

**Technical Papers authored by Dr. (Mrs) Malti Goel  
(1971- 2016)**

# **BOOKS**

## **Authored by Dr (Mrs) Malti Goel**

1. **Malti Goel**                                **2005**        *Energy Sources And Global Warming*, Allied Publishers Pvt. Ltd., New Delhi, pp492, 2005, ISBN 81-7764-844-6.
2. **Malti Goel** and H.N. Shrivastava        **2006**        *Meteorology And Environment Education In Schools*, Proceedings of the NCR-PROBE Workshop, New Delhi, pp101.
3. **Malti Goel** and Alok Kumar                **2007**        *Carbon Capture And Storage Technology: R&D Initiatives in India*, DST New Delhi, pp 165.
4. H.N. Shrivastava and **Malti Goel**                **2007**        *U-Probe For Weather And Climate*, DST New Delhi, pp211.
5. **Malti Goel**, B. Kumar and S, Nirmal Charan        **2008**        *Carbon Capture And Storage R&D Technologies for Sustainable Future*, , Narosa Publishing House Ltd., Pp242, ISBN 978-81-7319-944-8
6. S.Z. Qasim and **Malti Goel**                **2010**        *CO<sub>2</sub> Sequestration Technology For Clean Energy*, by Daya Publishing House, pp 205, ISBN No. 81-7035-660-1
7. **Malti Goel** and Neha Tripathi                **2011**        *ABC of Green Buildings Responsible Education, Climate Change Research Society*, ISBN 978 81-022686-0-6
8. **Malti Goel**                                        **2012**        *Urja Avem Carbon Dioxide; 21vi Shatabdi ki Chunotiyani (Hindi)*, **National Book Trust, Nehru Bal Pustakalaya, 2012.**
9. **Malti Goel**, M. Sudhakar, R.V. Shahi                **2015**        *Carbon Capture, Storage & Utilization: a possible climate change solution for energy Industry*, **TERI Press**, New Delhi ISBN 9788179935682
10. **Malti Goel**                                        **2015**        *The Story of Helium*. **National Book Trust**, ISBN 978812373360
11. **Malti Goel**                                        **2017**        *CARBON UTILIZATION – APPLICATIONS FOR THE ENERGY INDUSTRY*, Springer Singapore, Green Energy and Technology Series, ISBN 978-981-10-3351-3

**RESEARCH PAPERS PUBLISHED– Dr. Malti Goel**  
**(1971-2016)**

<u>Sr. No.</u>	<u>Author Name</u>	<u>Year</u>	<u>Title &amp; Publication</u>
1.	PKC Pella & <b>Malti Goel</b>	<b>1971</b>	Depolarization Current Characteristics of Naphthalene Photoelectrets, <i>J. Electrochem. Soc.: Solid State Science</i> 118, p 359-364.
2.	P.K.C Pillai and <b>Malti Goel</b>	<b>1971</b>	Photoelectrets and their Applications, <i>Physical Status Solidi</i> , (a), 6, p 9-28.
3.	PKC Pillai & <b>Malti Goel</b>	<b>1971</b>	Effect of Alternating Field on Photoelectret Formation in Anthracene - <i>Ind. J. Pure &amp; Appl. Phys.</i> ,9, p444-449.
4.	PKC Pillai & <b>Malti Goel</b>	<b>1972</b>	Investigations of Photoelectret Polarization in Pyrene, <i>Electrochim. Acta</i> , 17, p 1839-1847.
5.	PKC Pillai & <b>Malti Goel</b>	<b>1972</b>	Effect of Temperature on Photoelectret Characteristics of Organic Materials, <i>Phy. Lett. A (Netherlands)</i> . 42 -A(2) November, p 149-50.
6.	PKC Pillai & <b>Malti Goel</b>	<b>1973</b>	Investigation of Photoelectret effect in $\beta$ -Carotene, <i>Ind. J. Pure &amp; Appl Phys.</i> , 11, p 44-48
7.	PKC Pillai & <b>Malti Goel</b>	<b>1973</b>	Charge Formation Characteristics of Epoxy Resin Electrets, <i>J. Electrochem. Soc.</i> , 120, p 395-398.
8.	PKC Pillai & <b>Malti Goel</b>	<b>1973</b>	Surface Charge and Infrared Absorption Characteristics of Polythylene Terephthalate Electrets, <i>J. Appl. Phys.</i> ,44, p 3821-24.
9.	PKC Pillai & <b>Malti Goel</b>	<b>1975</b>	Persistent Polarization Studies in a Carotenoid compound $\beta$ -Carotene, <i>Polymer</i> , 16, p 5-8.
10.	<b>Malti Goel</b> , P.Vishwanath, P. Vasudevan	<b>1978</b>	Thermal Depolarization Effect in a Phenolic Resin, <i>Polymer</i> , 19, p 905-907.
11.	PKC Pillai & <b>Malti Goel</b>	<b>1979</b>	Evidence for Electret Polarisation in Poly-oxymethylene <i>J.Macromol. Sci, Phys</i> , B, 16, p 397-406.
12.	PKC Pillai, A.K. Gupta & <b>Malti Goel</b>	<b>1980</b>	Electrothermographic Behaviour of Some Corona Charged Polymer films, <i>Polymer</i> , 22, p 356-67.

