

## HIGHLIGHTS

### BHOOMI POOJAN, HYDERABAD CAMPUS OF TERI UNIVERSITY **03 JULY 2017**

The Bhoomi Poojan for the Hyderabad campus of TERI University was held on 3 July 2017 at the Gachibowli site in Hyderabad. The Bhoomi Poojan was done by Dr Leena Srivastava, Vice Chancellor and Dr Rajiv Seth, Pro Vice Chancellor of TERI University. Activities of the Hyderabad campus will commence with short term training programmes and co-guided doctoral programmes in the academic year 2018, whilst the masters programmes will commence from the academic year 2019.



### ACADEMIC SESSION 2017-18 BEGINS **24 JULY 2017**

The academic session 2017-18 began from 24 July 2017 at TERI University. The journey for around 450 students for regular, distance learning, and doctoral programmes began with an extensive orientation programme. Students were informed about the course structure, University processes and structure, academic calendar, co-curricular activities and other relevant information. Ice-breaking and team building activities were also organized during the orientation programme.



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## 71<sup>ST</sup> INDEPENDENCE DAY CELEBRATIONS

**15 AUGUST 2017**

TERI University celebrated the 71<sup>st</sup> Independence Day with great enthusiasm and patriotic zeal. Students, faculty and staff of the University along with their families got together at the University campus for the celebrations. Dr Leena Srivastava, Vice-Chancellor, TERI University, hoisted the National Flag. A captivating medley of music and dance drama was presented by the students of the University on pressing environmental and social issues. Staff members and children of faculty members also performed during the celebrations. The programme also included a short quiz on India.



## TU EVENTS

### RESEARCH COLLOQUIUM 19-20 JULY 2017

The Department of Policy Studies, TERI University organized the Inaugural Research Colloquium on 19-20 July 2017. This biannual programme aims to provide a platform for discussions and peer feedback among the research scholars and faculty. This will also enable networking and creation of a vibrant research community at the Department.

Research scholars of the department shared their work on a wide range of topics, including ecological distribution conflicts, the role of armed forces in disaster management in India, methodological aspects of ethnographic research, the readiness of Indian legal framework for shale gas fracking, among others.

Gp Capt A Shajahan and Mr Shashikant Yadav were awarded certificates of recognition for their outstanding presentation in the Research Colloquium in the categories of post-comprehensive and pre-comprehensive doctoral scholars, respectively.

### SHORT-TERM TRAINING PROGRAMME ON DATA SCIENCE APPLICATIONS FOR SUSTAINABILITY 10 -12 JULY 2017

With the concept of a digital world taking precedence, our lives are being incessantly mapped and recorded in the digital realm. This, among other things, has led to availability of plethora of data that needs to be analysed in order to discover hidden patterns that are far from random. This is done through the field of Data Science. Although data science is used in different domains, such as marketing, management, natural resource management, climate change studies, finances, development economics, among many others, an understanding of connection between the field of data science and sustainability is still limited. This short-term training programme on 'Data Science Applications for Sustainability' was carefully crafted to address this need.

The objectives of the three-day residential course at TERI University were as follows:

- To understand the application of data science and its linkages with the pillars of sustainability
- To apply these techniques to live and practical cases through hands-on exercises of various forms of datasets
- To get exposed to different kinds of software required for analysing various data by using case-specific tools and techniques

The experts focused on using both the structured as well as unstructured data for better decision making by synergising environmental, social and economic dimensions of sustainability with the help of emerging data mining techniques at this bleeding edge of data science. Around 30 researchers, analysts, private-sector consultants, and students benefitted from this training programme.



