

First Asian PGPR - Indonesia Chapter International e-Conference

ON
SUSTAINABLE AGRICULTURE & ECOTOURISM



Organized by
Biology Study Program, Faculty of Mathematics and Natural Sciences Udayana University,
Bali, Indonesia
Indonesia Chapter of Asian PGPR Society
Asian PGPR Society for Sustainable Agriculture

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Invitation

It is with immense pleasure that we cordially welcome you all to the First Asian PGPR Indonesia Chapter International e-Conference scheduled to be held from August 28-30, 2021. This conference is being organized by Biology Department, Mathematics and Natural Science, Udayana University, Bali, Indonesia in partnership with Indonesia Chapter of Asian PGPR Society and Asian PGPR Society for Sustainable Agriculture. We are anticipating a highly successful event studded with keynote lectures, oral and poster presentations and B2B discussions among the delegates spanning academia and industry in the field of PGPR. The field of PGPR is growing very rapidly in response to the societal needs for safe technologies, drawing researchers from a wide variety of research domains working together to bring benefits to mankind. The motto of the conference is to evolve ever more innovative and cutting edge PGPR technologies to promote sustainable agriculture and environment, contribute to "one health" and promote eco-tourism.

E-Conference Topics

- 1. PGPR, Biofertilizers, Microbial Biostimulants for Sustainable Crop production, Soil and Plant Health
- 2. PGPR Mitigation of Abiotic and Biotic Stresses, Biofungicides, Bioinsecticides, Induced Systemic Resistance
- 3. Recent Advances in PGPR-Soil and Plant Microbiome, Rhizosphere Engineering, Nanotechnology
- 4. Technology Innovation and Roadmaps for Commercialization of PGPR
- 5. PGPR in Resilient Agricultural Practices-Challenges in Lab to Land Transfer, Success Stories
- 6. PGPR and Evergreen Revolution: Organic Production, Safe Food and Eco-Tourism

Important Dates

Submission of abstract (Open) :May 1, 2021 Submission of abstract (Closing) :July 27, 2021

Registration (Open) :May 1, 2021

Registration (Close) :July 27, 2021

Conference dates :August 28-30, 2021

Abstract Details

- Official language for Abstracts: English
- ❖ Abstracts are to be submitted online (maximum 200 words)
- ❖ All abstracts will be judged by the Conference Program Committee
- Selected Abstracts (title or presentation, author, organization) will be included in the Conference Program
- All accepted papers will be published in the **Proceedings Scopus Index.** Selected papers will be published as a book by Springer or CABI.

Abstract Submission: ucs.unud.ac.id.

Also, please email to Dr. Ni Luh Suriani niluhsuriani@unud.ac.id; asianpgpr7@gmail.com with a copy too:

Prof. M.S. Reddy: prof.m.s.reddy@gmail.com for prompt response.

Registration Fee

Participant	Early Bird	Last
Participant with paper	300.000 IDR (30 USD)	500.000 IDR (50 USD)
Participant without paper	100.000 IDR (10 USD)	200.000 IDR (20 USD)

Early : May 1, 2021 – 31 May 2021 Last : June 1, 2021 – July 27, 2021

Registration Payment

Bank Name :BNI Cabang Denpasar Address :Denpasar, Bali, Indonesia

Account Number :0496725737

Account Name :Dra. Ni Made Rai Suarni, M.Si.

SWIFT CODE :BNINIDJADPS

About Asian PGPR Society

Microbes of the phytomicrobiome are associated with every plant tissue and, in combination with the plant form the holobiont. These microbes provide a wide range of services and benefits to the plant; in return, the plant provides the microbial community with reduced carbon and other metabolites. Soils generally present an oligotrophic environment and it is only in the rhizosphere that microbial communities are able to proliferate well due to the availability of sufficient reduced carbon compounds and moisture in biofilms.