13. P.K.C. Pillai, A.K. Gupta & **Malti Goel**      **1980**      Effect of Doping on Electrothermographic behavior of Polystyrene, *Phot. Sci. & Engg.* 24 (4), 201-205.
14. PKC Pillai, A.K. Gupta & **Malti Goel**,      **1980**      Study of Surface Potential Characteristics of Corona Charged Ethyl cellulose layers for its Relevance in Electro thermography, *Die. Macromo. Chemie.*, 181, p 951-956.
15. P.K.C. Pillai, B.K. Gupta & **Malti Goel**      **1981**      Polarization Studies by the TSC Technique on a Blend of Cellulose Acetate and Polyvinyl Acetate, *J.POLY.SCI.- POLY.PHYS.*,19, p 1461-70.
16. **Malti Goel**, V.B. Gupta & P.K.C Pillai      **1982**      Thermally Stimulated Current Characteristics of Polypropylene with and without glass fibre, *Polymer Bulletin*, 7, p 103-106.
17. **Malti Goel**      **1988**      Optoelectronics, an Informatics Future, *Impact of Science On Society*, No. 154, 1988, p151-162. (Published by UNESCO in four languages)
18. **Malti Goel**      **1988**      The Role of Department of Science & Technology in Physics *R&D*, *Physics News*, September, p80-85.
19. V.B. Gupta & **Malti Goel**      **1988**      A Comparative Evaluation of the enhanced stiffness of Polypropylene by uniaxial drawing and by incorporating short glass fibres, *J. Mat. Sci. Lett.* 7 p 1339-1341.
20. **Malti Goel** and H N Shrivastva      **1989**      MONTBLEX, *VayumandaL*, 19, p 1-8.
21. V.B. Gupta, R K Mittal & **Malti Goel**      **1990**      Energy Absorbing Mechanisms in Short Glass Fiber Reinforced Polypropylene, *Composite Science And Technology*, 37, p 353-369
22. **Malti Goel** and H N Srivastava      **1990**      Monsoon Trough Boundary Layer Experiment (MONTBLEX), *Bulletin American Meteorological Society*, (USA), 71, No.11, p 1584-1600.
23. **Malti Goel** and H N Srivastva      **1990**      Acoustic Sounding of Atmospheric Boundary Layer, *Acoustic Remote Sensing*, ed. Dr. S. P Singhal, Tata McGraw-Hill Publishing Company Ltd., p. 407- 412.
24. **Malti Goel**      **1990**      Superconductivity Research: A Critical Path to Technology, *World Science News*, January, p26-28.
25. **Malti Goel**      **1991**      The Atmosphere, New Technology and Coping with Disasters, *World Science News*, 30 January - February 6 p 13-15.

26. **Malti Goel** and H. N. Srivastava      **1991**      Lidar Viewing of the Atmosphere, *Indian J. Phys.* 64B p. 329-345.
27. **Malti Goel**      **1992**      Potential of Radio Acoustic Sounding System in India, *J. Acoustic Soc. Of India*, 19, No.1, p1-15.
28. **Malti Goel**      **1993**      The Greenhouse Effect – Implications for Materials Research, *Science & Culture*, 59, no.1&2, 5-8.
29. **Malti Goel**      **1993**      MONTBLEX and Monsoon Dynamics: Early Results, *Vayumandal*, July - December, p 45-51.
30. **Malti Goel**      **1994**      A Report of the Workshop on MONTBLEX Research Results, *Current Science*, vol. 65, no. 12, p 897- 899, 25 December.
31. **Malti Goel**      **1995**      Clean Coal Technologies: Programmes and Initiatives of Tifac, *Tide*, 4(3), September, p285-288.
32. **Malti Goel** & Y. Ramanathan      **1995**      Study of A Rain Episode in the Desert Region of the Summer Monsoon Trough, *Atmospheric Environment*, U.S.A. 29, No.16, p 2191-2198.
33. **Malti Goel**      **1995**      Indian Innovation & Management of Technology, *Curie, BITS Pilani*, April Issue, 1-5.
34. Y.S. Rajan, **Malti Goel** and S. Wadhwa      **1995**      Technology Forecast and Higher Education, *J. Higher Education*, 18, p 449-468.
35. R.K. Sachdev and **Malti Goel**      **1996**      A Critical Evaluation of Clean Coal Industry as a Source of Energy, *Sustainable Energy Supply*, Ed. P. Chaturvedi, The Institution of Engineers India, Concept Publishing House, pp 152-160.
36. **Malti Goel**      **1996**      University Science Education: Who Funds?, *Current Science*, 68, No.7, p 677-80.
37. S.V. Kailas & **Malti Goel**      **1996**      Planning MONTBLEX - An Overview, *Proc. Indian Academy of Science (Earth & Planetary Sciences)* 105, No.3, pp 209-225.
38. **Malti Goel**      **1997**      Information System for Reassessing Science Education in Colleges, *University News*, 35, No 2,p 8-11.
39. **Malti Goel** and S.P.Singhal,      **1997**      Radio Acoustic Sounding System for Studying the Lower Atmosphere, in *Acoustic Remote Sensing Applications*, Ed. S.P. Singhal, Narosa Publishing House.

40. **Malti Goel**                      **1997**      Reduction of greenhouse gas pollution in non-ferrous metal industry: Indian Perspective, *Environment And Waste Management*, Ed. A. Bandopadhaya, N.G.Goswami and P.R.Rao, pp 79-86.
41. V.K.Varun & **Malti Goel**                      **1997**      GREENTIE: An Overview, *Information Today And Tommorrow*, 15, Oct-Dec.
42. Sudersh V Kailas and **Malti Goel**                      **1996**      Planning MONTBLEX - An Overview, *Monsoon trough Boundary Layer Experiment*, Eds. R. Narasimha, D.R. Sikka, A. Prabhu, Published by Indian Academy of Science, Bangalore, pp 33-54.
43. H.N.Srivastava and **Malti Goel**                      **1998**      Synthesis of Meteorological Observations and Modeling Studies to Assess Climate Change Mitigation Strategies over India, *Current Science*, 75, pp 95-97.
44. **Malti Goel**                      **1998**      Aspects of Vehicular Pollution Monitoring in Delhi with special Reference to NOx measurements, *MAPAN*, Ed. K.K.Mahajan, A.K. Aggrawal, R.S.Singh and P.C. Jain, Vol.XII, no.2-4, July-Oct. p36-39.
45. **Malti Goel**                      **1998**      Women in Science & Technology in India, University News (Special Issue), 36(6), p 9-13. Reprinted by *YOJNA*, Planning Commission, NewDelhi p 15-18.
46. U. Arora, G.P. Singh, **Malti Goel** & P.K. Chaudhury                      **1999**      Mathematical Model for Automobile Emitted Pollutant Gases, *Vayu Mandal*, p 207-209.
47. **Malti Goel**                      **2002**      Energy Policy of India, *Energy Policy*, 27, p121-122.
48. H.N.Shrivastav & **Malti Goel**                      **2002**      Geothermal Energy Utilization: The Indian Scenario, *Invention Intelligence*, March-April, p 52-61.
49. **Malti Goel**                      **2003**      Symposium on Electrets, *Current Science*, Vol 83, No.12, Dec. 2002, 1437-38.
50. **Malti Goel\***                      **2003**      Electret sensors, filters and MEMS devices: new challenges in material research, *Current Science*, 85, pp 443-453.
51. **Malti Goel** & Seema Sharma                      **2004**      Electroceramics Research in India, *International Journal Of Electroceramics*, USA, 12, 2004, p 176-179.

