



International Conference
on
**“Energy, Economy and Sustainable Development:
Opportunities & Challenges”**
Conference Dates: 16-17 February, 2016

Organised by
Department of Economics, Jamia Millia Islamia, New Delhi
Sponsored by



Venue:

Tagore Hall, Dayar-i Mir Taqi Mir, Administrative Block,
Jamia Millia Islamia, New Delhi-110025



CONFERENCE PROGRAMME

16 February, 2016 (Tuesday)

Registration Reconfirmation: 9.00 am – 9:30 am	
Coordinators: Ms. Abida Begum, Mr. Rahat Ali, Ms. Sana Khan (BACA), Mr. Nitin (B.A (H)	
Inaugural Session: 09:30 am – 11.00 a.m, 16 February, 2016.	
Venue: Tagore Hall, Dayar-i Mir Taqi Mir, Administrative Block, JMI, New Delhi.	
Welcome Remarks:	Prof. Shahid Ahmed, Head, Department of Economics, JMI, New Delhi
Conference Theme:	Dr. Saba Ismail, Organizing Secretary/Convener, Department of Economics, JMI, New Delhi
Chairperson:	Prof. Talat Ahmad, Vice Chancellor, JMI
Inaugural Remarks:	Prof. Khan Masood Ahmad, Vice-Chancellor, KMCAFU University Lucknow
Keynote Address:	Dr. Nagesh Kumar, Head, UNESCAP South-South West Office New Delhi
Vote of Thanks:	Ms. Anjali Tandon, Department of Economics, JMI
Session Incharge: Anjali Tandon, Department of Economics, JMI.	
Students Coordinators: Ms. Aishwarya Tuli, Mr. Abhay, Mr. Satinder, Ms. Sadaf Khan	
Compere: Ms. Zeba Khan	
Session Rapporteur: Mr. Sahil, Ms. Esha Jain, Ms. Diksha Gupta	
Tea Break 11.00 a.m. – 11:30 am	
Plenary Session: 11:30 a.m. – 1.00 pm	
Theme: Energy Security and Economic Development	
Venue: Tagore Hall, Dayar-i Mir Taqi Mir, Administrative Block, JMI, New Delhi.	
Chair cum Moderator: Prof. Khan Masood Ahmad, Vice-Chancellor, KMCAFU University Lucknow	
Speakers:	
1. Dr. Praveen Jha, Chairperson, CESP, JNU	
2. Prof. Surender Kumar, DSE, DU, New Delhi	
3. Dr. Anil Jain, Energy Advisor, Niti Ayog, New Delhi	
4. Prof. Shahid Ahmed, Head, Department of Economics, JMI	
5. Prof. Majid Jamil, Head, Department of Electrical Engineering, JMI	
Session Incharge: Imran Alam, Department of Economics, JMI.	
Students Coordinators: Mr. Paras Agarwal, Ms. Neha, Ms. Alfiya	
Compere: Ms. Saman Afshan	
Session Rapporteur: Ms. Simran Garg, Ms. Shazia Shamim, Mr. Sushav Narola, Rachna Bhalla	

Lunch Break 1:00 pm – 2:00 pm

Technical Session 1: Energy, Poverty and Sustainable Development

Time: 2:00 pm – 3:30 pm, Date: 16 February, 2016.

Venue: Tagore Hall, Dayar-i Mir Taqi Mir, Administrative Block, JMI, New Delhi.

Chairperson: Dr. Rajesh Chadha, Senior Research Counselor and Senior Fellow, NCAER, New Delhi.

Paper Presenter	Paper
Irfan Ali K C, IIT Bombay & Md Azharuddin Khan	Post Development Ideas: A Critique Of Sustainable Development And Promotion Of Post Development Ideas In India
Maria Khan and Urvashi Sirohi, Ph. D Scholars, Centre for the Study of Regional Development, Jawaharlal Nehru University, New Delhi	Energy Poverty and the Determinants of Household Energy Use
Bilkisu Aliyu Abubakar (Mrs) and Shuaibu Adamu Department Of Economics Federal University Birnin Kebbi	Energy, Poverty And Sustainable Development In Nigeria
Md Zakaria Siddiqui Research Fellow Australian National University and Honorary Adjunct Fellow Institute of Development of Studies Kolkata	Inequality in Access to Modern Energy Services in Rural India during the Era of Economic Reform
Saba Ismail, Assistant Professor, Jamia Millia Islamia University, New Delhi, India	Revisiting the Environmental Kuznets Curve Hypothesis

Session Incharge: Nisar MP, Department of Economics, JMI.

Students Coordinators: Ms. Shreya Oberoi, Mr. Siddharth Pant, Mr. Aritrik Pramanik.

