

Invited Lecture Delivered:

1. Lecture delivered at Lingaya Institute of Management and Technology, Nachauli, Old Faridabad, Faridabad- in AICTE Sponsored Induction Training Programme – Role of Technical Institutions in Rural Development on 23.12.2003 time 1.30 to 4.00 pm.
2. Biogas Bottling for Rural Entrepreneurship Development, Utthan- 2005 , Seminar on Sustainable Development – Technology Initiatives for the Development of Rural Masses, Feb 18-20, 2005 Organized by CTSD, Faridabad.
3. Traditional System of Water Conservation and Rain water Harvesting in Arid and Semi Arid Region of Rajasthan: Lessons to be Learnt, Proc. of the first International Symposium on South East Asian Water Environment, October 23-25, 2003 Asian Institute of Technology, Bangkok pp 204-211.
4. Prakriti 2005 – National Conference cum Exhibition, Role of Science and Technology for Rural Economic Self Reliance, 9-11 December, 2005 Noida.
5. Enrichment of Biogas and Bottling Technology, in Staff Orientation Training on Biomanure, Multi Disciplinary Training Centre, KVIC, Gandhi Darshan, Rajghat, New Delhi- 21.9.2006.
6. Integrated Resource Management- Bio Energy Strategy 17.11.2006 at Indian International Centre in National Seminar on Integrated Energy Management: Resource Perspective and Management Prospects by Public Dialogue Institute, New Delhi.
7. National Biogas Manure Management Programme - An Overview for Organic Farming, 11.12.2006 in QIP Short Term Course on Biotechnology for Portentous food, Cattle Feed and Biofertilizer Production at IIT Delhi.
8. Present Scenario of Biodiesel in India, 17 March 2007 in Workshop on Biodiesel at Advance Institute of Technology and Management, Palwal, Haryana organized by Centre of Technology for Sustainable Development under the Aegis of Adarsh Samaj Sahyog Samiti Faridabad.
9. Biogas Upgradation and Bottling for Rural Entrepreneurship, in UMANG – Programme on Rural Technologies-Changing Lives, by Dept. of Management Studies, IIT Roorkee on 18 March 2007.
10. Purification of Biogas and Bottling Technology, in Staff Orientation Training of Biotechnology at Zonal Pilot Centre, MDTC, Gandhi Darshan, Rajghat, KVIC on 8 January, 2008.
11. Entrepreneurship Avenues in Purification of Biogas and Bottling Technology, in Staff Orientation Training of Biotechnology at Zonal Pilot Centre, MDTC, Gandhi Darshan, Rajghat, KVIC on 21 January, 2008.
12. Biogas Technology in India and Its Potential for Vehicular Use, 22 February, 2008 at 10.30 am in Short Term Course on Utilization of Solar Energy and Its Application (Feb 8- 22, 2008), CEs, IIT Delhi.
13. Keynote Address in 4th Technical Session on Advanced Materials, Processes and Automation, in National Conference on Engineering Technology for Sustainable Development: Opportunities and Challenges 25th March 2008 at Ideal Institute of Technology, Ghaziabad.
14. Biogas Utilization and Prospectus as Renewable Energy, 25.5.2007 at ASEAN COST +3 New Energy Forums for Sustainable Environment, Kyoto University, Japan.

