

Selected Research Papers
will be Published in UGC
NAAC approved Journal &
Journal of Agri. Sci. & Tech.,
NLU, Vietnam

1st INDO-ASEAN Conference on

Innovative Approaches in Applied Sciences and Technologies

JUNE 13-17' 2018

Venue :
P-100, Phuong Vy Building
Nong Lam University, Ho Chi Minh
City - Vietnam



iAsT-2018

MAJOR ORGANISERS



Scientific & Educational Research Society
Meerut U.P., India



Nong Lam University
Ho Chi Minh City
Vietnam

IN COLLABORATIONS WITH



Dept. of Biotechnology
Ch. Charan Singh University
Meerut (U.P.) India



Dept. of Science & Technology
HCMC, Vietnam



Journal of Scientific and
Applied Research
Meerut (U.P.) India



Scientific and Applied Research Center
Meerut (U.P.) India

Previous Conference Organised by SERS, India



1st International Conf. on
Inn. Approaches in Applied Sci. & Tech.
VENUE : Kasetsart University, Bangkok, Thailand
Feb 1-5, 2016



2nd International Conf. on
Inn. Approaches in Applied Sci. & Tech.
VENUE : NEC, Nanyang Technological University, SINGAPORE 639673
June 19-23, 2017

ABOUT THE CONFERENCE

Welcome to the iAsT-2018 that will be organised jointly by Scientific Educational Research Society(SERS), Meerut, India and Nong Lam University, Ho Chi Minh City, Vietnam in collaboration with Dept. of Seed Science & Technology and Dept. of Horticulture, Ch. Charan Singh University Campus, Meerut and in association with Scientific & Applied Research Center, Meerut at Nong Lam University, Ho Chi Minh City, Vietnam during 13-17 June 2018.

The iAsT-2018 aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results about all aspects of Science, Agriculture, Environment and Natural Resources Management and allied sciences. It also provides the premier interdisciplinary forum for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns, practical challenges encountered and the solutions adopted in the field of Environment and Natural Resources Management.

Nong Lam University, Ho Chi Minh City, Vietnam: Located at Thu Duc District, Ho Chi Minh City, Nong Lam University (formerly the University of Agriculture and Forestry) of Ho Chi Minh City was founded in 1955. Its 118-ha main campus is 16-km to the north of HCMC downtown. It is now being transformed into a comprehensive university with a broad range of educational programs.

NLU is organized into 12 faculties with 69 departments and 2 university-attached independent departments as follows:

Faculty of Agronomy, Faculty of Animal Science and Veterinary Medicine, Faculty of Fisheries, Faculty of Forestry, Faculty of Food Science and Technology, Faculty of Economics, Faculty of Engineering and Technology, Faculty of Environmental and Natural Resource, Faculty of Basic Sciences, Faculty of Land and Real Estate Administration, Faculty of Information Technology, Faculty of Foreign Languages and Technology Education, Department of Biotechnology and Department of Chemical Engineering.

Nong Lam University has also established several centers and institutes to research and transfer technology to its respective partners within the areas. The University is offering educational programs leading to the obtainment of Diploma, Bachelors, Masters and Doctoral degrees. The total student enrollment in 2010 is about 14,000.

Educational curricula at the University are inter-disciplinary in nature, aiming at providing a rich and diverse knowledge base for students. The university academic year divides into three semesters.

NLU has built good relationship with the many universities, research institutes from Australia, Belgium, French, Hungary such as Godollo University of Agricultural Sciences, Institute for Small Animal Research (KATKI, Godollo) and Research Institute for Fisheries Aquaculture and Irrigation, Japan, Korea, Malaysia, Neitherland, Taiwan, Thailand, United State, etc. and international and non-government organizations such as AIT, ACIAR, AUPELF-UREF, Bread for the World, CIRAD, FAO, Ford Foundation, IDRC, IFS, HELVETAS, IRRI, SEARCA, SAREC, SIDA, , Rockefeller Foundation, World Fish Center, etc.

Scientific & Educational Research Society (SERS) is an autonomous research and educational organization registered under Societies Registration Act XXI of 1960 in Meerut, India

bearing registration no. 38/2014-15. SERS is mainly engaged in promotion of basic, applied and agricultural sciences to participate in national building programme. Society is also working in the area of conservation of nature and protection of environment. For all kind of promotion activities, SERS is organising workshop, training programme, symposium on different burning and challenging issues. Society is also planning to publish science journals, magazine and news letter. Society recognises excellent workers by confirming them SERS awards.

