



# SRM UNIVERSITY HARYANA

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## N E W S L E T T E R

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### **From Editor's Desk**

During this period of the report, SRM University Haryana organized its first International Conference of global standard during March 2-3, 2015 with the participation of large number of National & International scientific community cutting across several continents. We have covered this event extensively in this issue to provide a comprehensive view of the event. The University received its recognition as a Scientific Industrial Research Organization (SIRO) from Department of Scientific Industrial Research (DSIR) Govt. of India. This will further strengthen the research infrastructure for the University. We had the privilege of Inaugurating Legal Service Clinic by Justice Satish Kumar Mittal, Executive Chairman of HALSA alongwith Justice Augustine George Masih on April 25, 2015. There were many other interesting events also happened like Second Research Council meeting on 30-31st January, 2015, workshop on Induction Motor Efficiency Monitoring System and Energy Audit with CSIR – CSIO on 19th March, Commerce Quest for the School Children on 25th January, 2015, National Science Day 2015 on 12th March, 2015 during this period. Apart, students professional society – Science Technology & Innovation Forum (STIF) was inaugurated on 6th April, 2015. Dr. K.M. Paul, Former Acting DG, AIR, New Delhi was the Chief Guest. University has successfully completed its second academic year (2014-15) and preparations for next the academic year (2015-16) has started with increased number of courses, faculty & infrastructures.

**Inauguration of International Conference on “Antimicrobial Resistance, Novel Drug Discovery and Development: Challenges and Opportunities” in collaboration with the International Association of Medical & Pharmaceutical Virologists (IAMPV), Chennai at India Habitat Centre, Lodhi Road, New Delhi on March 2-3, 2015**



*Inauguration by Hon'ble Minister of State for Science & Technology and Earth Sciences Shri Y.S. Chowdary in the presence of Dr. T.R. Paari Vendhar, Founder Chancellor, SRM University*

SRM University Haryana, Sonapat the first higher education institute established in August, 2013 at Rajiv Gandhi Education City, Sonapat has organized its first International Conference on “Antimicrobial Resistance, Novel Drug Discovery and Development: Challenges and Opportunities” in collaboration with the International Association of Medical & Pharmaceutical Virologists (IAMPV), Chennai at India Habitat Centre, Lodhi Road, New Delhi on March 2-3, 2015. It has attracted several national and international scientific community hailing from academics, industry,

national labs, international organizations & others. More than 400 delegates participated in the inaugural function of the International Conference which was inaugurated by the Minister of State for Science and Technology & Earth Sciences, Shri Y.S. Chowdary as a Chief Guest. The Founder Chancellor of SRM University Dr. T.R. Paari Vendhar presided over the function. Prof. Simon Croft, Dean (Infectious Diseases), London School of Hygiene & Tropical Medicine (LSHTM), London, UK and Prof. S.P. Thyagarajan, Former Vice

Chancellor, University of Madras were the Guests of Honour. International Conference was inaugurated with traditional lighting of the lamp and Saraswati Vandana. Patron of the conference, Prof. S. Rajarajan, Vice Chancellor of SRM University Haryana and President IAMPV welcomed the Guests and dignitaries from India and abroad. In his address he informed that this International Conference was attended by 400 eminent scientists from USA, Australia, Singapore, Italy, Japan, Switzerland, UK and also from several reputed Indian Institutions





*Dr. T.R. Paari Vendhar, Founder Chancellor, SRM University delivering Presidential address*

like CSIR, DBT, DRDO, DST, ICAR, ICMR & UGC and the representatives of larger Pharma companies of India and world. The Founder Chancellor of SRM University Dr. Paari Vendhar honoured all the guests with mementos & shawls. In his welcome address he informed that in a short span of time SRM University Haryana gained a wonderful name and fame particularly by establishing C4-D Centre, the university has earned a very praiseworthy achievements too.

The Chief Guest of the International Conference Sh. Y.S. Chowdary welcomed the educationists and Scientists around world to the land of India and he assured that the reputed SRM University will provide them all kind of facilities and they can comfortably participate in all sessions of this conference and asked them to contribute their valuable thoughts, presentation of research papers and showing of through life experience which the participants could be benefited from them. He informed that India with 1.2 billion diverse population is gifted with diverse genetic pool

as well as disease burden. At the same time nature gifted us with several herbs and the traditional preparations of Indian Systems of Medicine like Ayurveda, Siddha, Unani to strengthen the immune system of human body. With the present burden of biotic & abiotic factors altering the environment and several new diseases and new mutations of microbes are posing great challenges to the humanity. The modern medicine has helped in the management of several communicable and non



*Exchange of Research Collaboration Agreements with Pennsylvania University USA and Daichi Sankyo India Pvt. Ltd.*



communicable diseases in the bygone years. However, of late, the non communicable diseases of life style related such as Diabetes, Blood Pressure, Cardiology, Respiratory Disorders have taken more important place than the communicable diseases.

