

Grand Success Story of 5th Asian PGPR International Conference, Bogor, Indonesia - July 16-19, 2017



August 4, 2017

Grand Success Story of 5th Asian PGPR International Conference, Bogor, Indonesia - July 16-19, 2017

<https://www.youtube.com/watch?v=5mvvpyqcUyo&t=25s>

<https://www.youtube.com/watch?v=7DEj19GjGU&feature=youtu.be>

<http://asianpgpr5.biologi.lipi.go.id/.../tech-program-abstract>

As a founding Chairman of the Society, I am delighted to report the grand success of the conference and some new developments about Asian PGPR Society.

I am very happy and proud of Dr.rer.nat. Sarjiya Antonius's leadership as a local organizing chairman and his dedicated team to lead each delegate to the Conference which was very useful for the global effort in development of PGPR based technologies. All the arrangements were wonderful and your hospitality to each one will be remembered forever in our hearts. Salam to you all, Dr. Anton and the team.

My sincere thanks to all the sponsors for their generous support of the 5th Asian PGPR Conference.

There were more than 250 delegates from various countries includes USA, India, China, Germany, Austria, Australia, South Korea, Saudi Arabia, Malaysia, Uzbekistan, Kazakhstan, Pakistan,

Taiwan, Philippines, Indonesia, Iran, Trinidad, Italy, Japan, Hong Kong (China), etc. My salute to all of you making the conference a great grand success.

<https://www.linkedin.com/pulse/grand-success-story-5th-asian-pgpr-conference-prof-m-s-reddy>

The following new developments of the Asian PGPR Society have been taken place during and after the conference and further discussions are in progress to formalize the following:

1. **The 6th Asian PGPR International Conference is going to be held in Tashkent, Uzbekistan under the Chairmanship of Dr. Dilfuza Egamberdieva in 2019.**

(See the attached power point presentation regarding the venue and the initial explorations for selection of the Venue)

<https://www.facebook.com/photo.php?fbid=474858312868899&set=pcb.474860612868669&type=3&theater>

<https://www.youtube.com/watch?v=7DEj19GJjGU&feature=youtu.be>

2. **The Indian Chapter of Asian PGPR Society formation headed by Dr. Riyaz Sayyed.**
<https://www.youtube.com/watch?v=7DEj19GJjGU&feature=youtu.be>
3. **The South Korean Chapter of Asian PGPR Society formation headed by Prof. Tongmin Sa**
4. **The Indonesian Chapter of Asian PGPR Society formation headed by Dr. Anton**
<https://www.youtube.com/watch?v=7DEj19GJjGU&feature=youtu.be>
5. **The Uzbekistan Chapter of Asian PGPR Society formation headed by Dr. Dilfuza Egamberdieva**
6. **The Republic of China Chapter of Asian PGPR Society formation headed by Prof. Christian Staehelin and Prof. Du.**
7. **The Taiwan Chapter of Asian PGPR Society formation headed by Prof. Shanda Liu**
8. **The Malaysian Chapter of Asian PGPR Society formation headed by Prof. Dr. Hesham Ali El Enshasy**
9. **The Saudi Arabia Chapter of Asian PGPR Society formation headed by Prof. Ahmad Al-Turki**
10. **The Sri Lankan Chapter of Asian PGPR Society formation headed by Dr. Jayantha Sisira Kumara Weerakkody**
11. **The Philippine Chapter of Asian PGPR Society formation headed by Dr. William Dar or his designate**

12. The Pakistan Chapter of Asian PGPR Society formation headed by Dr.???

13. The Kazakhstan Chapter of Asian PGPR Society formation headed by Dr. Irina Smirnova

As we met in Bogor, the world is entering a population cycle that will challenge agricultural production technology like never. By the year 2050, it is projected that the world population will exceed to 9.6 billion people. It is also expected that favorable global trade policies will continue to create wealth around the world. The size of the global middle class is expected to triple, growing from approximately 1 billion people today to over 3 billion people by 2050. A higher global standard of living is driving up demand for food, resulting in record high global grain prices during recent years. Experts are projecting that by 2050, food production must increase approximately by 80-100% to meet this demand.