Chaudhary Charan Singh University, Meerut (UP) India (formerly, Meerut University) established in 1965, is one of the premier educational institutions in India encompassing a vast, beautiful and pollution-free campus spread over 222 acres of land. The teaching department belonging to faculty of Science, Agriculture, humanities, Arts are offering Post graduate degrees(MA/M.Sc., M.Phil and PhD)I in different discipline. More than 900 college (Govt./ Self financed/ Aided) are affiliated to this university.

Scientific and Applied Research Center (SARC) is an ISO 9001-2008 (CCPL/QMS/D2483) certified autonomous research organization registered under society registration act XXI,1860 bearing Registration no. 31-2008-2009. The prime objective of SARC is to secure, sustainable and advantageous utilization of biotechnology. SARC encourages research and innovation in biotechnology and its application in the service of mankind.

Journal of Agricultural Science & Technology (ISSN 1859-1523): The official publication of Nong Lam University, is published six issues yearly (four issues in Vietnamese and two issues in English) JAST invites original articles from different fields of agriculture, science, technology and humanities in the form of the research paper, review and short communication. Correspondence relating to the journal should be addressed to Prof. Dr. Nguyen Hay, President/Chief Editor, Nong Lam University, Linh Trung ward, Thu Duc district, Ho Chi Mine City, Vietnam. Email : ng.hay@hcmuaf.edu.vn. Submission should be done online Via : <http://www.journal.hcmuaf.edu.vn>. All accepted research papers for the conference will be published in this journal.

Journal of Scientific & Applied Research, (ISSN 0975 - 9743), the official publication of the SARC, is published half yearly. JASR invites original articles from different areas of science and humanities in the form of open research paper, review articles and short communication. Correspondence relating to subscription and business matters concerning the Journal should be addressed to the Dr. S. S.Gaurav, President/Chief Editor, Scientific & Applied Research Center/ Journal of Scientific & Applied Research, C-21, Ch. Charan Singh University Campus, Meerut-250004 (U.P.) India. E-mail: drshailendra1975@gmail.com. All accepted research papers for conference will be published in this Journal.

THEMES OF THE CONFERENCE

(A) Agriculture, plant and animal sciences

1. Crop improvement: conventional to molecular approaches
2. Crop protection: Traditional Vs Modern.
3. IPR and utilization of Plant Genetic Resources.
4. Hi-tech Horticulture .
5. Farming system research.
6. Bio-fortification: A tool to fight against hunger and malnutrition.
7. New agronomy.
8. Role of rural sociology, behavioral psychology and agri. extension vs. development of agriculture industry.
9. Global initiatives for sustainable soil management.
10. Innovations in animal health and animal husbandry.
11. Growth and prospects of veterinary sciences in global challenging era.
12. Home science, Food processing value addition and post harvest technology.
13. Food technology.
14. Herbal and Traditional medicine.
15. Aqua farming/aqua cultures and its future prospect.
16. Forestry science.

(B) Climate change, global warming and natural resource management

1. Environmental protection systems: traditional, legal and molecular approaches.
2. Global warming and Agriculture adaption.
3. Bio-diversity : Terrestrial and marine.
4. Marine biology.
5. Weather forecast.
6. Natural resource management and conservation.
7. Role of community in natural resource management.
8. Land and water resources: conservation and sustainable use.
9. Environment and ecology: conservation and protection system.
10. Biotic and abiotic stress management.
11. Policy issues related to natural resource management.
12. Green economy: concept and significance.

(C) Life and Biomedical Sciences

1. Cell and molecular biology.
2. Biotechnology: genomics, proteomics, transcriptomics and bioinformatics
3. Molecular microbiology: from basics to applications.
4. Secondary metabolite biosynthesis and metabolism.
5. Signaling pathways in living systems.
6. Mycoscience.
7. Pharmacy and pharmaceutical sciences.
8. Reproductive biology of living systems.
9. Experimental and clinical oncology.
10. Parasitic pathogens, virus and infectious diseases.
11. Healthy aging and wellness.
12. Antibiotic resistance.
13. Molecular diagnostics and therapeutics.
14. Innovative approaches in bio-nanotechnology.