Indian Pharma Industry has shown excellent success story on generic drug and we are one of the pharm-emerging nations having potential for more growth. Indian government has formulated several R&D programmes



*Releasing of Conference Souvenir*



*Dr. S. Rajarajan, Vice Chancellor, SRM University Haryana, delivering Presidential Address in the Valedictory Function*

through Ministries of Science & Technology and Earth Sciences - CSIR / DST / DBT. ICMR institutions and extra-mural R&D funding to Universities, National Labs / Industrial R&D Units etc. We are committed to increase our investment towards R&D from the existing around 1% to 2% of GDP in the coming years. It is imperative that such areas of antimicrobial resistance for drugs & antibiotics have to be strengthened. More & more laboratories / institutions with the participation of other national / international organizations including pharma industries should help in this challenge of finding alternatives to manage such microbial challenges in disease management. It demands concerted efforts to educate the common man on the drug compliance, patient history, indepth research with public health networking to attack this menace. He congratulated the SRM University Haryana for obtaining the recognition of SIRO by DSIR for undertaking R&D and received incentives of the Government.

He also honoured with gold medal and a citation to the recipient of

IAMPV - Dr. S.P. Thyagarajan Award for best Intellectual Property contribution to Dr. P. Rajendran, Former Professor, University of Madras

### ***Focus of the Conference***

The Conference focused on the antimicrobial resistance including multidrug (MDR), extensive drug (XTR), complete drug resistant (CDR) pathogens, hospitals acquired infection, microbial pathogenesis, bioinformatics etc.



*MoU with Chiba University, Japan*



*A view of International delegates*

The eminent speakers with vast research experience from the international research community discussed & debated the challenges and opportunities in drug discovery and development against infectious diseases with special focus on TB, malaria, kala azar, dengue, chikungunya etc.

The antimicrobial resistance (AMR) threatens the effective treatment and ever increasing range of infections by bacteria, virus, parasites and fungi and



*Dr. V.M. Katoh, Former Secretary DHR & Former DG, ICMR, delivering Valedictory Address*



is a major problem. AMR is a serious threat to global public health which required urgent attention and action from the scientific community, hospitals and Governments. The over use and misuse of antimicrobial drugs accelerate the emergence of drug resistant pathogens. This needs immediate attention and awareness among the medical researchers as well as clinicians and there is an urgent need for the discovery of effective new drugs to combat the emerging serious problem of AMR. In this regard, the Conference speakers focused on AMR, new drug discovery, development and challenges and opportunities in this venture. This report briefs the overview of the conference proceedings. The conference had 12 sessions including 2 plenary sessions on March 2-3, 2015 at India Habitat Centre, New Delhi excluding inaugural and valedictory functions.

### Plenary Sessions

Professor Simon Croft from London School of Hygiene and Tropical Medicine (UK), Professor Akira Kaji from University of Pennsylvania (USA), and Professor

William Bishai, John Hopkins University (USA), delivered the plenary lectures. Prof. Simon Croft in his lecture, addressed the challenges and opportunities for the development of new treatment for leishmaniasis. He has listed the available drugs against leishmaniasis and the emerging resistance to the drugs and toxicity related issues of these drugs and he emphasized to discover and develop novel drugs for the neglected infectious diseases and all the attempts depend upon a network of Public and Private Partnership and Pharmaceutical Industries as key players. Prof. Akira Kaji with his vast experience in the field of protein synthesis emphasized the effective methods of target based drug discovery against bacterial diseases. As a discoverer of 4<sup>th</sup> step of protein synthesis and a protein responsible for this step called Ribosome Recycling Factor (RRF), informed the distinguished audience that RRF is an attractive antibacterial target especially against *Mycobacterium tuberculosis*. An eminent Scientist working on *M.tuberculosis*, Prof. William Bishai from John Hopkins University (USA) addressed the



*Lucky Draw winner, Prof. Hideko Kaji, Thomas Jefferson University, USA being felicitated*



*A view of Poster Presentations*

audience on TB pathogenesis and the complicated systems of the persistent and successful pathogen and the challenges involved in eliminating the pathogen from the human system. He insisted the scientists to understand the TB pathogenesis while designing, discovering and developing a new small molecule inhibitors against this notorious pathogen.