52. **Malti Goel**                    **2004**    Recent developments in electroceramics: MEMS applications for energy and environment, *Ceramics International, USA*, 30, (7), 1147-54.
53. **Malti Goel**                    **2004**    Promotion of Science & Technology in the Indian Minerals Industry, *Mineral Resources And Development*, Ed, G.S.Roonwal, K. Shahriar and H.Ranjbar, NAM S&T Centre, Daya Publishing House, pp61-72.
54. **Malti Goel**                    **2004**    Women in Science & Technology, *Access And Equity In Higher Education, Association Of Indian Universities*, Eds. Rita Verma & Rishi Dev Anand, AIU House, Mohan Printing Press, New Delhi, pp67-78.
55. **Malti Goel**                    **2004**    Promoting Technology Development through Inter- sectoral partnership: Government support policies and the role of DST, *Asia Pacific Techmonitor*: July-August 2004, p32-38.
56. **Malti Goel**                    **2005**    Aerosols – Threat or Boon? A Policy Dilemma in the Context of Global Warming, *IASTA Bulletin*, Vol. 17, No. 1 &2, p 571, December 2005.
57. **Malti Goel**                    **2005**    Climate Change and Hydro-sustainability – Issues & Perspectives, *Hydrological Perspectives for Sustainable Development*, Eds M. Perumal et. al, Allied Publishers Private ltd., 536-45.
58. **Malti Goel**                    **2005**    The Role of Science & Technology in Environmental Resource Management, *ARPAN*, Vol 4, (no. 1-2), p2-11.
59. **Malti Goel, S.S. Gahlot, D.Goel**                    **2006**    U-PROBE: Blending Of Mountain Meteorology And Information Technology For Schools In Uttranchal, in *Mountain Technology Agenda: Status, Gaps And Possibilities*, Ed. A.P. Joshi, S. K Aggrawal, R. Kumar, Bishen Singh Mahendra Pal Singh, Dehradun, pp323-27, 2006.
60. **Malti Goel**                    **2006**    Environment Education in Schools: An Innovative Experiment U-PROBE, *ARPAN*, Vol 5, (no1-2), p7-18.
61. **Malti Goel**                    **2006**    The Importance of R&D and Market based mechanisms for technology management in Steel Industry, *JPC Bulletin on Iron & Steel*, Vol. VI, February 2006, 7-14.

62. G. Jayaraman, Sunita & **Malti Goel**      **2007**      Seasonal Variation and Dependence on Meteorological Conditions of Roadside Suspended particles / Pollutants in Delhi, *Environment Science : An Indian Journal*, 2007.
63. **Malti Goel**      **2007**      Meteorological Observation System in Himalayan Region under U-PROBE for Education and Climate Change Mitigation Strategies, *Jalvgyan Sameeksha, December Special Issues*, 22, 79-92.
64. **Malti Goel**      **2007**      On Helium Assay, Conservation and Earth Processes. Macmillan Advance Research Series On *Geo Chemical Precursors For Earthquakes*, Ed P.Sen and N.Das, p.144-149.
65. **Malti Goel**      **2007**      Carbon Capture and Storage Technology for a Sustainable Future, *Current Science*, Vol. 92, No. 9, 1201.
66. B. Kumar, Nirmal Charan, **Malti Goel**      **2007**      International workshop on R&D challenges in carbon capture and storage technology for sustainable energy future, *Journal of the Geological Society of India* 70 (1), pp. 174-175.
67. **Malti Goel**      **2008**      Carbon Capture and Storage, Energy Future and Sustainable Development: Indian Perspective, in *Carbon Capture And Storage R&D Technologies for Sustainable Energy Future*, Eds. Malti Goel, B. Kumar & S. N. Charan, p3-14.
68. **Malti Goel**      **2008**      Recent Developments In Technology Management For Reduction of CO<sub>2</sub> Emissions In Metal Industry In India, *CO<sub>2</sub> Reduction Metallurgy*, JOM , p71-82, Feb. 2008, Edited: Neale R. Neelameggham & Ramana G. Reddy, The Minerals, metals & materials Society (TMS 2008).
69. **Malti Goel**, S.N. Charan, A.K. Bhandari      **2008**      CO<sub>2</sub> Sequestration: Recent Indian Research, Glimpses of Geoscience Research in India, *The Indian Report to IUGS 2004-2008*, Eds. A K Singhvi, A Bhattacharya and S. Guha, *INSA Platinum Jubilee publication*, pp 56-60, 2008.
70. **Malti Goel**      **2008**      Technology Management through Joint Technology Projects, *Innovation & Technology Management*, Macmillan Advance Research Series, Eds. S. P. Mukherjee, H.S. Ray, H.S. Maiti, pp 123-129.



71. **Malti Goel**                      **2008**      Climate Change, Polar regions and CO<sub>2</sub> Sequestration, *Indian Journal on Polar Sciences*, Ed. S. Z. Qasim, Vol. 1, pp17-21.
72. **Malti Goel**                      **2009**      Recent Developments in Carbon Dioxide Capture Materials and Processes in Energy Industry, *Energy Technology Perspectives: Conservation, Carbon Dioxide Reduction And Production From Alternate Sources*, Eds, N. R. Neelameggham, R.G. Reddy, C. K. Belt and E.E. Vidal, pp 53-62.
73. **Malti Goel**                      **2009**      Climate Change, Carbon Capture and Storage Technologies and Carbon Trading, in *Carbon Capture, Sequestration & Trading*, Eds. B. Das, S. K. Ghosh, S.K. Banerjee, H. S. Ray and S.P. Mukherjee, IAPQR, Kolkata, pp1-20.
74. **Malti Goel**                      **2009**      Recent approaches in CO<sub>2</sub> fixation research in India and Future Perspective towards zero emission coal based power generation, *Current Science*, Vol. 97, pp1625-1633.
75. **Malti Goel**                      **2010**      Strategic Approaches for CO<sub>2</sub> Reduction Rate from Fossil Fuel use in Steel Industry, in *Energy Technology 2010: Conservation, Greenhouse Gas Reduction and Management, Alternate Energy Sources*, Eds. N.R. Neelameggham, R.G. Reddy, Cynthia K Belt, Ann M Hagni, Subodh Das, TMS Publication, USA, pp171-178.
76. **Malti Goel**                      **2010**      Perspectives In CO<sub>2</sub> Sequestration Technology And An Awareness Programme, in *CO<sub>2</sub> Sequestration Technologies and Clean Energy*, Eds. S.Z. Qasim, Malti Goel, Daya Publishing House, pp 23-39.
77. **Malti Goel**                      **2010**      Awareness and Capacity Building Programme on Carbon Capture and Storage, *Current Science*, 98, 606-607.
78. **Malti Goel**                      **2010**      Man and Environment: Past and Present, J. of *ARPAN*, vol. 8, pp 6-9.
79. **Malti Goel**                      **2010**      Carbon Capture and Storage: Science and Focus For Mitigation of Climate Change, *IAEE Energy Forum*, Second Quarter, p 37-40.
80. **Malti Goel**                      **2010**      Clean Coal Technology: A Policy Option For Energy Security, *Energy India 2020, A shape of things to come in Indian Energy Sector*, Saket Publications, 132-138.