(D) Physical, Chemical & Mathematical Sciences

1. Synthetic organic and bio-organic chemistry.
2. Structural organic and inorganic chemistry.
3. Polymer and materials synthesis and characterization.
4. The chemistry and physics of electronic and photonic materials.
5. Theoretical and computational chemical physics.
6. Solid-state chemistry, X-Ray crystallography, Functional materials.
7. Chemistry of surfaces and interfaces, Fullerene and carbon nanotube chemistry.
8. Thin film, Nuclear and Astrophysics.
9. Spectroscopic, Atmospheric and Material Science.
10. Application of Laser in different fields of Physical Sciences.
11. Probability and Stochastics, Group theory, Topology, Mathematical Visualization, Geometrical theory.

12. Mathematical modelling in biological and medical systems; pattern formation.
13. Multi-level Modeling (applied to healthcare racial disparities), Predictive Modeling.
14. Lie groups, Automorphic forms, Representation theory, Number theory, Conformal Techniques in Probability.
15. Functional Analysis, Harmonic Analysis, Complex Functional Theory.
16. Algebraic Number Theory, Algebraic Geometry, Cryptography and Coding Theory.
17. Actuarial Science, Quantitative Risk Mngmt, Applied Stochastic Processes.
18. Image Formation and Processing, Algebraic Groups.

(E) Engineering and technology

1. Microelectronics, Microprocessors and VLSI, signal processing, imaging and communication.
2. Structural engineering and design; environmental geotechnology, geotechnical engineering and materials; water resources, supply and hydrology, hydraulics and rivers, concrete materials, environmental engineering.
3. Networks, computer vision, computer forensic, data encryption, cloud computing and security issues in cloud computing, image processing, information theory, acoustics, speech and signal processing
4. MEMS and micro, photonics and optoelectronics, semiconductor materials and technology.

(F) Social Sciences & Humanities

1. Tourism policy the path of community development
2. Education status in developing country
3. Women empowerment
4. Globalization and economy
5. Language & Literature
6. Economic Growth
7. Social change
8. History

(G) Library and information science

1. Ninth generation libraries: issues and challenges
2. User's study
3. Collection development
5. Cloud computing and its applications
6. Importance of I.T in LIS education
7. Application of information technology
8. E-resources in library
9. Library science: from physical to digital era
10. Knowledge based era vs. artificial intelligence
11. Plagiarism

CALL FOR PAPERS

The abstracts containing max. 250 words or full length paper containing max. 10000 words, for oral and poster presentation, are to be submitted to :

E-mail: iAsT2018conference@hcmuaf.edu.vn before May 10th 2018, in camera ready form, using MS Word, Times New Roman, Font Size 11, Line Spacing 1.0 black colour. The Title of the paper should be in Font Size 12, bold and centred, followed by names of authors marked with asterisk for paper presenter/ Communicating author.

DEADLINES

- Abstract submission: April 8, 2018
- Abstract acceptance: April 15, 2018
- Full paper submission: May 15, 2018
- Registration: May 20, 2018

REGISTRATION FEE

Category	Early Bird Registration 20th May 2018	On Spot
Indian Academician/Scientists	INR 15000/-	INR 18000/-
Indian Student/ Research Scholars	INR 12000/-	INR 15000/-
Vietnamese Academician/Scientists	VND 1500000/-	VND 2000000/-
Vietnamese Student/ Research Scholar	VND 1200000/-	VND 1500000/-
ASEAN delegates/scientists	USD 300/-	USD 350/-
ASEAN Student / Research Scholar.	USD 200/-	USD 250/-
Foreign Academic/ Scientist.	USD 400/-	USD 500/-
Foreign Student/ Research Scholars	USD 300/-	USD 400/-
Thai Academician/ Research Scholar	BAHT 8000/-	BAHT 10000/-
Corporate sector and Industries	INR 18000/-	INR 20000/-
Students/Research Scholars (Associated Member in Abstract/Paper & Not attending Conference)	INR 5,000/-	

FOR INDIAN DELEGATES:
Registration Fees and SERS/SARC Society Contribution (Non-Refundable/ Non Transferable)

The conference registration fee and society contribution from **Indian delegates** can be paid by Cash/DD/NEFT/TT in favour of **Scientific, Educational Research Society, Meerut**. Alternatively, these fee can also be deposited through RTGS/NEFT in any branch of **Canara Bank** in **A/C No. 8580101006258 (IFSC Code No. CNRB0008580; MICR Code-250015004)**.

All Vietnamese, Thai & foreign delegates can deposit their conference registration fee (Delegates write "Registration Fee For iAsT-2018" during the transferring of registration fee) towards the bank account of Nong Lam University.