## FORTHCOMING EVENTS

Events	Date and Venue	Contact Person
<b>10<sup>th</sup> Convocation of TERI University</b>	10 November 2017 TERI University	Registrar Email id: registrar@teriuniversity.ac.in
<b>International Conference on Agribusiness in Emerging Economies</b>	3-4 January 2018 TERI University	Devender Samant Email id: agribusinessconference@teriuniversity.ac.in <a href="http://www.teriuniversity.ac.in/icab/">http://www.teriuniversity.ac.in/icab/</a>
<b>International Conference on Business, Economics and Sustainable Development</b>	22-23 February 2018 TERI University	Montu Bose, Assistant Professor Vivek Tyagi, Research Scholar Email id : icbesd2018@teriuniversity.ac.in <a href="http://www.teriuniversity.ac.in/icbesd/">http://www.teriuniversity.ac.in/icbesd/</a>

## TU EVENTS

### RETOPIA 2017 22-23 SEPTEMBER 2017

#### 21<sup>st</sup> Century Energy Renaissance through Renewables

The Department of Energy and Environment at TERI University organized the 7<sup>th</sup> edition of its annual technical conclave, 'REtopia' in partnership with Indian Renewable Energy Development Agency Limited (IREDA), Daikin, Roots Cooling Systems (RCS) Pvt. Ltd., Camfil Air Filtration India Pvt. Ltd., Edgetech Air Systems Pvt. Ltd., and Grassroots and Rural Innovative Development (G.R.I.D) Pvt. Ltd.

The event brought together more than 150 people from academics, industry and government to emphasize the need of clean technology, share best practices and explore the extended role that clean energy can play in sustainable development of our country. Dr Junaid Kamal Ahmad, World Bank Country Director for India inaugurated the event with Dr Leena Srivastava, Vice-Chancellor, TERI University and Mr Amit Kumar, Senior Fellow & Senior Director, TERI.

Eminent speakers from the industry discussed various aspects of the renewable energy sector and also addressed the challenges faced in this steadily growing industry. Young entrepreneurs gathered at the event to share their start up journey in the energy sector as part of the segment, 'Udaan – Ideas of Change'. A range of competitions were organized as part of the event with an aim to bring forth innovative ideas in the realm of clean energy: *Parikalpana* - Renewable Energy Design Challenge; *Yukti* - Troubleshooting Renewable Energy Problems; *Suchna* - Photography Competition; *Drishtikon* - Poster Presentation; and *Dhwani* - Group Discussion And Debate.

ReMag – The annual magazine by the Department of Energy and Environment at TERI University was also released during the event.



### FRESHER'S EVENING

26 AUGUST 2017

The new batch of TERI University students was welcomed by the batch of second year students with a week-long celebrations which concluded with the Fresher's Evening on 26 August 2017 – an evening filled with talent, music, excitement and enthusiasm. The event acted as an ice-breaker between the new and the senior batch of students. Each day of the week beginning from 21 August 2017 till the Fresher's Evening observed a theme. The Fresher's Evening included a sequence of audition rounds for 'Mr Fresher' and 'Ms Fresher' filled in by performances and a stand-up comedy act by senior students.



### BIOTIKOS 2017 28-29 SEPTEMBER 2017

#### 'Trends in Nano biotechnology'

TERI University Biotechnology Society organized their annual technical event, BIOTIKOS on 28-29 September 2017 in partnership with Department of Biotechnology, Government of India; Monsanto and STM Journals. The event focused on the theme, 'Trends in Nano biotechnology', this year. More than 150 scholars, academia and students gathered to discuss and deliberate on the upcoming areas in Nano biotechnology and its applications and relevance in different scientific fields to the contemporary imperative of sustainable development.

The event was inaugurated by Dr Manoj Kumar Patariya, Director of the CSIR-National Institute of Science Communication And Information Resources (CSIR-NISCAIR), New Delhi, along with TERI University's Vice-Chancellor Dr Leena Shrivastava and Dr Alok Adholeya, Director, TERI-Deakin Nanobiotechnology Centre. This event included a series of lectures, panel discussion, quiz and poster presentation across various domains of nano biotechnology such as nanomaterial, nano bioscience, nano medicine, agriculture, environmental nano biotechnology, and more.