### Technical Sessions

In addition to the plenary sessions, 10 technical sessions on various fields including bacteriology, parasitology, virology, challenges and opportunities in drug discovery sponsored by various funding agencies was organised. In virology session, Prof. Dr. S. Rajarajan, SRM University Haryana and Dr. Abhay Chowdhary, Haffkine Institute, Mumbai delivered the invited talks on translating various plant products to treat the viral diseases. Prof. S. Rajarajan, President, IAMPV honoured Prof. Abhay Chowdhary with Prof. S. Subramanian Oration Award in the form of a medal and citation. Prof. Abhay Chowdhary, in his oration, he highlighted the role of plant products for anti-rabies



*Welcoming Dr. V.K. Subburaj, Secretary to Govt. of India, Dept. of Pharmaceuticals by Dr. S. Rajarajan, VC, SRM University Haryana in the Valedictory Function*

treatment. In bacteriology session eminent scientists like Prof. Kazuei Igarashi, Chiba University, Japan, Prof. Umesh Varshney, Indian Institute of Science, Bangalore and Prof. Hideko Kaji, Thomas Jefferson University, USA delivered the lectures. Prof. Igarashi listed the Antibacterial effects by shark skin micro-patterned surface of plate and the mechanism of polyamine stimulation of biofilm formation. Other scientists (Prof. Varshney & Prof. Hideko Kaji) emphasized the basic ribosomal translation machinery and the possible inhibitors and stop the growth of bacteria and yeast. In parasitology session, Prof. Vicky Avery, Griffith University, Australia presented the drug discovery against protozoan pathogens using high content imaging. Prof Sarman Singh, All India Institute of Medical Sciences, New Delhi delivered the talk on the anti-leishmanial drugs available in the market and the threat of emergence of drug resistance in Leishmaniasis based on Indian visceral leishmaniasis case study.

The second day technical sessions were sponsored by Daiichi Sankyo India Pvt. Ltd. (DSIN), Wockhardt Ltd. and in collaboration with and Drug for Neglected Diseases initiative (DNDi). In Daiichi Sankyo India sponsored session, Dr. Ramesh Bambal from DSIN presented the ADME perspectives and the challenges in antibacterial drug discovery. Prof. Susan Charman from Monash University, Australia delivered the talk on the anti-malarial molecule OZ439 and its first long half-life. Dr. Yasuhiko Matsumoto, Tokyo University Japan delivered an excellent presentation on silkworm infection model for *Staphylococcus aureus* pathogens. In Wockhardt sponsored session, Prof. T.M Mohapatra from IMS, BHU, Varanasi discussed the old

Cyanobacteria as an emerging source for drug discovery. Dr. M. Elanchezhain listed the anti-HIV property of *Camellia sinensis* (green tea). Dr. Pawan Sharma from DBT gave the perspectives of Govt. of India in giving new solutions to the old diseases (TB).

The afternoon session was dedicated to the neglected diseases as well as the role of funding agencies in discovering new drugs against these diseases as well as the antimicrobial resistance. Dr. Madhur Gupta from WHO (India office New Delhi) presented the WHO stand on antimicrobial resistance and insisted that AMR should be considered as global priority. Dr. Jeremy Burrows, Medicines for Malaria Venture (MMV), Switzerland informed the distinguished audience on the role of MMV in drug discovery to eradicate malaria and the possibilities of collaboration in drug discovery. Dr. Shirshendu Mukherjee from Wellcome Trust, UK gave a talk on Wellcome Trust funding for translational research against neglected diseases in India. One of the sessions was in collaboration with DNDi and Dr. Robert Don from DNDi, Switzerland delivered a talk on the new approaches and lessons learned in drug discovery

for visceral leishmaniasis and chagas disease. Dr. Ian Gilbert from University of Dundee, UK informed the distinguished audience about the establishment of a new drug discovery unit at the University of Dundee, and the ongoing programme on drug discovery against neglected diseases. Finally, Prof. Sir Antony Coates, St. Georges, University of London presented the practical overview on tackling the rising resistance of pathogens to antibiotics.