81. **Malti Goel**                    **2010**    Carbon Capture and Storage Technology for Sustainable Energy, in *Paths to Sustainable Energy*, Eds J. Nathwani and Artie W. Ng INTECH Open Access publishers, p. 468-482.
82. **Malti Goel**                    **2010**    Implementing Clean Coal Technology in India: Barriers and Prospects, *India Infrastructural Repor 2010t, Infrastructure Development in a Low Carbon Economy*, 3iNetwork, Oxford University Press, p. 208-221.
83. **Malti Goel**                    **2010**    Technologies for Carbon Dioxide Sequestration, in *Climate Change: The Human Aspect*, Ed Krishen Sehgal, Kalpaz Publications, ISBN 978 81 7835 832 1, pp71-90.
84. **Malti Goel**                    **2010**    Convergence of Energy Issues in National water policy, *Jour. Coast. Env*, Vol 1, no..2, p 115-126.
85. **Malti Goel**                    **2010**    Carbon Dioxide Capture Materials, IIM News letter. Indian Institute of Metals Delhi Chapter vol xxxviii, pp5-8, issue 38.
86. **Malti Goel**                    **2011**    Greenhouse Gas Emission Reduction From Aluminum Industry In India, Challenges & Prospects, *Energy Technology 2011: Carbon Dioxide and Other Greenhouse Gas Reduction Metallurgy and Waste Heat Recovery*, Eds N.R. Neelameggham, Cynthia K Belt, M Jolly, R.G. Reddy, J.A. Yorko, Wiley and TMS Publication, pp 219-230.
87. **Malti Goel**                    **2011**    Sustainable energy agenda for steel industry', *Minerals & Metals Review*, vol xxxvii, March 2011, pp-16 -20
88. **Malti Goel**                    **2011**    Socio-Environmental Issues of Nuclear Power: Japan Calamity, *J of ARPAN*, Vol-8, no.1 &2.
89. **Malti Goel**                    **2011**    Improving Energy Efficiency in Industries: Focus on Aluminum, *Total Energy*, India Energy Forum, Vol 5, issue 11.
90. **Malti Goel & Vandana Maurya**                    **2011**    Black Carbon in Air: Issues & Concern, *Journal of Air Pollution Control*, Vol. XI, no.1, p 1-19.
91. **Malti Goel**                    **2011**    Air Pollution from Oil Spills: a new threat to climate change, *Jour. Coast. Env*, Vol 2, no..2, p 117-128.
92. **Malti Goel**                    **2011**    Can CO<sub>2</sub> Sequestration Provide Enhanced Clean Coal Energy? *CPSI Journal*, p 141-144,
93. **Malti Goel**                    **2011**    Sustainable Energy Agenda for Steel Industry, *Minerals And Metals Review*, vol XXXVII, 2011.

94. **Malti Goel**                      **2012**      Sustainable Energy through Carbon Capture And Storage: Role Of Geo-Modeling Studies, in *Energy & Environment, Special Issue on Carbon Capture and Storage*, Multi-science Publishing co. UK. Vol. 23, p.299-317, 2012.
95. **Malti Goel & Vandana Maurya**                      **2012**      Air pollution and climate change policy hotspots for India. **Indian Journal of Air Pollution Control**, Vol. XII, No. 1, March 2012, p1-13.
96. **Malti Goel**                      **2012**      *Climate Change, Clean Energy Development, Durban and Beyond*. Governance Knowledge Centre. Department of Administrative Reforms and Public Grievances. Government of India.
97. **Malti Goel & Prachi Das**                      **2012**      [http://indiagovernance.gov.in/files/clean\\_energy\\_dr\\_goel\\_clean\\_2.pdf](http://indiagovernance.gov.in/files/clean_energy_dr_goel_clean_2.pdf)  
Reducing Emissions from Deforestation and Forest Degradation (REDD): A UNFCCC Mechanism. INDIAN JOURNAL OF AIR POLLUTION CONTROL, Vol. XII, No. 2, September 2012, p9-17.
98. **Malti Goel**                      **2013**      Working Paper on How Can We Harness Climate Change Mitigation Potential of REDD+ in India?
99. **Malti Goel, V. Maurya & Pranav N. Desai**                      **2013**      R&D Indicators and Mapping of Solar Energy Research Output in India. JOURNAL OF SCIENTOMETRIC RESEARCH, Vol. 2, Issue 1, p49-55.
100. Carlos Mezaa, C. Lib, L. Koodlurc, **Malti Goel**, M. Khujamberdierve,, T. Mumtaz                      **2013**      Energy Policy for Landlocked Countries, International Science Diplomacy Workshop on “Innovative Energy Policies for Sustainable Development”, Trieste, Italy
101. **Malti Goel**                      **2015**      Carbon Capture, Storage, and Utilization – An Appraisal of Current Situation in Coal-based Economies, in *Carbon Capture, Storage & Utilization*, Eds M.Goel, M. Sudhakar, R.V. Shahi, Teri Press, New Delhi
102. **Malti Goel**                      **2015**      Climate Change, Technology and Energy Sustainability, YOJANA, Vol. 59,, p29-36, December 2015
103. **Malti Goel**                      **2016**      Awareness and Capacity Building in Carbon Capture and Utilization CURRENT SCIENCE, VOL. 110, NO. 3, 10 Feb 2016
104. **Malti Goel**                      **2016**      Reducing the Carbon Burden, SCIENCE REPORTER, Vol 53, No.10, p30-32, October 2016
105. **Mati Goel**                      **2016**      Solar rooftop in India: Policies, challenges and outlook, GREEN ENERGY & ENVIRONMENT 1, 129-137.