## SPECIAL SESSIONS AT TU

### POTENTIAL GLOBAL ECONOMIC AND ENVIRONMENTAL IMPACT OF THE OPEC OIL PRODUCTION FREEZE

27 JULY 2017

**By Dr Badri Narayanan G Economist, School of Environmental and Forestry Sciences, University of Washington-Seattle**

Dr Badri gave insight on the changing dynamics of the oil industry with an overview of its impact on various countries. He also highlighted how Petroleum Exporting Countries (OPEC) members are getting affected with both the oil glut as well as increasing share of renewables in the power mix. He also discussed the global Computable General Equilibrium (CGE) model, which captures all energy resources comprehensively. All this is expected to result in emission reduction but assessed the losses across the world due to the artificial reduction in oil supply.



### CAREER AVENUES IN SMART CITIES AND RESOURCE EFFICIENCY

9 AUGUST 2017 AND 30 AUGUST 2017

**By Mr Gaurav Bhatiani, Chief Operating Officer and Chief Economist, IL &FS**

Two interactive sessions were organized for students of TERI University by Gaurav Bhatiani, Chief Operating Officer and Chief Economist, IL &FS. Mr Bhatiani highlighted the upcoming career avenues and the skills required thereof in the areas of urban infrastructure; smart cities; resource efficiency; and associated economic modeling. He also shared the work of IL&FS and opportunities for TERI University students to be a part of their team. The sessions were followed up by rounds of interview of students for internship opportunities at IL&FS.



### IMPLEMENTATION OF THE GST AND ITS IMPACT ON THE INDIAN ECONOMY

31 AUGUST 2017

**By Dr Surajit Das, Centre for Economic Studies and Planning, JNU**

Dr Surajit Das discussed the implications of the proposed Goods and Services Tax (GST) on different aspects of economy, society and hence development. According to him, the proposed GST would aggravate the already high degree of inequality in the country, and would inevitably curb the fiscal autonomy of state governments significantly. Contrary to the government's claims, the implementation of the GST would not automatically enhance growth rate, reduce inflation or improve tax compliance. The calculations of the revenue neutral rates depend on various assumptions. He stressed that different states should be allowed to set their own state-GST rates with provisions for an entry tax. More emphasis should be put on direct taxes rather than the GST for improving India's abysmally low tax to gross domestic product ratio.

### ARTS FOR DEVELOPMENT COMMUNICATION

16 AUGUST 2017

**By Dr Navina Jafa, Vice President, Centre for New Perspectives (CNP)**

At TERI University, Dr Jafa shared her perspectives on Art as a medium of productive development. She shared examples and case studies on how ethnographically defined performance is used to transform a passive community audience, belonging to a specific culture to transform into performers or actors of change. According to her, 'Performance' is something beyond creation of a spectacle. It is not only music, dance, puppetry, circus, jugglery or theatre but something that becomes the space for dialogue, interaction and drama. It is a platform created by the people to interact, participate, enact and interface on development issues.



### TU-DBT LECTURE SERIES: 'ENGINEERED SOLENOID PROTEINS: TOOLS FOR STRUCTURAL AND SYNTHETIC BIOLOGY'

4 SEPTEMBER 2017

**By Dr Peer Mittl, Senior Scientist at the Department of Biochemistry, University of Zurich**

In this special lecture, Dr Mittl focused on, Designed Armadillo Repeat Proteins (dArmPRs) and Designed Ankyrin Repeat Proteins (DARPin), the two examples of engineered solenoid proteins with high potential for applications in basic research, clinical diagnostics and disease treatment.

## MUMBAI: A CLIMATE CHANGE ALERT AGAIN

DECCAN HERALD (ONLINE);  
2 SEPTEMBER 2017

By Sapan Thapar, Lecturor, Department of Energy and Environment, TERI University

Focus on climate change mitigation rather than adaptation measures, as the latter is many times costlier.