1. University account in Vietnamese Dong (VND)

Name : Bank for Investment & Development of Vietnam (BIDV)

Account number : 31410000002377

Branch : East Saigon

Bank Code : 79202006

2. University account in USD

Name : Bank for Investment & Development of Vietnam (BIDV)

Account number : 31410370001536

Branch : East Saigon

Bank Code : 79202006

SCIENCE AND TECHNOLOGY EXPO:

Coinciding with the conference, a Mega Science & Technology Exhibition (S&T Expo-2018) will be organised during conference, with the objectives to show the product and services related to different areas of science & technology sector. This event also aimed to create

awareness among scientist, academicians, industry representatives, students, artisans and farmers about Indian and Global scenario for development of science & technology.

STALL BOOKING RATES FOR S&T EXPO-2018:

15 x 15 ft. Size stall @ ₹10,000/-

FOR JOURNEY:

ARRIVAL : Tan Son Nhat International Airport is an international airport serving Ho Chi Minh City, the 2nd Major City of the Vietnam.

Geographical Detail of Ho Chi Minh City

Weather: 31°C, 1.20 Hour ahead from IST.

Currency : Vietnamese dong (VND)

DEPARTURE :

From **India Flights** for Vietnam are available from New Delhi & Mumbai.

LOCAL TRANSPORT:

Bus Service in Public Transport is available & Taxi, Xe Om (Motor Cycle Taxi), Cyclo and Bicycle & Motorcycle are available on private basis.

ACCOMMODATION : Accommodation will be provided on prior request to the near by venue in Hotel/Guest House.

VISA PROCESSING

Participants from ASEAN countries are waived for the entry visa. However, Indian participants must have the entry visa. If any Indian participants require the support of the entry visa, please contact Mrs. Trinh Thi Tien, International Relations Office, Nong Lam University, trinhtvn@hcmuaf.edu.vn for further assistance.

Ho Chi Minh City, VIETNAM

Ho Chi Minh City (commonly known as Saigon) is a city in southern Vietnam famous for the pivotal role it played in the Vietnam War. It's also known for its French colonial landmarks, including Notre-Dame Cathedral, made entirely of materials imported from France, and the 19th-century Central Post Office. Food stalls line the city's streets, especially around bustling Bến Thành Market.

The centre of the allied command and the place where the North Vietnamese claimed victory in the American War, **Reunification Palace** has played its part in some incredible scenes. This ageing palace has essentially been frozen in time since a North Vietnamese Army tank smashed through its gates in 1975. Visitors will get to discover secret rooms, grand reception halls and the command bunker.

Bitexco Tower is an ultra modern office tower in Ho Chi Minh, with a characteristic oval extension which acts as a helicopter landing pad. Standing at 262 metres tall, this 68 storey building is the highest in all of Vietnam with a sky deck offering 360 degree views of the city and surrounding area as well as a fantastic sky bar called Alto where you can see all of Ho Chi Minh while enjoying a cocktail and some tapas style international dishes.



SERS AWARDS

To encourage the young scientist, academicians and students, following awards from SERS society will be given for their original work, presented in the form of orally or through poster presentation or on the basis of bio-data submitted for this purpose.

1. Outstanding Scientist in Agriculture Award : (5 in No.) This Award will be given to the faculty /scientists working in the areas of agricultural sciences and made some specific contribution in any field of agriculture

2. Innovative Scientist of the Year Award : (5 in No.) This Award will be given to the faculty /scientists working in any field of science, technology and engineering and has made some specific contribution in his/her field of study/research.

3. SERS awards of Technology and Innovation : (5 in No.) This Award will be given to the NGO/ Individual/ Organisation/ Industry/ Faculty members /scientists/ managers working for the development of science in any form like by diffusion, education, invention, research and have started the work first time in untamed area/location.

4. SERS Fellow : (5 in No.) Highly prestigious award given only to life members of SERS and those have done some significant work in the any field of science, agriculture and humanity. Awardees are entitled to write FSERS as designation before his name.

5. SERS Women Scientist Award : (5 in No.) This Award will be given to the only Female faculty /scientists working in any field of science, technology and engineering and has made some specific contribution in her field of study/research.

6. SERS Excellence in Medical Research Award: (5 in No.) This Award will be given to the any faculty /scientists working in any field of Medical Science and has made some specific contribution in his/her field of study/research.

7. Environmental Protection Research Award : (5 in No.) This Award will be given to the NGO/ Individual/ Organisation/ Industry/ Faculty

Members/ Scientists working for the conservation and protection of environment/climate change/ disaster management/ organic agriculture or such any field to which environmental protection aspect is covered.

