Arun A. B., Rekha P. D (2012). *Combined effect of Alkali and Electron Beam Radiation (EBI) on the Enzymatic Hydrolysis and Structural Aspects of Hybrid Napier Grass*. In: Third International Conference on Natural Polymers, Biopolymers, Bio-Materials, their composites, Blends, IPNs, Polyelectrolyte's and Gels: Macro and Nano Scales. ICNAP 2012. 26-28th Oct., 2012. Center for Nano-Science and Technology, Mahatma Gandhi University, Kottayam, Kerala and Beijing University of Chemical Technology, Beijing, China.
 220. Priyanka P, Arun A. B and Rekha P. D (2012). Free Radical Mediated Depolymerisation of *Rhizobium* sp. PRIM-17 *Exopolysaccharide for improved biological activities*. In: Third International Conference on Natural Polymers & Biomaterials. **Mahatma Gandhi University, Kottayam, Kerala, India**. October 26, 27 & 28th 2012.
 221. Ajith Kumar K. A., Ajay Kumar L. S., Sowmya S., Rekha P. D and Arun A. B (2012). *Hepatotoxicity of Ingested Uranium in Albino Wistar Rats*. In: 33rd Annual Conference of Indian Association of Biomedical Scientists, India. Nitte University, Mangalore, India. 1st -3rd, November 2012.
 222. Sudharshan P., Rekha P. D., Kiran Kumar, Devasagayam T. P. A. and Arun A. B (2012). Antioxidant Potential of Zeaxanthin from Novel *Muricauda* sp. YUAB-SO-45. In: *International Conference on Free Radicals and Antioxidants In: Health and Disease*. 9th January, 2012. MGM Institute of Health Sciences, Navi Mumbai, India. pp. 73.
 223. Sowmya S., Rekha, P. D. and A. B. Arun (2011). Culturable Bacterial Diversity from Natural Background Radiation site and their phosphate solubilizing abilities. In: *International Conference on Microbial Biotechnology for Sustainable Development*. 52nd Annual Conference of

- Association of Microbiologists of India (AMI). 3rd to 6th November 2011. Punjab University, Chandigarh, India.
224. Karthika K., Arun A. B and Rekha, P. D. (2011). Evaluation of Effectiveness of Electron Beam Irradiation and Microwave treatments on Enzymatic Hydrolysis of Biomass. In: International Conference on Microbial Biotechnology for Sustainable Development. 52nd Annual Conference of Association of Microbiologists of India (AMI). 3rd-6th November 2011. Punjab University, Chandigarh, India.
 225. Sudharshan P., Rekha, P. D., A. B. Arun (2011). Antioxidant potential of carotenoid isolated from *Fontibacter flavus* strain YUAB-SR-25. In: International Conference on Microbial Biotechnology for Sustainable Development. 52nd Annual Conference of Association of Microbiologists of India (AMI). 3rd to 6th November 2011. Punjab University, Chandigarh, India.
 226. Vasavi, H. S., Arun, A. B and Rekha, P. D (2011). Quorum sensing regulated swarming motility in *Pseudomonas aeruginosa* PA01 is blocked by *Canavalia rosea* L. In: International Conference on Microbial Biotechnology for Sustainable Development. 52nd Annual Conference of Association of Microbiologists of India (AMI). 3rd to 6th November 2011. Punjab University, Chandigarh, India.
 227. Prinaka, P., Arun, A. B and Rekha, P. D (2011). Anionic exopolysaccharide isolated from halotolerant bacteria YU PRIM-33 and its characterization. In: International Conference on Microbial Biotechnology for Sustainable Development. 52nd Annual Conference of Association of Microbiologists of India (AMI). 3rd to 6th November 2011. Punjab University, Chandigarh, India.
 228. Vasavi, H. S., Arun, A. B and Rekha, P. D (2011). *Inula racemosa* shows inhibition of quorum sensing controlled activities in *Chromobacterium violaceum* 12472 and *Pseudomonas aeruginosa* PAO1. CSIR “National Conference on Dissecting the Complexities of Plant Biotechnology in the Post-Genomic Era”, Tumkur University, Tumkur, 21st September, 2001. Karnataka, India.
 229. Satnam Singh, P.D. Rekha, A. B. Arun, Fo-Ting Shen, Wei-An Lai and Chiu-Chung Young. (2011). Production of plant growth promoting bacteria using monosodium glutamate wastewater as a culture medium and its effect on the growth of *Brassica chinensis* L. cv. Affection. The 10th International Conference of the East and Southeast Asia Federation of Soil Science Societies (ESAFFS), October 10-13, 2011. Colombo, Sri Lanka.
 230. Sudarshan P., Rekha P.D. and Arun A.B., 2011, Novel marine bacteria producing Astaxanthin and Zeaxanthin Pigments. Bangalore India Bio, International Biotechnology Conference and Trade Show, Bangalore international Exhibition Center, Bangalore, organized by Vision Group on Biotechnology, Gov. of Karnataka. May 4-6, 2011.