**PAPERS IN VOLUMES OF INTERNATIONAL AND NATIONAL SEMINARS**

1.	PKC Pillai & <b>Malti Goel</b>	<b>1972</b>	Investigations of Thermo-photoelectret effect in Aromatic Hydrocarbons Proc. 142nd National Meeting, <i>The Electrochemical Soc. Miami Beach, Florida, Conf. Proc. 133, p 338-40.</i>
2.	<b>Malti Goel</b>	<b>1972</b>	Investigations of Photoelectret Effect in Aromatic Hydrocarbons, <i>Proc. Indo - Soviet Conference held at IISc Bangalore, December 11-16.</i>
3.	Sudha, <b>Malti Goel</b> And S K Guha	<b>1978</b>	Inactivation of Spermatozoa by Electric Currents, Proc. Int. Symposium & Workshop on Biomedical Engineering, <i>Digest Isubme'78, New Delhi 15-22 February, p 70-71.</i>
4.	<b>Malti Goel</b> , A R Ray S K Guha and PKC Pillai	<b>1978</b>	Thermally Stimulated Current Studies in a Biopolymer, <i>Digest Isubme'78, New Delhi 15-22 February, p 92-93.</i>
5.	PKC Pillai, <b>Malti Goel</b> , Sudha and S K Guha	<b>1978</b>	In-Vitro Studies of Spermatozoa on the Surface of Graded field Electrets, <i>Proc. 7th Canadian Medical &amp; Biological Engineering Conference, Canada, 13-16 August, p 177.</i>
6.	<b>Malti Goel</b> S. Meera & PKC Pillai	<b>1978</b>	Study of Transport Properties of a Polarised Membrane, <i>Int. Workshop on Electrically Charged Dielectrics, Japan, Oct. 9-12.</i>
7.	PKC Pillai & <b>Malti Goel</b>	<b>1979</b>	Infrared Charging and Discharging Effect in Polyethylene Oxide, <i>Sym. on Industrial Polymers and Radiation, Ahmedabad, February.</i>
8.	PKC Pillai, A K Gupta and <b>Malti Goel</b>	<b>1980</b>	Electrothermographic Characteristics of Styrene Butadiene Acronitrile Terpolymer, <i>8th All India Symposium on Optics, IIT Delhi, March 21-24, p 31-32.</i>
9.	<b>Malti Goel</b>	<b>1980</b>	Material Aspects of Electret Polarization Phenomena, <i>VII International Course on New Crystallographic Perspectives In Materials Science, Sicily, April 8-22.</i>
10.	PKC Pillai, A.K. Gupta & <b>Malti Goel</b>	<b>1980</b>	Effect of Humidity and Temperature on Surface Potential Decay Characteristics, <i>IAS- IAEE Conference, USA, October 1-5.</i>
11.	<b>Malti Goel</b> & PKC Pillai	<b>1980</b>	Effect of Additives on Thermally Stimulated Depolarisation Current on PVC Electrets, <i>Third International Symposium on PVC, Ohio USA.</i>

12.	<b>Malti Goel</b>	<b>1985</b>	Some Electrical Studies in Drawn Polypropylene and Comparison of data with Glass Fiber Filled Polypropylene, <i>5th International Symposium on Electrets (ISE5), held at Heidelberg, W Germany, September 5-9.</i>
13.	<b>Malti Goel</b>	<b>1987</b>	Physics of Fracture in Glass Polypropylene Composite Materials, <i>UNESCO Conference on Physics of Materials Science, Kualalampur, June.</i>
14.	<b>Malti Goel</b>	<b>1988</b>	Some Studies on Glass Fiber Reinforced Polymer Composites, - <i>Proc. Sixth International Symposium on Electrets, ISE 6, 1-3, p 414 - 418.</i>
15.	<b>Malti Goel</b>	<b>1989</b>	Indian Programme of TOGA (TOGA-I), <i>Proc. First Symposium of Indian Society for Physical Sciences of Oceans, NIO Goa, December 3-5.</i>
16.	<b>Malti Goel</b> and H.N. Shrivastav	<b>1990</b>	Synthesis of Meteorological and Oceanographic Observations for TOGA-INDIA Modelling Programme, <i>International TOGA Scientific Conference, Geneva, July 16-20.</i>
17.	<b>Malti Goel</b>	<b>1990</b>	Radio Acoustic Remote Sensing of Temperature – A Possibility under MONTBLEX, , <i>Proc. Int. Symp. On Remote Sensing of Atmospheric Environment, NPL, N. Delhi, 24-26 Oct p 293-94.</i>
18.	<b>Malti Goel, S. P. Singal</b> and B.S. Gera	<b>1991</b>	A Field Study under MONTBLEX and observed Sodar Echo Patterns in the Boundary Layer, <i>Proc. of Second Symposium on Tropospheric Profiling: Needs and Technologies, September 9-13, Boulder, USA.</i>
19.	<b>Malti Goel</b>	<b>1991</b>	Feasibility of Radio Acoustic Sounding System for measuring crucial Atmospheric Parameters, <i>Brain Storming Session on Atmospheric Technology &amp; Instrumentation, September 21-22, Calcutta University.</i>
20.	<b>Malti Goel</b>	<b>1991</b>	Potential of Radio Acoustic Sounding System in India, <i>Invited Paper in the National Symposium on Engineering Application of Acoustics, October 30-31, November 1, at NPL, New Delhi.</i>
21.	<b>Malti Goel</b>	<b>1991</b>	All India Coordinated Programme on MONTBLEX, <i>Department of Meteorology and Oceanography, Andhra University, Visakhapatnam, December 7.</i>
22.	<b>Malti Goel</b>	<b>1992</b>	MONTBLEX - An Overview and Future Plans, <i>Proc. Workshop on Preliminary Scientific Results of Montblex Programme, January 16-17, IISc, Bangalore.</i>
23.	<b>Malti Goel</b> and Y. Ramanathan	<b>1992</b>	Study of Land Surface Processes in desert region of Jodhpur, <i>Pre-planning Meeting on Study of Land Surface Processes, February 25-26, IITM, Pune.</i>
24.	<b>Malti Goel</b>	<b>1992</b>	Some Aspects of Boundary Layer Processes in Monitoring Climate Change in Indian Monsoon Region, <i>Proc. 5th International Meeting on Statistical Climatology, June 22-26, Tronoto, Canada.</i>