15. Providing Urban Amenities to Rural Areas, School of Mechanical Engineering, SASTRA University, Thanjavur (TN) 24th October 2008 at 3.30 pm Venue: Vishwakarma Joth Auditorium, SASTRA University.
16. Biogas and Cow for Rural Reconstruction – Making Goshalas Self Reliant, 28th December, 2008 Prashanti Kutiram, Swami Vivekanand Yoga Anusandhan Sansthan, Bangalore.
17. Biogas Status in India and Enrichment and Bottling Technology in Business Meet on “Identification and Removal of Barriers to Biomass Power Generation” Organized by Bhartiya Vidhya Peeth’s College of Engineering, New Delhi Date : 4th February, 2009.
18. Biogas Purification Technology, Workshop on “Demonstration of Integrated Technology Package on Medium Size Biogas Fertilizer Plant for Generation, Purification/Enrichment, Bottling and Piped Distribution of Biogas Towards Harnessing Near Total Potential of Suitable Biomass in Rural Areas” 11-12 Feb 2009 at Hotel Surya Palace, Vadodara, Organized by MNRE, GoI and GAIC Gujarat.
19. Development in Biogas in India and biogas Upgradation and Its Bottling for Vehicles, International Conference on Gaseous Fuels, 11-13 Feb 2009 at Hotel Marriot Resort, Goa Organized by Oil Industry Safety Directorate, Ministry of Petroleum, Govt. of India.
20. Methane to Market- Regional Workshop on Opportunity in Live Stock & Food Processing Industry Sector “ Biogas Enrichment and Bottling for Vehicular Use – A Case Study of Goshalas in Rajasthan” 3-4 March, 2009 Organized by TERI, New Delhi Sponsored by USEPA - 4th March 2009 at 11.30 am.
21. PoA CDM: A Tool for GHG mitigation by Renewable Energy Technologies in Rural Areas”. Biogas Enrichment and Bottling for Vehicular Use – A Case Study of Gaushalas in Rajasthan the Event is being Organized by Deloitte Touche Tohmatsu India Private Limited (DTTIPL) and Indian Institute of Technology-Delhi (IITD) on 20th March 2009, at Hotel Claridges, 12 Aurangzeb Road, New Delhi Sponsored by British High Commission.
22. Biogas Enrichment and Bottling Technology for Municipalities, National Seminar on Nisargruna Biogas Technology on 25th May 2009 organised by BMG, BARC Mumbai.
23. Renewable Energy – An Overview and Advancement in Biogas Technology, in STP on Environment Protection and Sustainable Development for Teachers of Engineering Colleges in North India at National Institute of Technical Teachers Training & Research, Chandigarh on 16.7.2009 at 11.00 am.
24. Biogas Utilization in India as Biofuels – Recent Development in Biogas Purification Technology For Vehicular Use, as Keynote Address on 25.7.2009 at 1.00 pm in National Workshop on Emerging Horizons in Biofuels Research and Applications 25-27 July 2009 Organized by RBS College, Agra at Hotel Marina, Agra.
25. Presented a paper in R’09 Twin World Congress (resource Management and Technology for material and Energy Efficiency) Davos, Switzerland 14-16, September 2009.
26. Integrating Algae Biofuel farm with biogas production , enrichment and bottling for vehicles and energy independence in rural areas, 2nd Algae Biofuel International Summit 2009, 8-10 Sept 2009 , 2.00 pm on 10.9.2008 at NAAS Complex, PUSA, Newdelhi organized by Grow diesel Consortium.
27. Biogas purification and bottling technology for vehicular application and rural energy security – invited lecture in International Congress on renewable Energy, 6-7 Oct 2009 at India Habitat Centre, 12.15 pm on 7.10.2009 organised by Solar Energy Society of India
28. Invited lecture on Biogas enrichment and bottling technology in the Business Meet on Biogas organized by MNRE on 8th Feb 2010.

29. Invited lecture on Biogas enrichment and bottling technology during agri site visit of delegates of Methane to Market Expo 2010 on 2nd March 2010 organised by United States EPA and Govt. of India
30. Invited lecture on Biogas enrichment and bottling Technology, 13.5.2010 – 11.30 – 1.00 pm and brain storming session in Development Alternative HQ at Vasant Kunj, New Delhi
31. Invited lecture on Biogas- A clean and fuel for cooking and improvement in indoor air quality, sanitation & health in rural areas, in National workshop on indoor air pollution and health, brainstorming for cleaner environment towards achieving MDG's organized by TERI on 11.8.2010.
32. Invited lecture in joint session of Swedish –Indian Biogas delegation visit in Sweden on 30 Aug 2010 on Biogas upgradation technology in India – present status and challenges at NRS, Helsingborg, Sweden
33. Invited lecture in Delhi International Renewable Energy Conference in one day workshop on Biomethanation – upscaling challenges and opportunities on 27th October, 1020 on Biogas purification and bottling at the goshalas (cattle farms) – case studies at Noida Expo and Mart organized by MNRE, GOI.
34. Invited lecture on Indian Renewable Energy scenario at Dept. of Biological and Environmental Sciences, University of Jyväskylä, Finland on Nov 23, 2010.
35. Invited lecture on Biogas production and utilization technologies in India, Ecotopia Science Institute, Nagoya University Japan on December 16, 2010.
36. Invited talk on Waste to Energy- Biomethanation route in the Indo- Finnish workshop on Bioenergy during 23-24 May 2016 at IIT Delhi, 24.5.2016 at 2.30 pm
37. Invited talk delivered on “Biogas – for self-reliance in energy and income generating activities for Goshalas (common Cattle shed)” in the program – one day seminar on Goshalas organized by Ministry of Environment and Forest, GoI at Vigyan Bhavan New Delhi, 16.5.2016
38. 23.2.2011 at 11.00 am invited lecture on Biogas production- Biotechnological Aspects ; Upgradation and bottling technology for use in vehicles developed at IIT Delhi in SYNAPSE, KARYON 2011 annual Technical Festival of Delhi Technological University
39. Invited lecture on 29.4.2011 at 12.15 pm on Efficient use of biowastes for biogas production, power generation and purification for vehicular applications, in National Conference on Efficient Energy Management in Urban & Rural Sector, 28-29, April 2011 at IIC, New Delhi organized by CDT Foundation
40. World Wide Webcast of invited Lectures by UNESCO for Energy for Sustainable Development in Asia” course for COMPETENCE project
41. “Good Practices (Policy, Technology Innovation and/or Public Participations) and Lessons Learned” on Renewable Energy – An Indian Case – 5.04.2011 at 8.30 to 10.30 am Indian time
42. Renewable energy Technologies: Benefits and challenges – Bio-energy – 15.3.2011 during 8.30 to 10.30 am Indian Standard Time
43. Lecture on 11.11.11 on Technologies for Sustainable development and Environment in Management development Programme on Rural Enterprises, 10-18 Nov 2011 by RuTAG, Mech Engg Dept, IIT Delhi
44. Invited lecture on Biomass Energy Technology- Issues and challenges in India, Seminar on Renewable Energy by IITD Alumni Association , 12.11.2011