Compere: Ms. Alfiya

Session Rapporteur: Ms. Sonal Mittal, Ms. Bushra, Aarush Gupta

Tea Break: 3:30 pm-3:45 pm

<p><u>Technical Session 2:</u> Economic Growth and Issues of Sustainability</p> <p>Time: 3:45 pm – 5:30 pm, Date: 16 February, 2016.</p> <p>Venue: Tagore Hall, Dayar-i Mir Taqi Mir, Administrative Block, JMI, New Delhi.</p> <p>Chairperson: Prof. Shahid Ahmed, Head, Department of Economics, JMI</p>	
Paper Presenter	Paper
Henrique Schneider, Professor, Swiss Federation of SME, Switzerland	A(ny) Future for Carbon Markets?
Prof. Naushad Ali Azad, Department of Economics, JMI, New Delhi	A Perspective of Sustainable Development of North Eastern Region (NER) of India: Opportunities & Challenges
Furqan Khan, Asim Hasan and Zainab Hussain Research Scholar, Dept. of Agricultural Economics and Business Management, AMU, Aligarh	GMOs: A Solution To Food Security And Environment
Mriganka De Sarkar, Assistant Professor, Department of Economics, Goenka College of Commerce and Business Administration, Kolkata, West Bengal.	Energy and Emission Intensity of Power Sector: Detrimental Effect on Local Lively Hood.
Dilpazir and Javed Iqbal School of Mamangmeent Studies, BGSB University, Rajouri, J&K	Role of Watershed Management in Sustainable development of district Rajouri
U.J.Banday, Research Scholar, Jamia Millia Islamia University, New Delhi, & Saba Ismail, Assistant Professor, Jamia Millia Islamia University, New Delhi, India	Dynamics of Tourism, Economic Growth and Environment: Empirical Evidences from BRICS Nations
<p>Session Incharge: Mr. Sushil Sharma, Department of Economics, JMI.</p> <p>Students Coordinators: Ms. Simran Garg, Ms. Sadaf Khan, Ms. Sonu Gupta.</p> <p>Compere: Ms. Shamamatul Amber.</p> <p>Session Rapporteur: Ms. Angna Parashar, Ms. Kuljyoti Dhingra, Mr. Hamed Hamdiyar.</p>	

<p><u>Parallel Technical Session 3 A:</u> Energy Security: New Opportunities</p> <p>Time: 9:30 am –11:00 am, 17 February, 2016</p> <p>Venue: Mir Anees Hall, Dayar-i Mir Taqi Mir, Administrative Block, JMI, New Delhi.</p> <p>Chairperson: Prof. Shahid Ashraf, Department of Economics, JMI, New Delhi.</p>	
Paper Presenter	Paper
Rahil Akhtar Usmani and Md. Anis Anwar, Research scholar, Dept. of AEBM, Aligarh Muslim University, Aligarh	Scope of Lignocellulosic Ethanol For Energy Security And Climate Change Mitigation
Satrajit Dutta Assistant Professor of Economics Deptt. of Economics Gorubathan Government General Degree College (University of North Bengal, W.B.)	India: Energy Security and Green Economy (A SWOT Analysis)
Talha Akbar Kamal Research Scholar, Dept. of AEBM, A.M.U., Aligarh	Biofuel Second Generation and Energy Security: An Overview
Premakumara G.S Sr. Asst. Professor of Economics, University of Mysore	Measurement of Energy Security in India: An Empirical Analysis
Kapil Narula National Maritime Foundation, Airport Road, New Delhi - 110 010 (India) Indira Gandhi Institute Of Development Research, Goregaon (E), Mumbai - 400 065 (India)	India's Emerging Energy Supply Insecurity: A Quantitative Assessment
<p>Session Incharge: Ms. Tanzeem Hasnat, Department of Economics, JMI.</p> <p>Students Coordinators: Ms. Shruti Pathak, Mr. Sayeedur Rehman, Mr. Sahil Arora</p> <p>Compere: Ms. Subuhi Karim</p> <p>Session Rapporteur: Ms. Anam, Mr. Muneer, Ms. Barkha Gurani</p>	
<p><u>Parallel Technical Session 3B:</u> Energy Challenges and Environment Sustainability</p> <p>Time: 9:30 am –11:00 am, 17 February, 2016</p> <p>Venue: Tagore Hall, Dayar-i Mir Taqi Mir, Administrative Block, JMI, New Delhi.</p> <p>Chairperson: Prof Mohammad Shafiq, Dean, Faculty of Social Sciences, New Delhi</p>	
Paper Presenter	Paper
Rania BEN HAMIDA	The Relationship between Energy