25.	<b>Malti Goel</b>	<b>1992</b>	LIDAR Studies of Dust Clouds and Monsoon, Proc. <i>Fourth Annual Conference of Indian Aerosol Science &amp; Technology Association, Ahmedabad.</i>
26.	<b>Malti Goel</b> and H.N. Srivastava	<b>1992</b>	Indian Programme of Tropical Ocean Global Atmosphere, <i>Physical Processes in the Indian Seas, Proc. 1st Convention ISPSO</i> , p 211-13.
27.	<b>Malti Goel</b> , VB Gupta and RK Mittal	<b>1992</b>	Micro-mechanical Interpretation of the work of rapture of short fibre reinforced thermoplastics in a tensile test, <i>Proc. 8th International Meeting of Polymer Processing Society</i> , New Delhi, p 311-12.
28.	<b>Malti Goel</b>	<b>1992</b>	A study of Mechanical Modulus of Polypropylene with and without Glass Fibres, <i>Proc. 2nd International Symposium on Composite Materials and Structures</i> , Beijing, China, Aug. 3-7.
29.	<b>Malti Goel</b>	<b>1992</b>	Country Report on Global Warming in the Seminar on <i>Global Warming in Asia Pacific Region</i> , held in Tokyo, Japan.
30.	<b>Malti Goel</b>	<b>1993</b>	The Study of a Rain Episode in the Desert Region of Indian Summer Monsoon Trough, <i>International Conference on Sustainable Development Strategies and Global/Regional/Local on Atmospheric Composition and Climate</i> , IIT Delhi, p 186-189.
31.	<b>Malti Goel</b>	<b>1994</b>	Perspectives in Coal Utilization with Suitable Options for Reducing Emissions, <i>Proc. Seminar on Clean Coal Technology</i> , IICT Hyderabad, 15-16 April.
32.	<b>Malti Goel</b>	<b>1994</b>	Manpower Planning for Technology, <i>28th International Training Programme on Manpower Planning, Institute of Applied Manpower Research (IAMR)</i> , 5 <sup>th</sup> Sept. – 28 <sup>th</sup> Oct.
33.	<b>Malti Goel</b>	<b>1994</b>	Acoustic Sounding Work in India and its potential in Environment Impact assessment, <i>Invited Paper in 7<sup>th</sup> International Symposium on Acoustic Remote Sensing and Associated Techniques of the Atmosphere and Oceans</i> , Boulder USA.
34.	<b>Malti Goel</b>	<b>1994</b>	Boundary Layer specifications using MONTBLEX data for predicting monsoon variability, accepted in the <i>scientific programme of the TOGA/WGNE Monsoon Numerical Experimentation Group- International Conference on Monsoon Variability and Prediction</i> , ICTP, Trieste, Italy.
35.	<b>Malti Goel</b>	<b>1995</b>	Promotion of Science & Technology in Colleges, <i>Orientation Programme in Education Planning and Administration For Principals of Colleges at NEIPA</i> , 16 January - 3 February.
36.	<b>Malti Goel</b>	<b>1995</b>	Emission Control technologies and their relevance to Indian Petroleum energy scenario, <i>National Workshop on Environmental Problems, Strategies for Pollution Control and Workable Solutions for Oil Industry</i> , ONGC, Dehradun, March 3-4.

37.	Y.S. Rajan and <b>Malti Goel</b>	<b>1995</b>	Some Initiatives in India on Energy Environment Linkages Seminar on Environment In The Third World: <i>Critical Challenges, organized by Third World Studies, Jamia Milia Islamia, New Delhi, 8-9 March.</i>
38.	Y S Rajan and <b>Malti Goel</b>	<b>1995</b>	Science & Technology Education in 21st Century: Far and Immediate Goals, <i>NEIPA Workshop on Planning of Higher Education For 21st Century: Role of Management, March 24-25.</i>
39.	<b>Malti Goel</b>	<b>1995</b>	Greenhouse Gas Emissions and Technology Development, <i>Inter-Sectoral Workshop on Control Technologies for Greenhouse gas emissions, CII Headquarters, June 8.</i>
40.	<b>Malti Goel</b>	<b>1996</b>	S &T Development in India and Science Education in Colleges, <i>Orientation Programme in Education Planning &amp; Administration for Principals of Colleges at NEIPA, 22 Jan - 9 Feb.</i>
41.	<b>Malti Goel</b>	<b>1996</b>	Manpower Planning For Technology: Initiatives in India, <i>Proc. of World Congress of Engineering Educators &amp; Industry Leaders, UNESCO H.Q, Paris, July 2-5, p 429-34, (Vol III).</i>
42.	R.K. Sachdev & <b>Malti Goel</b>	<b>1996</b>	A Critical Evaluation of Clean Coal Industry as a Source of Energy in India, <i>Sustainable Energy Supply, Proc. International Conference on Energy - Asia Energy Vision 2020, IMC-World Energy Council, November15-17.</i>
43.	<b>Malti Goel</b>	<b>1996</b>	Energy Technology and Socio-Economic development: DST Programmes and Activities, <i>Sustainable Energy Supply Options, IMC – World Energy Council Publication. p17.</i>
44.	<b>Malti Goel</b>	<b>1997</b>	Prospects for Women in Science & Technology in India, <b>Key Note Address</b> at the Seminar on <i>Women Participation in Science, Technology &amp; Management Education</i> , Rohilkhand University, Bareilly.
45.	<b>Malti Goel</b>	<b>1997</b>	Aspects of Vehicular Pollution Monitoring in Delhi with special Reference to NO <sub>x</sub> measurements, <i>Conference on Meteorology in Relation to Environment, NPL New Delhi, March 12-14.</i>
46.	<b>Malti Goel</b>	<b>1997</b>	Greenhouse Gas Emission Impact and Control Strategies, <i>Orientation Course on Energy &amp; Environment at Centre for Professional Development in Higher Education, Univ. of Delhi, 26th July.</i>
47.	G.P. Singh and <b>Malti Goel</b>	<b>1998</b>	A Case Study of Temporal Variation in the Concentration of Carbon Mono-oxide in South Delhi, <i>Proc. of UHVS Conference on Environment Pollution, p 246-255.</i>
48.	<b>Malti Goel</b>	<b>1999</b>	Interpretation of Charge Storage in drawn Polypropylene and Glass fibre Reinforced Composite from TSDC and Mechanical data, <i>Proc. 10th International Symposium on Electrets, (ISE-10), Athens, Greece, p 537-40.</i>
49.	<b>Malti Goel, T.C. Goel</b>	<b>1999</b>	Future Trends of Electret Applications in Energy and Environment, <i>Proc. 10th International Symposium on Electrets, (ISE-10), Athens, Greece, p 763-766.</i>