### **Poster Session:**

There was an overwhelming response from the young scholars and faculty for poster presentation of their research work. There were 64 shortlisted poster presentations on the second day from all over the country which were carefully evaluated by 3 different panels of judges and best 3 posters were awarded with the certificate and attractive prizes sponsored by Daiichi Sankyo India.

### **Valedictory Function:**

The conference was concluded with a valedictory function with Dr. V.M. Katoch, Former Secretary, DoHR & Former DG-ICMR as Chief Guest and Dr. V.K. Subburaj, Secretary, Department



*View of the participants in the Valedictory Function*



of Pharmaceuticals, Ministry of Chemicals & Fertilizers, Govt. of India as Guest of Honor and presided by Prof. S. Rajarajan, Vice Chancellor, SRMUH. The Function started with a welcome by Dr. Manish Bhalla, Registrar SRMUH, followed by the summary presentation of the conference by Dr. G.J. Samathanam, Director of Research. The key recommendations were:

- Identified further collaborations for research, education and industrial partnership with various foreign universities as well as Indian Universities and pharma industries and national labs.
- The exchanges will be mainly for research collaborations, human resource development, curriculum development and workshops, training programmes on different areas of Medical Microbiology.
- The diseases identified for these collaborations and exchanges are mainly of neglected diseases like TB, Malaria, Kala azar, Dengue, Chikungunya.

Both the eminent scientists cum bureaucrats (Dr. V.M. Katoch & Dr. V.K. Subburaj) appreciated the present efforts of SRM University Haryana in organizing this conference on antimicrobial resistance and novel drug discovery which is timely and the need of the hour. They encouraged the scientists to form teams and work in collaborations. Prof. Akira Kaji from University of Pennsylvania, USA in his speech gave his uninhibited thought about the conference and appreciated the organizers. Prof. V. Samuel Raj, Director, C-4D, SRMUH proposed vote of thanks. The International Conference ended with singing of National Anthem.

## DSIR RECOGNITION

Our University has been inspected by the Experts of Department of Scientific & Industrial Research (DSIR) and recognized as a Scientific Industrial Research Organization (SIRO). We are eligible to receive custom duty exemptions on the imported equipments for R&D as well as it gives leverage for more R&D at this University.



*Interaction of DSIR officials with Hon'ble Vice Chancellor during their site visit*

## INAUGURATION OF LEGAL SERVICES CLINIC

As a part of its continuing efforts of providing greater access to justice to the unreached people, the Haryana State Legal Services Authority (HALSA), opened another Legal Services Clinic on Saturday, April 25, 2015 at SRM



*Hon'ble Justice, Satish Kumar Mittal inaugurating the Legal Services Clinic*

University Haryana situated in the Rajiv Gandhi Education Society here in Rai, Sonapat. The Clinic was inaugurated by Hon'ble Justice Satish Kumar Mittal, Executive Chairman of HALSA along with Hon'ble Justice Augustine George Masih of the High Court of Punjab & Haryana.

The inaugural programme was attended by judicial officers in

the district, members of the district administration, and representatives of panchayats and other local bodies. The inauguration of the Clinic was marked by a cultural programme which included a street play titled 'Goonj' performed by students of law of SRM University, Haryana. The Clinic will serve as a medium of providing inexpensive legal aid by rendering legal services of basic nature such as legal advice and employing conciliatory methods of resolving disputes among people so as to prevent disputes from maturing into litigation. The Clinic will be operated in coordination with the District Legal Services Authority, Sonapat.

The Clinic which will function on Mondays and Thursdays between 10am and 5pm will serve as a single window facility for helping general public to solve their



*Hon'ble Justice, Satish Kumar Mittal and Hon'ble Justice Augustine George Massih of the High Court of Punjab and Haryana in the Inaugural Function*



*Skit by Law students on atrocities against women*

problems where the operation of law comes into picture.

## RC MEETING

Second meeting of University Research Council under the Chairmanship of Hon'ble Vice Chancellor with Eminent Scientists from Central Scientific Departments / Agencies / Academia / Industrial Representative was held on 30-31st January, 2015 and review the

research activities as well the Ph.D. thesis research topics submitted by scholars. Prof. Simon Croft from London School of Hygiene & Tropical Medicine, UK also shared his views to the RC after his visit to University premises. 39 presentations of these scholars were considered and recommendations / suggestions for improvement were offered.