The rhizomicrobiome is of great importance to agriculture owing to the rich diversity of root exudates and plant cell debris that attract diverse and unique patterns of microbial colonization. Microbes of the rhizomicrobiome play key roles in nutrient acquisition and assimilation, improved soil texture, secreting, and modulating extracellular molecules such as hormones, secondary metabolites, antibiotics, and various signal compounds, all leading to enhancement of plant growth. The microbes and compounds they secrete constitute valuable biostimulants and play pivotal roles in modulating plant stress responses. Research has demonstrated that inoculating plants with plant-growth promoting rhizobacteria (PGPR) or treating plants with microbe-to-plant signal compounds can be an effective strategy to stimulate crop growth. Furthermore, these strategies can improve crop tolerance for the abiotic stresses (e.g., drought, heat, and salinity) likely to become more frequent as climate change conditions continue to develop. This discovery has resulted in multifunctional PGPR-based formulations for commercial agriculture, to minimize the use of synthetic fertilizers and agrochemicals. This conference is an update about the role of PGPR in agriculture, from their collection to commercialization as low-cost commercial agricultural inputs for food security in the 21st century.

The Asian PGPR Society for Sustainable Agriculture was formed in 2009 as a non-profit scientific society and registered in USA to enable scientists, researchers, academicians, government groups, students, farmers, and industry personnel etc. from various agricultural disciplines to meet every two years in different Asian Countries to discuss their common interests in teaching, research and commercialization of PGPR's. Asian PGPR Society has more than 1500 registered Life members from around the globe.

In the context of increasing international concern for food and environmental quality, the use of PGPR for reducing chemical inputs in agriculture is a potentially important issue. PGPR have gained world-wide importance and acceptance for sustainable agricultural benefits. PGPR's are the potential tools for future of sustainable agriculture. The application and commercialization of PGPR for sustainable agriculture is a growing and demanding market world-wide.

Over the years, we have organized six International Conferences. The 1st Asian PGPR Congress was held in Hyderabad, India in 2009; the 2nd Conference was in Beijing, China in 2011; the 3rd Conference took place in Manila, Philippines in 2013; the 4th Conference was in Hanoi, Vietnam in 2015; the 5th Conference was in Bogor, Indonesia and the 6th was in Tashkent, Uzbekistan during 2019, which was a fabulous event.

In this e-conference, we bring together the researchers, industry and policy makers under guidance of a core team of technical experts from Asian countries to deliberate and understand the strengths and weaknesses of the Asian region in developing products of PGPR for use by farming community.

Considering your vast experience, we take privilege to invite your presence to share your ideas projecting global scenario on sustainable agriculture.

Chapters of Asian PGPR Society for Sustainable Agriculture

















About Indonesia Chapter of Asian PGPR Society

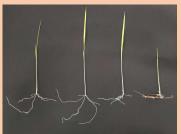
The Indonesia Chapter of Asian PGPR Society is a non-profit scientific society established in 2017 under parental Asian PGPR Society. This society run by the Executive Body within Indonesia to promote PPGR based technologies in association with Asian PGPR Society and its chapters globally.

Now-a-days, the world is conscious of the terrifying impacts of climate change and is sensitized to implement global strategies that can control the ill effects of climate change and global warming. The scarcity of water is amongst a problem seen in the world which will drive the severity of drought episodes, Degrading environment, rising population, and increased demand for resources affect severely ecological stability. Action is needed to face the global threats arising from the effects of climate change, which could increase episodes of drought, salinity, toxicity by heavy metals, soil acidity, and extreme temperatures.

In the context of increasing international concern for food and environmental quality, the use of PGPR for reducing chemical inputs in agriculture is a potentially important issue. PGPR have gained world-wide importance and acceptance for sustainable agricultural benefits. PGPR's are the potential tools for future of sustainable agriculture. The application and commercialization of PGPR for sustainable agriculture is a growing and demanding market world-wide.

PGPR Research in Bali, Indonesia

















Previous Asian PGPR International Conferences



Ist Asian PGPR - Hyderabad, India



2nd Asian PGPR - Beijing, China



3rd Asian PGPR – Manila, Philippines



4th Asian PGPR - Hanoi, Vietnam



5th Asian PGPR – Bogor, Indonesia



6th Asian PGPR – Tashkent, Uzbekistan



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Our Educational, Research & Scientific Association Partners



























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