



# Bangladesh Academy of Sciences NEWSLETTER

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## NATIONAL EVENTS

### i. BAS-Science Olympiad 2015 at divisional level, 09 January 2015

The Bangladesh Academy of Sciences - Science Olympiad 2015 was held successfully this year at the divisional level on Friday 09 January 2015 at 24 centers in the country of which 5 centres in metropolitan Dhaka and 19 centers throughout the country covering the remote areas, like Mongla Port in the southwest, Bandarban, Khagrachari in the southeast, Sylhet in the northeast, Rangpur and Dinajpur in the northwest region of the country. The result of the Science Olympiad 2015 at divisional level is as under-



Winners and organizers of Divisional Olympiad 2015 at CUET Centre, Chittagong

Sl.	Organizations	Winner School group	Winner College group
1.	Rajshahi University	10	10
2.	Chittagong University of Engineering & Technology	05	14
3.	International Islamic University, Chittagong	14	09
4.	Shahjalal University of Science & Technology	12	06

5.	Patuakhali Science and Technology University	15	15
6.	Bangabandhu Sheikh Mujibur Rahman Science and Technology University	10	10
7.	Hajee Mohammad Danesh Science and Technology University	09	06
8.	Matamuhuri Degree College, Lamma, Bandarban	09	08
9.	Khagrachori Cantt. Public School and College	10	05
10.	Digraj Degree College, Mongla	10	10
11.	Rajendra University College	06	09
12.	Khulna Govt. Girls College	10	10
13.	Ananda Mohan University College	08	07
14.	Comilla Victoria College	10	10
15.	Pabna Edward College	10	10
16.	Dhaka Imperial College	15	10
17.	Banglabazar Govt. Girls High School	10	00
18.	St. Joseph Higher Secondary School	18	17
19.	Notre Dame College	10	10
20.	Shaheed Police Smrity College	14	06
21.	Jahangirnagar University School & College	15	15
22.	Uttara High School and College	10	11
23.	Govt. Azizul Haque College	12	08
24.	Carmaical College	10	10
<b>Total</b>		<b>262</b>	<b>226</b>
<b>Grand total</b>		<b>488</b>	



Organizers and guests of Divisional Olympiad 2015 at Carmaical College Centre, Rangpur



Organizers and guests of Divisional Olympiad 2015 at Rajshahi University Centre



Participants of Divisional Olympiad 2015 at Hajee Mohammad Danesh Science and Technology University Centre, Dinajpur

## ii. Visit of INSA delegation to Bangladesh Academy of Sciences, 27-30 January 2015

An INSA delegation headed by Professor Raghavendra Gadagkar, President, INSA visited Bangladesh Academy of Sciences (BAS) and held a meeting with the BAS Council on 28 January 2015. The delegation consisted of Professor Raghavendra Gadagkar, President, INSA, Centre for Ecological Sciences, Indian Institute of Science, Bengaluru 560012, India and Mrs. Gadagkar, Professor Jai P. Mittal, Vice-President, INSA, M.N. Saha, Distinguished Professor (NASI), Bhabha Atomic Research Center, Mumbai, India and Mrs. Mittal, Professor Rajendra Prasad, Vice-President, INSA, School of Life Sciences & Rector, Jawaharlal Nehru University, New Delhi 110067, India and Dr Alok K Moitra, Executive Director, Indian National Science Academy, New Delhi. In the conference room of the Bangladesh Academy of Sciences (BAS) on Wednesday, 28 January 2015 at 5.00 pm Professor Mesbahuddin Ahmad, President, BAS briefed the delegation about different activities of the Academy.

The meeting discussed about collaboration between the two Academies of some specific issues like science education, climate change, biodiversity etc. The INSA delegation mentioned about joint organization of seminars and conferences of mutually agreed topics. This could be held either in India or in Bangladesh. At the end of the Meeting, President, BAS presented some publications of the Academy to the delegation.

The members of the delegation presented talks on different scientific research achievements in the auditorium of Botany Department and Physics Department of University of Dhaka.



President, BAS receiving memento from President, INSA



Professor Raghavendra Gadagkar, President, INSA, speaking in the seminar



Professor Rajendra Prasad, Vice President, INSA speaking in the seminar



Members of INSA delegation and BAS Executives and Participants in the seminar



Members of INSA delegation and BAS Executives and Participants in the seminar



A large number of teachers, students, scientists and researchers from the universities and research organizations attended the seminars.