231. Priyanka P., Arun A. B. and Rekha P.D., 2011, An efficient EPS producing Haloterant bacterium isolated from coastal Karnataka. Bangalore India Bio, International Biotechnology conference and Trade Show, Bangalore international Exhibition Center, Bangalore, organized by Vision Group on Biotechnology, Gov. of Karnataka. May 4-6, 2011.
232. Chun-Liang Lin, Fo-Ting Shen, Chen Chung Tan, Chieh Chen Huang, A. B. Arun., Chiu-Chung Young and Rekha, P. D. (2010). Degradation of Naphthalene by *Gordonia* sp. CC-NAPH129-6. 51st Annual Conference of Association of Microbiologists of India (AMI). 14th to 17th December 2010. Ranchi, Jharkhand, India.
233. Rekha, P. D., Arun, A. B. (2010). N-Acyl-L-Homoserine Lactones produced by pigmented *C. substugae* PRAA4-1^T and non-pigmented *Chromobacterium aquaticus* CC-SEYA-1^T. 51st Annual Conference of Association of Microbiologists of India (AMI). 14th to 17th December 2010. Ranchi, Jharkhand, India.
234. Vasavi, H. S., Arun, A. B., Sowmya, S., Karthika, K., Sudharshan, P., Rekha, P. D. (2010). *Embllica officinalis* Inhibits the Quorum Sensing in *Chromobacterium violaceum*. 51st Annual Conference of Association of Microbiologists of India (AMI). 14th to 17th December 2010. Ranchi, Jharkhand, India.
235. Karthika, K., Arun, A. B., Sudharshan, P., Vasavi, H. S., Sowmya, S., Rekha, P. D. (2010). Enzyme degradation of rice straw by two fungal strains YU-PDR-KF1 and YU-PDR-KF2. 51st Annual Conference of Association of Microbiologists of India (AMI). 14th to 17th December 2010. Ranchi, Jharkhand, India.
236. Arun, A. B., Kämpfer P., Rekha, P. D., Schumann, P., Sowmya, S. (2010). *Microbacterium arthrosphaerae* sp. nov., A Novel species of bacteria isolated from the faeces of pill millipede. 51st Annual Conference of Association of Microbiologists of India (AMI). 14th to 17th December 2010. Ranchi, Jharkhand, India.
237. Sudharshan, P., Rekha, P. D., Karthika, K., Vasavi, H. S., Sowmya, S., Arun, A. B. (2010). Characterization and Quantification of a yellow pigment produced by *Muricauda* sp. YUAB-SO-11. 51st Annual Conference of Association of Microbiologists of India (AMI). 14th to 17th December 2010. Ranchi, Jharkhand, India.
238. Singh, S., Rekha, P.D., Arun, A.B., Shen, F.T., Asif, H., Hung, M.H. and Young, C.C. 2009. Impacts of food industrial wastewater on plant growth and soil carbon sequestration. The 9th International Conference of the East and Southeast Asia Federation of Soil Science Societies. The Seoul Olympic Park Hotel, Seoul, Korea. 27-30th Oct. 2009. pp.
239. Lin, S.Y., A.B. Arun, W.M. Chen, W.A. Lai, F.T. Shen, P.D. Rekha and C.C. Young. 2009. *Azospirillum picis* sp. nov., isolated from discarded tar. The 47th Annual Meeting of the Agricultural Chemical Society of Taiwan. p.56.