45. UNESCO-ODA 3rd Workshop on Promotion of Energy Science Education for Sustainable development in Asia (Vietnam) 25 December 2011 – Lecture on renewable Energy Sources
46. Invited lecture on “ Entrepreneurship Development in Biogas Sector in India” in NATIONAL SEMINAR ON Entrepreneurship Development in Renewable Energy 12th MARCH 2012 , at 12.30 to 1.30 Bharati Vidyapeeth’s College of Engineering New Delhi
47. invited lecture on “ Biogas enrichment and bottling technology for vehicular application” April 26, 2012 at 4.00 pm in World Renewable Energy Technology Congress, 25-27 April 2012 at NDCC, New Delhi in Bio-energy Session, organized by Energy and Envnt Foundation, New Delhi
48. Wastes to wealth through biogas , Lecture in Refresher Course on 23.1.2013 on Geography and environment , by Academic Staff College, Jamia Milia University, Delhi
49. Biogas enrichment and bottling technology, Workshop on utilization of Biogas in Automotive industries, 28 Jan 2013 at BDTC, CRDT IIT Delhi
50. Organised a Workshop on valorization and Management of Biogas Slurry, 12-13 Feb 2013at BDTC, IIT Delhi
51. Lecture on Biogas production, utilization and slurry management in on valorization and Management of Biogas Slurry, 12-13 Feb 2013 at BDTC, CRDT, IIT Delhi
52. 15.4.2013 invited lecture “Biogas Technologies as Viable options for cooking, electricity generation, enrichment and bottling and biofertilizer” National Consultation on Appropriate Technology Options for Waste management through renewable energy production, Organised by Society for Action in Community Health ,at SPWD Vishnu Digambar Marg, New Delhi
53. 3.5.13 invited lecture on Biogas enrichment and bottling technology, in Brain Storming workshop on Rural Technologies Dissemination Strategies, organaised jointly by BDTC, RuTAG and KVIC Interface at IIT Delhi
54. 10.7.13 at 2.00 pm 3rd Working Group Meeting- Revision of the SWM Manual, invited lecture on Uses of Land Fill gas and developments so far in gas capturing, GIZ-CPHEEO , Ministry of Urban Development,GOI 9-10 July, 2013 Vigyan Bhavan Annexe, NewDelhi
55. Invited lecture on “ Biogas enrichment and bottling for vehicular application – Indian Prospects and potential” in VII WAC Universal Conference 2013 – save the planet earth & humanity by restoring balance in nature Dec 11-13, 2013 at India Habitat Centre, New Delhi organized by Aqua Foundation Session 5 time 11.30 on 12 Dec 2013
56. Compressed biogas (Bio CNG) – as a viable alternate to transport fuel and cooking, invited lecture in the closing ceremony of “Oil and Gas Conservation Fortnight-2014 Programme “ of Oil India Ltd , Corporate Office , Noida
57. Invited lecture by Prof V K Vijay on Biogas Technology, Planning and Implementation, in ITEC Training Program on “Renewable Energy and Energy Efficiency” Tentative Agenda (Feb 17 – Mar 7, 2014), organized by TERI New Delhi
58. Brainstorming Workshop on R&D on Biogas Technology on 24.3.2014 at MNRE New Delhi presented on Biogas R&D at IITD and possible future directions – Prof V K Vijay
59. Inaugural Address on Waste to Biogas : upgradation and bottling technology for energy security and clean India and our social responsibilities, in a National Seminar on “ Redifining : Virtues and Sins in 21st Century – Navdristi” organized by Gargi College, Delhi University on March 25, 2014.
60. Invited key note speech on “ Developments in Biogas Upgrading & Bottling for Transportation and cooking applications and their prospects in India, in - Ist International

Conference on Renewable Energy Gas Technology (REGATEC 2014) at Malmo Sweden 22-23 May 2014