Read full article at:

<http://www.deccanherald.com/content/631033/mumbai-climate-change-alert-again.html>

## MUMBAI FLOODS: ARE WE LEARNING FROM OUR PAST?

HINDUSTAN TIMES (ONLINE)  
5 SEPTEMBER 2017

By Shaleen Singhal, Associate Professor, Department of Energy and Environment, TERI University

While some of our cities may notionally indicate a change towards preparedness for disaster response, almost all cities fail to demonstrate proactive planning and strategic actions executed.

Read full article at:

<http://www.hindustantimes.com/opinion/mumbai-floods-are-we-learning-from-our-past/story-y1bioWHC1hEr6HHV0MEA5K.html>

## TERI UNIVERSITY SECURITY AND SAFETY COMMITTEE

A committee has been formed to review security and safety measures at the University campus. This committee will consider and review all the existing security and safety measures at the campus, including adequacy of the CCTV coverage and of security guards; police verification of cafeteria, housekeeping and security staff; and related aspects that might adversely affect security and safety of students and staff of the University both during and/or off working hours.

## WORLD eBOOK LIBRARY (WeL) AND SOUTH ASIA ARCHIVE (SAA) ACCESS NOW IN TERI UNIVERSITY CAMPUS

The access of two e-resources World e-Book Library (WeL) and South Asian Archive (SAA) on National Licensing are now available to TERI University through INFLIBNET.

The World e-Book Library includes 3 million (3000000) primary sources spanning past 1000 years of world history in more than 320 different languages. In addition, contemporary journal collections of WeL include scholarly journals and academic articles from every academic field.

The South Asia Archive contains more than 4.5 million pages spanning the period of 18<sup>th</sup> and mid-20th century from documents across the Indian subcontinent, including India, Pakistan, Burma, Afghanistan and Bangladesh.

These two resources will add a wealth of interdisciplinary content - books, journals, film ephemera, census reports and more for students and faculty members of TERI University.

## PUBLICATIONS

Kumar, P., Arora, A. and Singhal, S. (2017). Public Transit User Captivity in Delhi: A Case Study of Metro Rail and Bus Users in Nehru Place Business District. *Transportation in Developing Economies*, 3(22).

[https://link.springer.com/epdf/10.1007/s40890-017-0050-0?author\\_access\\_token=phpEBSNs1GJK3jPT8eT5kfe4RwIQNchNBvi7wbcMAY7AekBi7BXaMdUsszTdw4ymqjpsHBNAj2j6EbfV2AYAE5RZOLPIPNclZ33cw1V1H2lZqtnpWCxPssXMFJPrQWPTx5Hl4nG5r9VE3tyZcHCWg%3D%3D](https://link.springer.com/epdf/10.1007/s40890-017-0050-0?author_access_token=phpEBSNs1GJK3jPT8eT5kfe4RwIQNchNBvi7wbcMAY7AekBi7BXaMdUsszTdw4ymqjpsHBNAj2j6EbfV2AYAE5RZOLPIPNclZ33cw1V1H2lZqtnpWCxPssXMFJPrQWPTx5Hl4nG5r9VE3tyZcHCWg%3D%3D)

Kumar, P., Singh, C., Saraswat, C., Mishra, B. and Sharma, T. (2017). Evaluation of aqueous geochemistry of fluoride enriched groundwater: A case study of the Patan district, Gujarat, Western India. *Water Science*.

<https://doi.org/10.1016/j.wsj.2017.05.002>

<http://www.sciencedirect.com/science/article/pii/S111049291630039X>

Bhattacharya, S., Tokovenko, O. and Sardana, K. (2017). Heterogeneity, impatience, and dynamic private provision of a discrete public good. *Journal of Public Economic Theory*.

DOI: 10.1111/jpet.12263

<http://onlinelibrary.wiley.com/doi/10.1111/jpet.12263/abstract>

Barnwal, P., van Geen, A., von der Goltz, J. and Singh, C. (2017). Demand for environmental quality information and household response: Evidence from well-water arsenic testing. *Journal of Environmental Economics and Management*.