50.	<b>Malti Goel</b>	<b>2000</b>	Science Education, Orientation Programme in Education Planning & Administration for <i>Principals of Colleges at NEIPA</i> , 3rd and 21st February.
51.	<b>Malti Goel</b>	<b>2000</b>	R&D Perspectives in Coal as Fertilizers Resource, Seminar on <i>Use of Coal as Feedstock in The Fertilizer Sector</i> , organized by Department of Fertilizers, 7th July, Nagpur.
52.	<b>Malti Goel</b>	<b>2002</b>	Ocean Water: Can we Extract Hydrocarbon Energy from it? <i>SIOS Seminar On Non-Living Resources from Indian Ocean</i> , Teen Murti House.
53.	<b>Malti Goel</b>	<b>2002</b>	Techno-economic Evaluation of Wind Power, Joint Indo-German Workshop on Wind Energy Utilization in India, <i>ASSOCHAM</i> , 3rd February.
54.	<b>Malti Goel</b>	<b>2002</b>	E-Transformation Prospects in Indian Energy Sector: Some DST Initiatives, <i>National Conference on Advances in Contemporary Physics and Energy</i> , Feb. 8-10, IIT Delhi.
55.	<b>Malti Goel</b>	<b>2002</b>	Prospects of e-transformation in Indian Energy Sector and the Role of Application Service Providers, <i>25th IAEE International Conf.: Innovation and Maturity in Energy Markets: Experiences and Prospects</i> , June 2002, held in Aberdeen, U.K.
56.	<b>Malti Goel</b>	<b>2002</b>	Recent Approaches in electret research in India and study of polarization in new advanced materials, <i>Proc. 11<sup>th</sup> International Symposium on Electrets (ISE-11)</i> , Melbourne, Australia, Oct. 1-4.
57.	<b>Malti Goel</b>	<b>2002</b>	An Integrated view of applications of electrets in energy and health sectors, <i>Proc. 11<sup>th</sup> International Symposium on Electrets (ISE-11)</i> , Melbourne, Australia, Oct. 1-4.
58.	<b>Malti Goel</b>	<b>2003</b>	S & T and Youth, Orientation Program on <i>Educational Planning and Management for College Principals</i> , 20 Jan -7th Feb. 2003 at NIEPA, New Delhi.
59.	<b>Malti Goel</b>	<b>2003</b>	Promotion of R&D in Food Processing Sector: Recent Initiatives, Silver Jubilee Foundation Day and Seminar cum Workshop on <i>Consumer Perception on Quality Assurance in Oil, Food &amp; Aqua Products</i> , Organized by Ganesh Scientific Research Foundation, New Delhi, Feb. 20-21.
60.	<b>Malti Goel</b>	<b>2003</b>	Policy Issues In Sectoral Applications Of Materials, <b>Key Note Address</b> , <i>All India Seminar on Self Sufficiency in Materials and Machining MATMACH-2003</i> organized by The Institution of Engineers (India), Delhi State Center on March 21-22.
61.	<b>Malti Goel</b>	<b>2003</b>	Pre-combustion CO <sub>2</sub> Sequestration Technology: Indian Perspectives in <i>National Workshop on Carbon Sequestration-Issues &amp; Technologies</i> , on 5 <sup>th</sup> December NTPC R&D center, NOIDA.



62.	<b>Malti Goel</b>	<b>2003</b>	Recent developments in Electro ceramics: MEMS applications for energy and environment, Session Chair & Invited Paper in 3rd International Conference on Materials & Advanced Technologies, <i>ICMAT-2003 &amp; AMC-3, NTU, Singapore, 5-12 December, 2003.</i>
63.	<b>Malti Goel</b>	<b>2003</b>	Sea Surface Temperature Scientific and Technological Programmes in Indian Ocean, <i>SIOS Seminar on Scientific &amp; Navigational Aspects of Indian Ocean, Teen Murti House, New Delhi.</i>
64.	<b>Malti Goel</b>	<b>2004</b>	University Inter-Linkages With Industry: Role of DST, Orientation Program on <i>Educational Planning and Management for College Principals</i> , (6th Jan, 2004) from 22 December 2003 to 9th January 2004 at <i>NIEPA, New Delhi.</i>
65.	<b>Malti Goel</b>	<b>2004</b>	Studies On Vehicular Pollution And Future Perspectives, Discussion Meeting on Urban Air Quality Management With Respect to Suspended Particulate Matter, <i>DST- JICA workshop on 5th March, 2004</i> at India Habitat Center, New Delhi.
66.	<b>Malti Goel</b>	<b>2004</b>	Environment Resource Management: DST programmes and perspectives, NSE-13, Proc. Thirteenth National Symposium on Environment, <i>Mining of Energy Resources -Environmental Management, Department of Atomic Energy, NEHU, Shillong, June 5-7, p 28-32.</i>
67.	<b>Malti Goel</b>	<b>2004</b>	Promotion of Science and Technology in Indian Mineral Industry, <i>International Workshop on Mineral Resources and Development, Organized by NAM S&amp;T Center, July 1-4, Kerman, Iran.</i>
68.	<b>Malti Goel</b>	<b>2004</b>	Constituents of Atmosphere Including Greenhouse Gases, Masters Training Workshop on PROBE Project in Uttaranchal, Vol-I, July 5-16, <i>Centre for Atmospheric Sciences, Indian Institute of Technology Delhi, New Delhi, July 8, Proceedings Vol I, p 59-71.</i>
69.	<b>Malti Goel</b>	<b>2004</b>	Ecosystem and Environmental Resource Management: Current Trends, <i>National Workshop on Environmental Sustainability and Pollution control, Vastu Kala Academy, School of Architecture, 10 July, New Delhi.</i>
70.	<b>Malti Goel</b>	<b>2004</b>	The Impact of Technology on Mineral Resources Development and Conservation, in <b>Special Lecture Series, NISTADS Tuesday Lecture (256), 7th Dec, 2004.</b>
71.	<b>Malti Goel</b>	<b>2005</b>	Clean Coal Technology as Policy Option for Energy Security, <b>Keynote Address</b> , Global coal 2005, International Seminar On Coal Science & Technology <i>Emerging Trends</i> , Organized by CFRI and CMRI Dhanbad, New Delhi, April12-13, 2005.
72.	<b>Malti Goel</b>	<b>2005</b>	Anatomy of Clean Coal Technology: A Relook In 21 <sup>st</sup> Century, <i>Proc. Academic Forum in GLOBAL IIT2005, May 20-22, 2005, Washington DC, USA.</i>