Doubling the world's food supply is indeed the grand challenge for the next generation agricultural scientists. Land constraints dictate that major share of increased production must come from existing agricultural lands. According to the FAO, past efforts to enhance food productivity has led to global degradation of farmland at an alarming rate. Future technology must lead to increased production in a sustainable manner.

Approximately 50% of the current world population is engaged in agriculture and 30% of the world population is small holder farmers living on less than \$2.00 per day. Farm size, productivity and poverty are strongly linked. The promise of agricultural technologies such as PGPR is that they will provide solutions that will enhance crop productivity and profits of small holder farmers worldwide, thus increasing food supply and reducing poverty in a sustainable way.

In modern cultivation process, indiscriminate use of fertilizers, particularly the nitrogenous and phosphorus, has led to substantial pollution of soil, air and water. Injudicious application of these chemicals exerts deleterious effects on soil beneficial microbes, affects soil fertility and pollutes environment. Application of these fertilizers on a long-term basis often leads to reduction in soil pH and exchangeable bases thus making them unavailable to crops, thereby leading to declined crop productivity. To obviate this problem and obtain higher plant yields in a sustainable way, farmers have become increasingly dependent on chemical sources of nitrogen and phosphorus. Besides being costly, the production of chemical fertilizers depletes nonrenewable resources such as oil and natural gas besides posing threat to human and environmental health. Current soil management strategies are mainly dependent on inorganic chemical-based fertilizers, which caused a serious threat to human health and environment.

The exploitation of beneficial microbes as a biofertilizer has become paramount importance in agriculture sector for their potential role in food safety and sustainable crop production. The ecologically safe approaches inspire a wide range of application of plant growth- promoting rhizobacteria (PGPRs), endo- and ectomycorrhizal fungi, cyanobacteria and many other useful microscopic organisms led to improved nutrient uptake, plant growth and plant tolerance to abiotic and biotic stresses.

In Asia, though PGPR research has picked up, there is a need to broaden the scope and perspectives of its applications to several agricultural crops. Especially, PGPR applications need to be projected

as viable alternatives or supplements to chemical fertilizers. At this juncture, the functioning of a society like “**Asian PGPR Society for Sustainable Agriculture**” is critical. Though Asian countries are competing and syndicating in PGPR research, a consolidated plan to bring forth sustainable, scalable and economic solutions to control plant diseases, improve soil health and enhance agro-ecosystem through the use of PGPR’s is essential. Asian PGPR Society is instrumental in bringing researchers, academicians and entrepreneurs on to a common platform for exchanging ideas, promoting public-private partnerships and promoting research integration among public and private agencies involved in PGPR research. The biennial Asian PGPR Conferences being held in various Asian countries to-date provide the required platform for integrating ideas, fostering partnerships and creating public awareness with full dedication. Earlier meetings held in Hyderabad, India (2009); Beijing, China (2011); Manila, Philippines (2013), Hanoi, Vietnam (2015) and Bogor, Indonesia (2017) were extremely successful. I trust that Asian PGPR conferences continue to synergize the public-private R & D in this area towards finding sustainable solutions to farm production problems.

The science behind PGPR today holds an important key to a second “Green Revolution” globally to benefit poor farmers in marginal areas of agriculture. I am confident that by working together we can overcome the obstacles and seize the opportunities in PGPR technologies in the new millennium. I take this opportunity to call upon all the stakeholders from the wide range of Asian countries to join hands and use PGPR technologies to make our world a better place to live. Please join me and let us all see the future we can create with PGPR through Asian PGPR Society (www.asianpgpr.com).