Assistant Professor in Economics, Faculty of Economics and Management of Sfax (Tunisia), Economics Department & Hayfa ELKADHI, Ph.D. Candidate in Economics, CERDI, University of Auvergne, France; LEFA, University of Carthage, Tunisia	Consumption, Greenhouse Gas Emissions, and Meteorological Factors in Sfax (Tunisia): An ARDL Bounds Testing Approach
Amarjit Singh Sethi, Professor, Punjab School of Economics, Guru Nanak Dev University, Amritsar, India and Supreet Kaur, Assistant Professor, Khalsa College, Amritsar, Punjab, India	Is Electricity Consumption an Important Source of Economic Growth? An Analysis for Punjab and Haryana States vis-à-vis the Indian Economy
Oindrila Ghosh, Nalanda University	Ecological, Demographic and Economic Impact of Agent Orange on Vietnam
Mohammed Shameem –P IInd Year M.A Applied Economics Pondicherry University	Restatement of The Theory of Critical Minimum Effort : A plan for energy poverty challenge in India
Abhinav and Divya Pahuja, TERI University, New Delhi.	Moving Towards Kerosene- Free Energy Solutions: The Solar Financing Perspective
<p>Session Incharge: Ms. Kirti Gupta, Department of Economics, JMI.</p> <p>Students Coordinators: Mr. Mohammad Umer, Ms. Saba, Ms. Reshmin Ara Begum</p> <p>Compere: Ms. Aaishwary Tuli</p> <p>Session Rapporteur: Ms. Sonu Gupta, Ms. Asna Farooqui.</p>	
Tea Break: 11:00-11:30 pm	
Plenary Session: 11:30 a.m. – 1.00 pm	
Theme: Inclusive Growth and Sustainable Development	
<p>Venue: Mir Anees Hall, Dayar-i Mir Taqi Mir, Administrative Block, JMI, New Delhi.</p> <p>Session Incharge: Ms. Suchi Goel, Department of Economics, JMI.</p> <p>Chair cum Moderator: Prof. Ravi Srivastava, CSRD, JNU</p> <p>Speakers:</p> <ol style="list-style-type: none"> 1. Prof. Chetan Ghate, ISI, New Delhi 2. Prof. Ritu Mathur, TERI university New Delhi 3. Prof.Syed Ahsan, Faculty of Economics, SAU, New Delhi. 4. Dr. C.S.C Shekhar, IEG, Delhi. 5. Prof. M. Upadhyaya, IIT, New Delhi. 	
<p>Session Incharge: Ms. Swatilekha, Department of Economics, JMI.</p> <p>Students Coordinators: Ms. Chetna Malik, Ms. Eshana.</p>	

Compere: Ms. Asna Farooqui

Session Rapporteur: Ms. Asmita Sachdev, Ms. Nairah Noor, Ms. Versha Jain.

Lunch Break 1:00 pm – 2:00 pm

Technical Session 4A: Energy Prices, Consumption, Efficiency and Carbon Instruments

Time: 2:00 pm – 4:00 pm, Date: 17 February, 2016.

Venue: Mir Anees Hall, Dayar-i Mir Taqi Mir, Administrative Block, JMI, New Delhi.

Chairperson: Prof. Rakesh Mohan Joshi, IIFT, New Delhi.

Paper Presenter	Paper
Somesh K. Mathur, Associate Professor of Economics, Department of Humanities and Social Sciences, Indian Institute of Technology Kanpur, Kanpur – U.P. – India	Energy Consumption, Energy Efficiency, CO2 Emissions And Economic Growth: A Panel Study of Some Selected Developing, Transition and Developed Countries
Manoj Shukla Associate Professor Department of Economics, Aggarwal College Ballabgarh	Energy Efficiency Improvement through Sustainable Transport system (A case study of National Capital Region-Delhi)
Anjali Tandon ICSSR Doctoral Fellow, Department of Economics, Jamia Millia Islamia University and Associate Fellow (currently on lien), NCAER; and Shahid Ahmed Professor, Department of Economics, Jamia Millia Islamia University, New Delhi, India.	Comparing Production and Consumption Based Estimates of Embodied Energy: A Case Study of Indian Economy
Arfia Aman Research scholar, Department of Economics Department of Economics, University of Lucknow, Uttar Pradesh, India	Household Energy Crisis in Rural Areas in India: a Challenge for Rural Women's Empowerment
Praerna Sharma, MCMDAV College, Chandigarh	Energy and Sustainable development: Challenges before India
MOHD AFJAL, Ph.D (ECONOMICS) Department of Economics (AMU, Aligarh)	Macroeconomic Impact of Crude Oil Prices on Indian Economy
Dr Vaqar Ahmed, Deputy Executive Director, Sustainable Development Policy Institute, Islamabad, Pakistan. & Ms. Huma Dad Khan, Research Associate, Economic Growth Unit, SDPI, Islamabad.	Investment Situation in energy sector of Pakistan: An Assessment
Mr. Priyabrata Panda, Research Scholar, Ravenshaw University,	Carbon Credit Mechanism as a Tool for Fostering Green Energy.