## Workshop on Induction Motor Efficiency Monitoring System and Energy Audit with CSIR-CSIO and SRM University Haryana on 19th March, 2015

SRM University Haryana in collaboration with Central Scientific Instrumentation Organization (CSIO), Chennai centre organized one day Technology Awareness Workshop on "Energy Audit



*Dr. Simon Croft, Dean LSHTM, London (UK) interacting with RC Members*

& Induction Motor Efficiency Monitoring System" to the industry representatives, B.Tech, M.Tech and Ph.D. scholars and faculty of the University.

Dr. D.K. Pandey, Director (IEEEP) welcomed the gathering, Dr. G.J. Samathanam, Director of Research introduced the speakers. Dr. S. Kota Srinivas, Chief Scientist & in-charge CSIO, Chennai gave an overview on the energy situation in the country vis-à-vis International comparison as well as possible sources of renewable and other energy. Dr. D. Bansal, Senior Scientist, CSIR-CSIO, New Delhi centre shared



*Dr. S. Kota Srinivas, Chief Scientist & in-charge CSIO, Chennai being welcomed in the Workshop*



*View of RC Meeting chaired by Hon'ble Vice Chancellor*

the importance of energy audit, the principles, methodology, cost benefit to industries and other organizations and sharing of several models of case studies conducted in the past. Dr. G.S. Iyappan, Senior Scientist, CSIR-CSIO Chennai shared the findings of DST-CSIR-CSIO funded extramural R&D project on induction motor efficiency monitoring system which has become a success story for online, cost effective, in-situ induction motor efficiency



monitoring system. It was highly appreciated by the industry representatives as well as other participants of SRM University Haryana. It was informed that the technology is transferred to one of the seismic simulation modeling centre at CSIR-SERC, Chennai and actual online demonstration was shown on the health of several 100 HP motors operated at Chennai from Sonapat.

This is the first such workshop on technology awareness / technology demonstration for the benefit of young technologists of the university, students, faculty and industry representatives of this region. The workshop ended with vote of thanks by Shri Pawan K. Singh, Asst. Professor, Dept. of ECE.

### **Workshop on Higher Education 2015**

Admission & Outreach section of SRM University Haryana organized one day workshop on Higher Education. 12th Standard students several Schools in Sonapat (Government & Private) were invited alongwith their teachers. The workshop was addressed by Dr. Manish Bhalla, Registrar, Mr. N. Sentil Kumar, Director (A&O), Prof. P.M. Gaur, Coordinator (Admissions) and other invited officials of Department of Education, Government of Haryana. More than 350 students participated and were provided information on the status of higher education, national and international levels, indicators of good higher education institution, changing priorities in choosing institutions for higher learning etc. There was a also cultural programme by the local Haryana artists and singers.

### **Commerce Quest**

SRM University Haryana Organised a Commerce Quest Competition on 25<sup>th</sup> January 2015 in the University



*Felicitatation of the Guests by Dr. Manish Bhalla, Registrar, SRM University Haryana*



*A view of the audience of the Workshop on Higher Education 2015-16*



*Prof. P.M. Gaur, Coordinator, Admissions, SRM University Haryana proposing Vote of Thanks*

Campus at Rajiv Gandhi Education City Sonapat. Students from 13 schools of Sonapat participated.

This Competition is being organised by The Department of Commerce of SRM University Haryana.

More Than 150 participants registered to this from the Sonapat Region.

The Result of this Quest was declared on 10<sup>th</sup> February 2015 and prize distribution ceremony was



*Prof. C. Natarajan and Dr. G.J. Samathanam, distributed cash prize award for best performance in Commerce Quest organized by the Department of Commerce*

held on 25<sup>th</sup> February 2015.

This initiative was taken by SRM University Haryana for the benefit of young students of this region and encouraged such competition that would help them to groom their knowledge and lead them to achieve success in their professional area and befitting to the motto of this University “LEARN, LEAP LEAD” the world.

The event coordinated by Dr. Kamal Agarwal and Dr. Upendra Singh, Faculty Members, Department of Commerce.

### ***Inauguration of Science Technology & Innovation Forum (STIF) in SRM University Haryana, Sonapat on 06.04.2015***

Government of India has declared 2010 to 2020 as decade of Innovation. National Innovation Council encourages innovation at all levels in different parts of the country through various state

level, district level and to the gross root level innovation networking. Our Prime Minister has given trust for “Make-in India” slogan to encourage industrial growth and to convert innovative and indigenous strength in this mission.