8. SERS Excellence in Research Award : (5 in No.) This award will be given to scientists and researchers. Who have Demonstrated outstanding impact in Scientific Research.

9. SERS Excellence in Teaching Award : (5 in No.) This Award will be given to the regular faculty members those have already completed minimum of their five years in teaching in UGC/ICAR/ DBT/CSIR recognised university/ deemed university/institution, and has made some specific contribution in his/her field of study.

10. Global IPR Award : (5 in No.) This Award will be given to the faculty/ scientists/ IP attorney/ Industry/ University/ Individuals/ NGO/ research institute working for IP management/ IP awareness/ IP research/ IP education (Patent/ Trademarks/ Copy rights/ Industrial Design/ Geographical indication/ technology/ Know-how/ Plant Breeders Rights/ PPV & FR/ Biodiversity protection etc) and has made some specific contribution in IPR sector.

11. Best/Outstanding Thesis Award : (10 in No.) This Award will be given to the student of M.Sc./M.Tech./M.Phil./Ph.D for their Thesis work any field of science, Agricultural, Technology and engineering and has made some specific contribution in his/her field of study/research.

Note 1 : Interested persons from India are requested to submit two copies of their recent bio-data to Dr. S.S. Gaurav, President, SERS/ Dr. Vijay Garg, General Secretary, SERS, C-21, Ch. Charan Singh University Campus, Meerut-250004 (U.P) India and send a copy by mail to conference E-mail ID. The society contribution and participation by paying registration fee of conference are essential for application of award.

SARC AWARDS

1. Innovative Entrepreneurship Award : (Five)

2. Innovator of the Year : (Five)

3. Young Scientist Award : (Ten)

4. Co-inventor Award : (Ten)

5. Excellence in Science Communication Award : (Five)

6. Excellence in Mathematics Research Award : (Five)

7. Young Agriculture Innovation : (Ten)

8. Outstanding Educationist Award : (Five)

9. Best Thesis Award : (Five)

10 Associate Scientist Award: (Five)

SERS/SARC Society contribution/Life Membership Fee can be paid by Cash/DD/NEFT/TT in favour of **Scientific, Educational Research Society, Meerut.** Alternatively, these fee can also be deposited through RTGS/NEFT in any branch of **Canara Bank** in **A/C No. 8580101006258 (IFSC Code No. CNRB0008580; MICR Code- 250015004).**

SERS Society Contribution: INR 5000 or USD 150 and for Vietnamese Scientist/ Academician VND 10,00,000/- while

SARC society contribution: INR 7000/- or USD 200/-and for Vietnamese Scientists/ Academician VND 10,00,000/-.

iAsT-2018 CONFERENCE AWARD

1. Best Conference Poster Award (1 Award in each session)
2. Best Conference Oral Presentation Award (1 Award in each session)

POST CONFERENCE ACTIVITIES

Innovative Approaches in Applied Sciences and Technologies

JUNE 13-17th 2018

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1st INDO-ASEAN Conference on Innovative Approaches in Applied Sciences and Technologies

JUNE 13-17' 2018

Venue : P-100, Phuong Vy Building, Nong Lam University, Ho Chi Minh City - Vietnam

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Full paper abstract (should be 4-5 pages) : May 10, 2018 Abstract/full paper acceptance : May 15, 2018 Registration : May 20, 2018

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2. Date of Birth (DD / MM / YY)	Day	Month	Year	Sex	Male	Female	
3. Designation of the Candidate							
4. Pay Scale and Grade Pay							
5. Name of the Institution/Organization where employed.							
6. Actual place of posting							
7. Total Teaching / Research / Extension Experience							
8. Highest Degree obtained (Name of Degree, Instt. and Year)							
9. Full postal address for correspondence with pin code:							
10. Telephone/ Mobile no. with country code							E-mail ID :
11. Native Country/ Domicile							

DECLARATION

I, hereby declare that the entries in this application are true to the best of my knowledge/ belief and also that I have not concealed any fact or withheld any information regarding my qualifications/ services/ record and that if any entry is found to be false or incorrect or that if at any time this is found to have been concealed, I will be disqualified for selection to award.

Date :

Place :

Candidate's Signature

Certificate from Employer

Certified that Mr./ Ms./ Smt./ Dr..... S/o/ D/o..... is working as..... in the pay scale/ Grade Pay..... fromtoas

Permanent/Temporary capacity. No vigilance enquiry/ disciplinary case is pending against him/her.

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Signature.....

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Name.....

Note : Plz. attached a detailed bio-data by using this application as cover page.

Designation with office seal.....

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