<p>Mrs Sovan Mishra, Research Scholar, Ravenshaw University, and Prof Dr. Kishore Kumar Das, Registrar, Ravenshaw University, Cuttack. Odisha 753003.</p>	
<p>Session Incharge: U.J.Banday, Department of Economics, JMI. Students Coordinators: Ms. Niharika Joshi, Mr. Mohd. Asif, Mr. Ashish Gupta Compere: Mr. Mohammad Sheez. Session Rapporteur: Mr. Satender Prasad Yadav, Reshmin Ara, Shreya Oberoi, Sanket, Paras Agarwal, Ms. Vani Agarwal</p>	
<p>Technical Session 4B: Energy Markets and Future Energy Policies Time: 2:00 pm – 4:00 pm, Date: 17 February, 2016. Venue: Tagore Hall, Dayar-i Mir Taqi Mir, Administrative Block, JMI, New Delhi. Chairperson: Prof. Naushad Ali Azad, Department of Economics, JMI, New Delhi</p>	
Paper Presenter	Paper
<p>Jasmeet Kaur, SP Jain Global School of Management, Mumbai and Madhubanti Dutta, Symbiosis School of Economics, Pune</p>	<p>Energy Market Integration And Trade Liberalization</p>
<p>Amrit Pal Kaur, Jaspal Singh, S.S.Raju and S.K.Srivastava ICAR-National Institute of Agricultural Economics and Policy Research, Pusa, New Delhi</p>	<p>Dynamics of Labour and Machine Energy Use in Punjab Agriculture</p>
<p>Abdul Musvver Dept West Asian Studies, Aligarh Muslim University</p>	<p>China's Trade Relations with Saudi Arabia: Performance and Prospects</p>
<p>Imran Alam, Research Scholar, Department of Economics, JMI and Prof. Shahid Ahmed, Department of Economics, JMI</p>	<p>Energy Trade between India and GCC Countries: An exploratory assessment</p>
<p>Robin Singhal, Assistant Professor, Department of Economics, DAV University</p>	<p>Prospects and Policies for Biodiesel in India: An Assessment</p>
<p>Gemechis Mersha Debela</p>	<p>Biofuels, Poverty, Food Security and Growth</p>

Centre of environment and Development, Addis Ababa University, Ethiopia &	in Ethiopia: A Computable General Equilibrium Microsimulation Analysis
Economics Department, University of Leuven, Belgium & Seneshawu Tamiru Economics Department, University of Leuven, Belgium	
Shivaraju.C.D, Research Scholar UGC Centre for Southern Asia Studies School of Social Sciences and International Studies, Pondicherry (Central) University, Puducherry	India's Energy Currents in the Indian Ocean: Diverging or Converging?
Rashmi Srivastava, University School of Environment Management, GGS Indraprastha University	Microbe Power: contemporary applications and future prospects, for sustainable energy fabrication
Session Incharge: Ms. Tanya Gandhi, Department of Economics, JMI.	
Students Coordinators: Mr. Didarul Karim, Ms. Sehar, Chimnay Khare, Angana	
Compere: Ms. Varsha Jain/Aarush	
Session Rapporteur: Ms. Shazia Shamim, Ms. Esha Jain, Deeksha, Shruti	
<u>Valedictory Session, Time: 4:00 pm (onwards), 17 February, 2016 (Wednesday).</u>	
Venue: Mir Anees Hall, Jamia Millia Islamia, New Delhi	
Remarks by Head of the Department: Prof. Shahid Ahmed	
Chairperson: Prof M.H. Qureshi, Former Professor, CSRD, JNU & A.M. Khwaja Chair Professor, JMI	
Rapporteur's Report: Ms. Anjali Tandon, Department of Economics, JMI	
Valedictory Address: Prof. Abhijit Sen, Former Member Planning Commission, Government of India and Professor in CESP, JNU	
Vote of Thanks: Dr. Saba Ismail, Organizing Secretary/Convener, Department of Economics, JMI	
Student Coordinators: Ms. Neha, Mr. Nitin, Ms. Sonal Mittal	
Compere: Ms. Saman Afshan	
Session Rapporteur: Ms. Bushra, Ms. Anam, Ms. Angna Parashar.	
High Tea	