SRM group of Institutions have rich legacy of more than 4 decades and known for technological education and innovation in this country. SRM University Haryana, Sonapat which was established August 2013 as a State Private University at Rajiv Gandhi Education City has given priority for nurturing the young minds in science, technology and innovation.

In this connection a students professional society – science, technology and innovation forum (STIF) has been formed in this University and formally inaugurated on 06.04.2015. This will be providing platform to students, faculty for cultivating and experimenting their innovative ideas and scientific thinking processes, scientific temper, intellectual property right, scientific debates discussions and competitions.

On this occasion, Dr. D. K. Pandey, Director (IEEEP), SRM University Haryana delivered his welcome address and emphasized the utility and vision of this forum. Hon’ble Vice Chancellor Professor Dr. S Rajarajan on his presidential

address highlighted the issues and challenges related to technology and innovation. Chief Guest, Dr. K. M. Paul, Former Director General, All India Radio delivered the inaugural speech, and encouraged the young minds towards indigenous innovation in various fields. Students from different disciplines of this University Mr. Shekhar Jha, CSE, Mr. Aakash Chhabra ME, Mr. Shiva Shrivastava, Civil Engineering, Mr. Amit Kumar, EEE, Ms. Shikha Goel Bioinformatics, Ms. Shubhangi Management, Ms. Sonam ECE also gave their view points on this occasion. Dr. Ajit Kumar, Coordinator (STIF), SRM University Haryana proposed the vote of thanks.

The function was also attended by many other senior functionaries like Dr. G.J. Samathanam Director, Research, Professor Samuel Raj Director C4D, Dean of Engineering, Professor I. K. Sharma and Senior Deputy Registrar Professor C. Natarajan and all Heads of the Departments.

### ***National Science Day Function at SRM University Haryana***

SRM University Haryana, Sonapat, the first educational institution started its academic session in Rajiv Gandhi Education City observed 2nd National Science Day on March 12, 2015. The focal theme



*Dr. K.M. Paul, Former Acting DG, AIR in the Inaugural Function of STIF*





*Felicitation of the Chief Guest, Dr. A.K. Srivastava, Vice Chancellor & Director of NDRI, Karnal*

of this year National Science Day is “Science for Nation Building”.

The National Science Day is being observed across the country on February 28 since 1987. Department of Science & Technology, Ministry of Science & Technology, Government of India was instrumental to declare February 28 as National Science Day in order to inculcate Scientific Temper among the people of India and to help in facilitating informed decision making in day-to-day life. On that day, Sir Chandrasekhar Venkat Raman’s discovery of the Scattering of Light commonly known as “Raman Effect” was declared to the world for which subsequently he got the Nobel Prize for Physics in 1930.



SRM University Haryana planned several events around the focal theme of this year’s NSD and conducted inter school Science Quiz for the students from nearby schools of Sonapat, in addition Essay Writing, Debate, Science Exhibition, Intra-University Science Quiz etc. These programmes were enthusiastically participated by the School and University students. The prize winning participants were given cash prize as well as certificate in the main function by the Chief Guest. This year’s Chief Guest for the Science Day Oration was Dr. A.K. Srivastava, Director & Vice Chancellor, National Dairy Research Institute (NDRI), Karnal. There was a skit by the SRM University students on the theme “Beti Bachao, Beti Padhao”. In addition, there was a clipping on “Challenge Chatni” depicting technical solutions of day-to-day life through innovation.

Dr. G. J. Samathanam, Director of Research welcomed and introduced Dr. Anil Kumar Srivastava as a distinguished fellow of National



*Snapshots of the NSD 2015 activities*

Academy of Agricultural Sciences, Fellow of National Academy of Veterinary Sciences, Fellow of National Academy of Dairy Sciences and was decorated with numerous, prestigious, National & International awards in the area of Veterinary & Animal Husbandry to the audience. He has also enlightened the audience about the genesis and significance of national science day and responsibilities of scientific community to the nation.

Prof. Dr. S. Rajarajan in his presidential address asserted that science and education must be utilized for the development and peace of the society. The Science has played a pivotal role in nation building and progress achieved today must be sustained.