**iii. Academy Seminar on International Ear Care Day, 03 March 2015**

In response to a call from Inter Academy Medical Panel of which the Academy is a member to Strengthen Health Care for Hearing Loss, Bangladesh Academy of Sciences (BAS) endorsed an IAMP statement "A Call for Action to Strengthen Health Care for Hearing Loss" to be circulated worldwide. IAMP declared "International Ear Care Day 2015" on 03 March 2015. On this occasion, Bangladesh Academy of Sciences organized a seminar on 03 March 2015 in the auditorium of National Institute of Nuclear Medicine and Allied Sciences (NINMAS), Bangabandhu Sheikh Mujib Medical University (BSMMU), Shahbag, Dhaka. Professor Dr. Pran Gopal Datta, Hon'ble Vice Chancellor, BSMMU, was the keynote speaker. He made an excellent presentation on "Sound, Noise and Noise Pollution". Dr. Nasima Akhtar, Associate Professor, Dept. of ENT, BSMMU, presented discussion papers on Prevalence of Hearing Impairment in Bangladesh and Neonatal Hearing Screening-Institution.



*BAS Executives and the Speakers on the Dias*



*Participants in the seminar*

National Professor Dr. M R Khan, Chairman & Managing Director, Central Hospital and Vice President, BAS was the Chief Guest in the seminar. Professor Dr. Mesbahuddin Ahmad, President, BAS presided over the meeting and Professor Dr. Naiyyum Choudhury, Immediate Past Secretary, BAS moderated the programme. Professor Dr. KM Sultanul Aziz, Secretary, BAS delivered the welcome address, while Professor Dr. Haseena Khan, Associate Secretary, BAS expressed vote of thanks to all present in the seminar. About 200 scientists, medical professionals, teachers and students attended the seminar.

**iv. BAS-INASP South Asia Regional Negotiations Skill Workshop, 23-25 March 2015**

Bangladesh Academy of Sciences (BAS) and the International Network for the Availability of Scientific Publications (INASP) jointly organized a workshop on "South Asia Regional Negotiations Skills Workshop" during 23-24 March 2015 at the Hotel BRAC Centre Inn, Dhaka. Total twelve participants from Sri Lanka, Vietnam, Pakistan and Bangladesh attended the workshop.



*BAS Executives, Facilitators and participants of the workshop*



*Facilitators, coordinator and participants of the workshop*

Prof. Dr. M. Shamsher Ali, Immediate Past President, BAS, was the Chief Guest at the Inaugural Session while Prof. Dr. KM Sultanul Aziz, Secretary, BAS, chaired the occasion. Distinguished Council Members of the Academy, learned Facilitators and Co-Facilitators of this Training Workshop, highly experienced Library Professionals from home and abroad were present.

**V. Projects under BAS-USDA Program in Agricultural and Life Sciences (2nd phase), 05 February 2015**

Cheque distribution meeting of BAS-USDA Program in Agricultural and Life Sciences (PALS) was held on 05 February 2015 at the conference room of the Academy. Prof. Dr. KM Sultanul Aziz, Secretary, BAS, Prof. Dr. Amir Hossain Khan, Treasurer, BAS and Dr. M A Mazed, Director, BAS attended the meeting. List of 17 projects under BAS-USDA PALS (2nd phase) is given below:

Serial No.	Project Code	Name of Principal Investigator with Address	Project Title
1	CR-07	Prof. Dr. Md. Abdul Kader, Department of Agronomy, Bangladesh Agricultural University, Mymensingh	Cell and tissue specific regulation of sodium homeostasis conferring salinity tolerance in rice.
2	CR-11	Dr. Gopal Das, Department of Entomology, Bangladesh Agricultural University, Mymensingh	Sustainable management of major lepidopteran vegetable pests through ecosmart new biorational molecules