240. Chu, J.N., A.B. Arun, W.M. Chen, J.H. Chou, F.T. Shen, P.D. Rekha, L.S. Young, S.Y. Lin and C.C. Young. 2009. *Agaricicola taiwanensis* gen. nov., sp. nov., a novel α -proteobacterium isolated from edible mushroom *Agaricus blazei* Murrill. The 47th Annual Meeting of the Agricultural Chemical Society of Taiwan. p.58
241. Arun, A.B., C.C. Young, W.M. Chen, M.H. Hung, W.A. Lai, J.H. Chou, P.D. Rekha, F.T. Shen, and S.P. Su*. 2009. *Belliella pelovolcani* sp. nov., isolated from a mud-volcano in Taiwan. Newsletter of Soil and Fertilizer. 92:97-98. Published by The Chinese Society of Soil and Fertilizer Sciences.
242. Madhyastha, M.N., Arun, A.B., Rekha, P.D., Syed, A.A. and Young, C.C. 2009. Technology for Animal Waste Bio-processing. National Conference on Bio-processing of Renewable Sources and Vaccine Technology. Adiparasakthi College of Arts and Sciences, Kalavai, Tamil Nadu, India. 21-22nd Oct. 2009.
243. Prasad, K.S., Arun, A.B., Rekha, P.D., Young, C.-C., Zen, J.-M. Electroanalysis and application of *Shewanella* sp modified disposable single use electrochemical sensor. 6th Asian Conference on Electrochemistry. Taipei, Taiwan.
244. Shen, F. T., Ho, M. J., Lin, J. L., Huang, C. C., Ho, Y. N., Cheng, S. S., Arun, A. B., Lin, T. C. and Young, C. C. 2008. Molecular detection of *Gordonia* populations and Catechol 1, 2-dioxygenase gene from heavy oil contaminated soils. 4th International symposium of environmental biotechnology. National Cheng Kung University, Tainan, Taiwan. pp. 131.
245. Young, C. C., Shen, F. T., Lai, W. A., Arun, A. B., and Rekha, P. D. 2008. Exploration of novel indigenous bacteria in Taiwan. International workshop: Research and status of Taiwan species diversity. Biodiversity Research Center, Academia Sinica, Taiwan. 15-16th Oct. 2008. pp.197-98.
246. Young, C. C., W. S. Yen, W. A. Lai, F. T. Shen, A. B. Arun, P. D. Rekha, J. H. Chou, and P. Kampfer. 2007. *Comamonas compostus* sp. nov., isolated from the food waste compost. Proceeding of 45th Conference on Agriculture Chemistry. Agricultural Chemical Society of Taiwan. P126. (in Chinese).
247. Young, C. C., H. R. Huang, A. B. Arun, F. T. Shen and P. D. Rekha. 2007. Effect of chemical and organic fertilizers on soil microbial diversity. Proceeding of International Symposium on Soil Biodiversity and Ecology. Biodiversity Research Center of National Taiwan University, Taiwan, Taipei. p.111-123.
248. Shen, F.T., M. Goodfellow, A. L. Jones, Y.P. Chen, A.B. Arun, W.A. Lai, P.D. Rekha and C.C. Young. 2006. Systematic classification of indigenous *Gordonia* species isolated from Taiwan. 3rd International symposium of environmental biotechnology. National Cheng Kung University, Tainan, Taiwan. p.78-79.