Dr. A.K. Srivastava, the chief guest delivered a brilliant speech entitled “Will Science & Development in Food and Agriculture continue to feed India”. He touched upon on various issues related to the production of food grains, pulses, oilseeds, milk and so on vis-à-vis an intervention of Science & Technology for achieving high production in these areas from 1947 to the current level of growth. He motivated everyone to work together to achieve ‘Common National Goal’ which is for accelerating Science led food production to provide food and nutritional security for every citizen of the country. He congratulated the scientific community for their outstanding contribution in food production, dairy technology and other similar revolutions spearheaded by them putting the nation from poverty, hunger & malnutrition to attain food security to its citizens as well as on some sectors export too. He emphasized country has reached to the current level of 261 million tons of food grain production. He reminded that inspite of all these achievements, even now a large number of malnourished (40% of the world)



*Industrial / Institutional Visit of our students*

are still from India and we need to narrow down this percentage which is the challenge for the younger generation through research & development. He informed the brain development of the child born depends on the first 1000 days of the nourishment the pregnant mother receives. There is an urgent need for looking into the availability of micronutrients in their daily intake to our citizens.

Following are the prize winning teams in the function:

Essay writing competition, out of 26 students who participated, 3 were declared as first, second third who subsequently awarded Deepak Kumar from J.P. Jain Senior Secondary School, Ms. Archana from Om Shanti Shiksha Sadan, Mr. Pardeep from S.M. Hindu Senior Secondary School.

Inter School Science Quiz, Rishikul Vidyapeeth, Govt. Sr. Sec. School Akbarpur, Om Shanti Shiksha Sadan got first, second & third prize respectively.

Debate Competition, Mr. Sachin from J.P. Jain School & Ms. Kavita

Chauhan, Sunrize School got first prize and Mr. Ajay from J.P. Jain School and Mr. Sushant from Govt. Sr. Secondary School got second & third Prize.

Intra-University Quiz Competition among the winners were Mr. Lakshya Hooda, Mr. Rajesh Ranjan, Mr. Akash Chabra & Mr. Ishant Parashar. Among the first runner up were Mr. Shikhar Kapila, Mr. Shekhar Jha, Mr. Utsav Preet & Mr. Rohan Yadav.

Dr. D.K. Pandey, Director, IEEEP proposed vote of thanks followed by National Anthem.

### ***Industrial visit was carried out at the National Centre for Medium Range Weather Forecasting (NCMRWF)***

Industrial visit was carried out at the National Centre for Medium Range Weather Forecasting (NCMRWF). On 25th April, 2015 especially for semester 2nd and 4th (CSE and ECE) students. The main objective behind the visit was to make students aware about how various activities related to Weather Forecasting and

computer networking are carried out in NCMRWF and give them feel of Software Engineer or Network Engineer as soon as they start there course.

### ***Industrial visit was carried out at the PRASAR BHARATI DOORDARSHAN, HPT PITAMPURA.***

Industrial visit was carried out at the PRASAR BHARATI DOORDARSHAN, HPT PITAMPURA. (Dr. B. R. Ambedkar HPT TV Tower) on 17th April, 2015 especially for semester 2nd and 4th (CSE and ECE) student. The main objective behind the visit was to make student aware about how various activities related to Data transmission, Digital Transmission or Digital Communications and Computer Network or Signal are carried out in Doordarshan (Prasar Bharati)



*At Oxford University Prof. Andrew Briggs, Faculty of Engineering*

### ***International Tour***

Prof. S. Rajarajan, Hon'ble Vice Chancellor and Dr. V. Samuel Raj, Director (C4D) visited Oxford University, Cambridge University, Dundee University, London School of Hygiene & Tropical Medicine, UK, Imperial College, London and had high level discussion with Senior Functionaries and the faculty during March 24-31, 2015. This has facilitated for International research collaborations and also provided opportunity to learn the industry academia research infrastructures successfully functioning in these places. SRM University Haryana is planning to start a lab at Oxford University too.

### ***Congratulations!***



One of our young faculty Dr. Ashutosh Vishwa Bandhu has successfully defended his final Ph.D. Viva titled "Origin and evolution of the genetic code: an in-silico study" for the award of Doctor of Philosophy in Bioinformatics from Jawaharlal Nehru University, New Delhi on 13th February, 2015.



Dr. Abnish Singh, Asst. Professor, Dept. of English was honored for his poetry in Hindi titled "Tukda Kagaj Ka – an anthology of Hindi" by Vyakti Vishwam, Sharjah, UAE as well as Haribansh Rai Bachchan Yuva Geetkar Samman by U.P. Hindi Sansthan, Government of Uttar Pradesh.

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