61. Invited lecture on Developments in Biogas production, upgradation and bottling Technology on 28 May 2014 at Dept of Process and Energy Engineering, TU Delft, The Netherlands
62. Invite lecture in R&D Conclave on New and Renewable Energy at Vigyan Bhavan New Delhi on 5 August, 2014 on projects “Biogas production, purification and bottling and its vehicular application as well as on mobile unit” Delivered an invited lecture” Prospects of biogas for waste management in India and commercialisation through biogas upgradation” in Advance Approaches for bio-waste and waste water treatment, 9-10 December, 2014 organised by TERI and Embassy of Italy
63. Delivered an invited lecture on IIT Delhi Biogas technology in Indo- Finish Workshop on “ Inclusive & frugal Innovation” on 10 December, 2014 at IIT Delhi organised by FITT, IIT Delhi
64. Invited lecture on “ Biogas based distributed power supply – a sustainable option for Rural areas”- by V K Vijay on 23 December, 2014 in National workshop on Distributed generation including smart micro grids- issues, challenges & advancements during Dec 22-23, 2014 at Central Board of Irrigation and Power , New Delhi
65. Discussion on Biogas and improved cook stove technology with Shri Deepak Gupta , Chairman UPSC in his office on 23.12.2014 at 4.00 pm
66. Invited to deliver a talk on biogas in Shri Krishanan Gosahala, Bawana for farmers of nearby 10 villages on 14 January, 2014
67. Invited Lecture in Dept of BioEnergy, Tamil Nadu Agricultural University, Coimbatore on Wastes to Biogas to Enrichment and bottling for Energy Security in India on 28 Jan 2015 at 12.30 pm
68. Invited Speaker in Hello Tomorrow Challenge 2015 Kick off at 11.00 am at the embassy of France, New Delhi on entrepreneurship opportunities on biogas related technology
69. Invited Lecture in International Conference on Sustainable Fuels on Developments in Biogas upgradation and bottling for vehicular Application in India on 2nd Feb, 2015 at Hotel Taj Palace New Delhi organized by TERI and sponsored by Tata Motors
70. Invited lecture on Role of Biogas in Climate Change mitigation in National Workshop on Green Energy for mitigating Climate change in India and Livelihood- on 4.3.2015 at Hotel Crown Plaza, Rohini, New Delhi organized by World Vision (India).
71. Invited lecture in the Anil Agarwal Dialogue of CSE on Solutions on the table: Energy access using cookstove and biogas Day II - March 12, 2015 (9:30 AM to 1:00 PM) Chair: Dr S B Agnihotri, former Secretary MNRE, 9:30 to 10.00 Experience of biogas technology in India.
72. Presented an invited paper “Decentralized biogas enrichment and bottling technology for cooking and vehicular application in India for energy security” in International Conference – Progress in Biomethane Mobility at Schwabisch Hall, Germany during Oct 27-28, 2015
73. Brain Storming Workshop with Subject Group Coordinators of Unnat Bharat Abhiyan at IIT Delhi during Nov 13-14, 2015
74. Invited lecture Solid Waste management –an Opportunity for Energy Security and Clean India in Swachh Bharat Abhiyan in Swachh Bharat Mission Exposure Workshop conducted by National Institute of Urban Affairs on Behalf of Ministry of Urban development under Swachh Bharat Mission on 2 May, 2016 at USI New Delhi.
75. Organized a plenary session on Biogas Production, power generation and purification for transport fuel in India on 6th January, 2016 in Indian Science Congress, Mysore

76. Chaired Brainstorming session for preparation of “ National Biogas Mission” for MNRE organized at BDTC, IIT Delhi on 15.01.2016 during 4.00-7.00 pm
77. Invited lecture “concept of smart village and Unnat Bharat Abhiyan ” in International Conference on Smart Cities in IIT Delhi and EU-India FI-MEDIA Projects at 10.00 am on 22 January, 2015
78. Delivered an invited lecture in Christ University Bangalore on Biogas Potential and Prospects in India on 7th January, 2016 for University Students
79. Invited lecture on 1-4-2016 “ Biogas Production from Organic waste for Industrial Application “ in National Conclave on R&D for Energy Sustainability organized by NTPC Energy Technology Research Alliance during March31- April1, 2016
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82. 24.5.2016 at 2.30 pm Invited talk on Waste to Energy- Biomethanation route in the Indo-Finnish workshop on Bioenergy during 23-24 May2016 at IIT Delhi
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86. 23.5.2016 Invited talk in Brainstorming session - A consultative meet on “Mainstreaming Bio gas production and utilization in India” organized by Chairman – Working group on Bio fuels, MoPNG, Govt of India
87. 24.5.2016 at 2.30 pm Invited talk on Waste to Energy- Biomethanation route in the Indo-Finnish workshop on Bioenergy during 23-24 May2016 at IIT Delhi