249. Rekha, P. D., W. A. Lai, A. B. Arun, and C. C. Young. 2006. Effect of free and encapsulated *Bacillus subtilis* CC-pg104 on plant growth under gnotobiotic conditions. Proceeding of 6th Taiwan-Mainland China Conference on Soil and Fertilizer Sciences. Chinese Society of Soil and Fertilizer Sciences, and Science Society of China. p.42. (in Chinese).
250. Arun A.B., Young, C. C and Rekha, P. D. 2006. Everything is everywhere; but, which is the right one? Microbial Taxonomy a selection tool for bioremediation. 3rd International Symposium of Environmental Biotechnology. National Cheng Kung University, Tainan, Taiwan. p.77& Invited lecture.
251. Suseelan, K. N., Arun A. B. and Gopalakrishna T (2006). Characterization of a lectin from *Canavalia cathartica* a wild *Canavalia* species. International Symposium on Food Legumes, New Delhi, India. 18th -22 Oct. 2005.
252. Young, C. C. Shen, F. T., Arun, A. B., Hung, M. H., Lai, W. A. and Huang, W. S. (2004). Exploring diversity of culturable nitrogen fixing organisms to increase soil fertility. Oral presentation of the 3rd International Nitrogen Conference, 12-16th Oct. Nanjing, China.
253. Young, C. C. Su, C. H., Li, G. C., Wang, M. C. and Arun, A. B. (2004). Relating Nitrogen assimilation by humic acid with chemical composition change in alkaline extraction method. Oral presentation and in Proceedings of the 3rd International Nitrogen Conference, 12-16th Oct. Nanjing, China.
254. Young, C. C., Shen, F. T., Lai, W. A., Hung, M. H., Huang, W. S. and Arun, A. B (2003). Phenotypic and Molecular characterization of phosphate solubilizing bacteria from Taiwan soils. In the proceedings of 2nd International symposium on Phosphorous Dynamics in Soil-Plant continuum, UWA, Australia. Sept 22-27, 2003.
255. Young, C. C., Lai, W. A., Shen, F. T., Hung, M. H., Huang, W. S. and Arun, A. B (2004). Diversity of beneficial microorganisms and their interactions in soils from agro-ecosystems. In the proceedings of the International Symposium on Impacts of Biodiversity on Biogeochemical Processes in Ecosystems: 18-24 April, Taipai, Taiwan.
256. Young, C. C., Shen, F. T., Arun., A. B., Yan, W. S., Liao, C. R., Hung, M. H., and Huang, J. L. (2004). Diversity of beneficial microorganisms and their interactions in soils from agro-ecosystem. International Symposium on Impacts of soil Biodiversity on biogeochemical Processes in ecosystems & workshop on Molecular Methods in Soil biological and biochemical diversity in Terrestrial Ecosystems. Taiwan Forestry Research institute. p.38-39.
257. Young, C. C., Lai, W. A., Shen, F. T., Hung, M. H., Huang, W. S. and Arun, A. B. (2003). Exploring the microbial potentiality to augment soil fertility in Taiwan. In the proceedings of 6th ESAFS International

- Conference: Soil management technology on low productivity and degraded soils, Taipei, Taiwan. Nov 25-27, 2003.
258. Young, C. C., Lai, W. A., Shen, F. T., Huang, W. S. and Arun, A. B. (2004). Characterization of multifunctional biofertilizer from Taiwan and biosafety considerations. International Symposium on Future development of Agricultural Biotechnology Park. The Symposium Series for celebrating the Establishment of the Agricultural Biotechnology Park, Council of agriculture, Executive Yuan, & the 80th Anniversary of National Ping-tong University of Science and Technology. p. 373-388.
 259. Arun, A. B., Sridhar, K. R., Raviraja, N. S. and Beena, K. R. (2001). Wild legumes of coastal sand dunes of India: Ecological and nutritional importance. Poster presentation in Forth International Legume conference, Legumes down under. Canberra, Australia, 2-6th July, 2001.
 260. Arun, A. B. and Sridhar K. R. (2000) Studies on coastal sand dunes of West coast of India. In National symposium on “Problems and Prospects of Environment in the New Millennium” held at Mangalore University, from December 14th to 16th, 2000.
 261. Arun, A. B., Beena, K. R., Raviraja, N. S. and Sridhar, K. R. (1999) Geographical diversity of AM fungi of coastal sand dunes’. 4th National conference on Mycorrhiza, held at Barkatulla University, Bhopal from March 5th to 7th 1999.

References

Professor K. R. Sridhar

Emirates Professor, Department of
Biosciences

Mangalore University,
Mangalagangothri, Konaje

Mangalore 575018, Mangalore,
Karnataka, India

Ph: +91 9741993216

Email: kandikere@gmail.com

Professor Chiu-Chung Young

Department of Soil and
Environmental Sciences, National
Chung Hsing University, Taichung
40227, Taiwan

Ph. +886-4-22840373-4302

Email: ccyoung@mail.nchu.edu.tw