3	HN-02	Prof. Dr. Liaquat Ali Department of Biochemistry & Cell Biology, Bangladesh University of Health Sciences (BUHS), Dhaka	Evaluation of commonly consumed rice varieties and mixed meals for their glycemic, insulinemic and nefa responses in healthy and diabetic subjects
4	LS-01	Prof. Dr. Mahbub Alam Department of Veterinary Medicine, Bangladesh Agricultural University, Mymensingh	Indiscriminate Use of Antimicrobial Drugs in Poultry Farms and Analysis of Antibiotic Residues in Poultry Products in Bangladesh.
5	L.Sc-02	Prof. Dr. Chowdhury Rafiqul Ahsan, Department of Microbiology, University of Dhaka, Dhaka	Molecular epidemiology and genotyping of Bacillus anthracis in domestic animals of Bangladesh
6	CR-04	Suma Mitra Lal Teer Seed Limited Dhaka	Morpho-Molecular characterization of Eggplant and resistance gene hunting from its wild relatives
7	CR-05	Prof. Dr. M A Khaleque Mian Department of Genetics and Plant Breeding, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur	Transfer of gene(s) responsible for zinc and iron from traditional variety to mega variety of rice
8	CR-08	Dr. Jahedur Rahman Department of Horticulture, Sher-e-Bangla Agricultural University, Dhaka	Development of low cost and simple hydroponic cultivation techniques of sweet pepper in urban and peri-urban areas of Bangladesh.
9	CR-09	Dr. Md. Abdullahil Baque Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka-1207	Introduction of salt and drought tolerance in wheat through Osmo and Hormonal priming.
10	CR-12	Prof. Dr. Rakha Hari Sarker, Department of Botany, University of Dhaka, Dhaka	Development of Mungbean Lines Conferring Yellow Mosaic Virus Resistance
11	CR-10	Prof. Dr. M. Jahiruddin Department of Soil Science, Bangladesh Agricultural University, Mymensingh	Improvement of Yield and Biofortification of Zinc and Iron in cereals by Fertilizer Application and Variety Selection.
12	LS-02	Prof. Dr. Md. Ariful Islam Department of Microbiology & Hygiene, Bangladesh Agricultural University, Mymensingh	Epidemiological investigation and molecular detection of Brucella in humans and animals in Bangladesh
13	LS-04	Prof. Dr. Emdadul Haque Choudhury, Department of Pathology, Bangladesh Agricultural University, Mymensingh	Experimental pathogenesis of peste des petits ruminants in Black Bengal Goat using Bangladeshi isolates of PPR virus
14	FI-01	Prof. Dr. Md. Rafiqul Islam Sarder, Department of Fisheries Biology and Genetics, Bangladesh Agricultural University, Mymensingh	Production enhancement of rohu and silver barb by generating monosex all- female population through genetic engineering, the chromosome manipulation techniques
15	FO-01	Prof. Dr. Salma Begum Department of Fisheries Biology and Genetics, Khulna University, Khulna	Benthic community productivity in the southwestern and the Sundarbans mangrove ecosystems for understanding the community energy flow for the sustainable coastal

16	FI-02	Prof. Dr. Md. Nazmul Ahsan, Fisheries and Marine Resource Technology Discipline, Khulna University, Khulna	Multiplex PCR-based rapid screening of white spot virus and pathogenic bacteria in shrimp for increased farm productivity and export performance.
17	CR-06	Dr. Atika Ayub, CSO, Plant Pathology Division Bangladesh Agricultural Research Institute, Gazipur	Integrated Management of banana diseases



*Treasurer, BAS, handing over a cheque to a Principal Investigator*

## INTERNATIONAL EVENTS

### i. AASSA-TUBA regional workshop on 'Sustainable Management of Food Security' 9-10 April 2015

This regional workshop on 'Sustainable Management of Food Security', 9-10 April 2015 Istanbul, Turkey, will take place at the Turkish Academy of Sciences. It is jointly organized by the Association of Academies and Societies of Sciences in Asia (AASSA), the Turkish Academy of Sciences (TÜBA) and supported by IAP.

The themes of the workshop are:

- Global and local analyses of food security
- Enabling policies for local and global food security
- Sustainable intensification of food production systems
- Urbanization, food value chains and food security
- Technological breakthroughs to help feed 9 billion world people
- Impact of climatic changes and possible strategies to deal with the same
- Competing demands and tradeoffs for land and water resource
- The agriculture-nutrition-health nexus
- Reducing loss and waste
- Business-science cooperation to advance food security

Dr. Zahurul Karim and Dr. MA Hamid Miah, Fellows, Bangladesh Academy of Sciences (BAS) will attend the workshop on "Sustainable Management of Food Security", 9-10 April 2015, Istanbul, Turkey. Dr. Karim will present a paper on "Enhancing Food Security in the Climatic Vulnerable Regions of Bangladesh" in the workshop.

### Editorial Committee

Professor Dr. Naiyyum Choudhury	Editor
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