<https://doi.org/10.1016/j.jeem.2017.08.002>

<http://www.sciencedirect.com/science/article/pii/S0095069617305387#>

Renu, Bora, B., Prasad, B., Sastry, O., Kumar, A. and Bangar, M. (2017). Optimum sizing and performance modeling of Solar Photovoltaic (SPV) water pumps for different climatic conditions. *Solar Energy*, 155, pp.1326-1338.

<http://www.sciencedirect.com/science/article/pii/S0038092X17306436#>

## ACHIEVEMENTS

- **Dr Shaleen Singhal**, Associate Professor at the Department of Energy and Environment has been selected for the Fulbright-Nehru Academic and Professional Excellence Fellowship to conduct research at the Yale University, USA.
- **Dr Suresh Jain**, HoD and Professor at the Department of Energy and Environment, has been felicitated as the Commonwealth Professional Fellow by Commonwealth Scholarships Commission, UK, 2016-17 and has been selected for International Visitor Leadership Program 2017 by U.S. State on 'Air Pollution Monitoring and Governance Tools' from 16 October – 3 November, 2017.
- **Ms Fawzia Tarannum**, Lecturer at the Department of Regional Water Studies has been selected for the Hubert H. Humphrey Fulbright Fellowship Program and will spend ten months at USA for non-degree graduate study and related practical professional experience.
- **Dr Prashant Kumar Singh**, Assistant Professor at the Department of Policy Studies received the Max Planck-India Mobility Fellow Award (2016-19) from the Max Planck Society, Germany, for collaborative research activities with the scientists/researchers at Max Planck Institute for Demographic Research (MPIDR), Rostock, Germany.
- **Mr Sanjay Kumar** (Alumni of MA PPSD, Class of 2008) received the 2017 Sustainable Purchasing Individual Leadership Global Award by the Sustainable Purchasing Leadership Council. Mr Sanjay Kumar is currently the Additional General Manager, Dedicated Freight Corridors Corporation of India limited (DFCCIL), Ministry of Railways, Government of India

TERI University has instituted various awards to recognize the outstanding contributions of faculty and staff members. The recipients of the award for the Academic Year 2016-17 are as follows:

### Faculty of the Year Award



**Dr Suresh Jain**  
HoD and Professor  
Department of Energy and Environment



**Dr LN Venkataraman**  
Assistant Professor  
Department of Policy Studies

### Outstanding Service Award (Staff)



**Ms Pooja Choudhary**  
Deputy System Analyst (IT)

## About TERI University



The TERI University had its genesis as the TERI School of Advanced Studies which was set up as a Trust by TERI (The Energy and Resources Institute) - a not-for-profit, independent research institute recognized globally for its contribution to scientific and policy research in the realms of energy, environment, and sustainable development in 1998. In 1999, the TERI School of Advanced Studies was granted the 'Deemed to be University' status by the University Grants Commission (UGC) and notified vide the Ministry of Human Resources Development, Department of Education, Government of India, notification no. F.9/19/95-U-3, dated October 5, 1999. The Ministry of Human Resource Development, Government of India approved the change in name of TERI School of Advanced Studies to TERI University in October 2006.

The object of the TERI University is to build capacity around various themes of sustainable development adopting an inter-disciplinary approach and incorporating the most contemporary, research-based evidence into the curriculum. Since its inception, the TERI University has offered not just world-class education, but also an environment that enables its students to develop fresh perspective in their subject areas. Beyond the academic programmes, the University is actively reaching out to school and college students as also to mid-career professionals to sensitize them towards the environment and sustainable development in a systemic, solutions-oriented manner.

The University started functioning from its 'green campus', located in Vasant Kunj, in 2008 and today offers a dozen Masters programmes and has nearly 200 PhD students enrolled. It has started work on developing two new campuses at Hyderabad, Telangana in the south of India and at Guwahati in the north-eastern state of Assam and hopes to start offering academic programmes from these campuses by 2019.



**For more information, please contact:**

### The Registrar

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### NEWSLETTER TEAM

**Ms Supriya Gulati**  
Asst. Communications Officer

**Mr Saksham Goel**  
Student, M. Tech (REEM)