5th Asian PGPR Conference - Technical Program with Abstracts:

<http://asianpgpr5.biologi.lipi.go.id/index.php/tech-program-abstract>

VIP’s Messages at the inaugural session of 5th Asian PGPR Conference, Bogor, Indonesia – July 17, 2017

<https://www.youtube.com/watch?v=5mvvpyqcUyo&t=25s>

Prof. Reddy’s Message

Part 1:

<https://www.youtube.com/watch?v=J49HOn5LIbA>

Part 2:

<https://www.youtube.com/watch?v=u3Xq4DKSasg>

Part 3:

https://www.youtube.com/watch?v=YRVeu_1E1OY

Part 4:

<https://www.youtube.com/watch?v=t0DhFtjHvMg>

Dr. Anton Message:

<https://www.youtube.com/watch?v=ZRGcA4dmYbU&t=4s>

Dr. Siti Nur Amaliati Prijono Message:

https://www.youtube.com/watch?v=ND_i2zyi0I4

Tachrir Fathoni (Belantara Foundation) Message:

<https://www.youtube.com/watch?v=bWbSC23vILU>

PROF. DR ENNY SUDARM...Message:

<https://www.youtube.com/watch?v=16j6E2oyYTE&t=7s>

5th Asian PGPR Conference Pictures:

<https://www.facebook.com/pg/puslitbiologi/photos/?tab=albums>

Day 1: Registration

https://www.facebook.com/pg/puslitbiologi/photos/?tab=album&album_id=1410372895715326

Day 2: Inaugural and Oral Presentations

https://www.facebook.com/pg/puslitbiologi/photos/?tab=album&album_id=1414976375254978

https://www.facebook.com/pg/puslitbiologi/photos/?tab=album&album_id=1411292075623408

Day 3: Oral Presentations

https://www.facebook.com/pg/puslitbiologi/photos/?tab=album&album_id=1413290228756926

Gala Dinner

https://www.facebook.com/pg/puslitbiologi/photos/?tab=album&album_id=1412214755531140

Field tour

https://www.facebook.com/pg/puslitbiologi/photos/?tab=album&album_id=1413309572088325

Award Ceremony

https://www.facebook.com/pg/puslitbiologi/photos/?tab=album&album_id=1412099052209377

Preparations for meeting

https://www.facebook.com/pg/puslitbiologi/photos/?tab=album&album_id=1401557099930239

5th Asian PGPR Conference – Press releases:

<https://www.facebook.com/pg/puslitbiologi/photos/?tab=albums>

<http://bogornews.com/berita-250-ilmuwan-dan-enterpreneur-hadiri-konferensi-tingkat-internasional-di-kota-bogor.html>

<http://www.biologi.lipi.go.id/index.php/2017-01-04-03-57-30/peneliti-botani/9-yt-sample-data/category1/506-rizobakteri-miliki-peran-penting-dalam-memacu-peningkatan-hasil-pertanian>
<https://tribunpangan.com/2017/07/21/rizobakteri-memacu-pertanian-organik/>
<https://en.tempo.co/read/news/2017/07/18/310892231/LIPI-Warns-of-Dangers-of-Long-Term-Use-of-Chemical-Fertilizers>
<https://student.cnnindonesia.com/edukasi/20170718121227-445-228556/manfaat-mikroba-dalam-pertanian/>
<https://www.agata.id/lipi-ingatkan-bahaya-pupuk-kimia-8797/>

Please do not hesitate to contact me if you need any further information in this regard.

With profound thanks and regards.

Sincerely yours,



Prof. M. S. Reddy
Founder Chairman of Asian PGPR Society
Professor, Auburn University, USA
prof.m.s.reddy@gmail.com

Society Headquarters

Prof. M. S. Reddy, Founder Chairman

Asian PGPR Society Secretariat, PO BOX: 628, Auburn, AL, USA, 36831

Ph: 334-559-1971

Email: prof.m.s.reddy@gmail.com

<http://asianpgpr.com>

Society Office in India

Dr. Hari Sudini, Secretary General

Asian PGPR Society Secretariat, C/o Groundnut Pathology Unit, ICRISAT, Patancheru, Telangana, India, 502324

Ph: 91-40-30713380, Cell: 91-9490635921, Fax: 91-40-30713074

Email: h.sudini@cgiar.org; sudinhk@gmail.com

<http://asianpgpr.com>