73.	<b>Malti Goel</b>	<b>2005</b>	Smart Energy Operations: Perspectives for Sustainable Development in India, <i>28th Annual IAEE International Conference</i> , Taipei, June 3-6.
74.	<b>Malti Goel</b>	<b>2005</b>	Technology Policy And Energy R&D: Hydrogen Context, <i>ERM WORKSHOP ON 24 JUNE 2005</i> , New Delhi.
75.	<b>Malti Goel</b>	<b>2005</b>	U-PROBE: An Initiative of DST in Physics Education, International Conference on Physics Education ICPE 2005, <i>World View on Physics Education in 2005</i> , New Delhi, 21-26 Aug. 2005.
76.	<b>Malti Goel</b>	<b>2005</b>	U-PROBE and Constituents of Atmosphere Including Greenhouse Gases, Second Masters Training Workshop on PROBE Project in Uttaranchal, on September 13, 2005, <i>Centre for Atmospheric Sciences</i> , Indian Institute of Technology Delhi, New Delhi, September 5-17 2005.
77.	<b>Malti Goel</b>	<b>2005</b>	Photoelectret Media for Atmospheric Nanosensors, Proceedings ISE 12, <i>12th International Symposium on Electrets</i> , Eds. J.A. Giacometti, O.N. Oliveira R.M Faria, 11-14 September 2005, Salvador, Bahia-Brazil, p435-37.
78.	<b>Malti Goel</b>	<b>2006</b>	Mapping of Green Energy Sources and Sustainable Electricity Generation, <i>Map India 2006</i> , New Delhi 30Jan- 1st Feb., 2006.
79.	<b>Malti Goel</b>	<b>2006</b>	CO <sub>2</sub> Sequestration Research in India Indo-Australia Technical Workshop, New Delhi, Feb2, 2006.
80.	<b>Malti Goel</b>	<b>2006</b>	Short Term Opportunities and Challenges for CCS in fossil fuel sector: current status of CCS in India, Invited Speaker in UNFCC 24th Session of SBSTA Workshop on <i>Carbon Capture and Storage</i> , 20th Mar 2006, Bonn, Germany.
81.	<b>Malti Goel</b>	<b>2006</b>	Technology Management through Inter-sectoral Partnership, <i>Proceedings Of International Conference On Innovation &amp; Technology Management (ICITM)</i> , 3-5February, 2006 CGCRI, Kolkata.
82.	<b>Malti Goel</b>	<b>2006</b>	CO <sub>2</sub> Sequestration: Technology Perspectives for Climate Change Solutions in India, <i>8th International Conference on Greenhouse Gas Technology (GHGT-8)</i> , June 19-22, 2006, Trondheim, Norway.
83.	<b>Malti Goel</b>	<b>2006</b>	Key Issues In CO <sub>2</sub> Sequestration Research And Technology, <i>Inter-Sectoral CO<sub>2</sub> Sequestration Technology Interaction Meet</i> , New Delhi, March 23, 2006.

84.	<b>Malti Goel</b>	<b>2006</b>	Recent Trends In Weather Related Research: DST Programmes & Initiatives, <i>11th Refresher Course In Environmental Science</i> at JNU, New Delhi, 14th March 2006, New Delhi.
85.	<b>Malti Goel</b>	<b>2006</b>	Rural Energy Generation For Sustainable Development: Role of Biofuels and Integrated Perspectives, <i>Seminar On Rural Energy Security</i> , M. S. Swaminathan Research Foundation, Chennai, 29th July 2006.
86.	<b>Malti Goel</b>	<b>2006</b>	On Helium Assay, Conservation and Earth Processes, <i>International Brainstorming Session on Geochemical Precursors for Earthquakes</i> , September 11-13, 2006, SINP, Kolkata.
87.	<b>Malti Goel</b>	<b>2006</b>	Are we prepared for Clean Coal Technology Development?, <i>International Coal Congress And Expo 2006</i> , December 12-13, New Delhi.
88.	Susheela Negi & <b>Malti Goel</b>	<b>2006</b>	Agriculture and Water Management: The need of the hour, <i>Proc. National Conference On Energy Alternatives For Rural Sector</i> , New Delhi, p 52-55.
89.	<b>Malti Goel</b>	<b>2007</b>	CCS, Energy Future and Sustainable Development in <i>International Workshop On R&amp;D Challenges In Carbon Capture And Storage For Sustainable Energy Future</i> , Jan 12-13, 2007, Hyderabad.
90.	<b>Malti Goel</b>	<b>2007</b>	Barriers to Deployment of Clean Coal Technologies: Key Issues and Perspectives, <i>6th Annual Carbon Sequestration And Storage Conference</i> , Pittsburgh, May 7-10, 2007.
91.	<b>Malti Goel</b>	<b>2007</b>	Overview of CCS Research in India: Science and Technology Perspectives in <i>Round Table On Carbon Capture And Storage Role In energy Policy And Climate Change Control: A New European Approach</i> in Italy on 6th November 2007.
92.	<b>Malti Goel</b>	<b>2007</b>	Overview of CCS Research in India: Inter-Sectoral Perspectives in Science and Technology in Carbon Capture and Storage: International Progress and Future Prospects, <i>The Royal Society and The Royal Academy of Engineering</i> , UK on 7th November 2007.
93.	<b>Malti Goel</b>	<b>2007</b>	Development of Aluminum: Science & Technology Roadmap, <i>Plenary Session I, Proc of the 5th International Conference on Aluminum, INCAL 07</i> at Hyderabad Convention Center on 21-23 Nov., 453-470.

94.	<b>Malti Goel</b>	<b>2008</b>	Technologies for CO <sub>2</sub> Sequestration and Their Relevance to India and South East Asia, <i>Seminar On Climate Change In India And South East Asia</i> , February 16, Teen Murti House, New Delhi.
95.	<b>Malti Goel</b>	<b>2008</b>	Thrust Areas in R&D for Zero Emission Coal Based Generation, <i>Energy Technology Conclave 2008</i> in March 13-14, Delhi.
96.	<b>Malti Goel</b>	<b>2008</b>	Recent Studies on Greenhouse gas pollution: Human Health and Future Challenges, National Conference on <i>Climate Change And Impact On Health</i> , IDC Foundation, May 22-23, , India International Center, New Delhi.
97.	<b>Malti Goel</b>	<b>2008</b>	Low-Carbon Energy Sector Approach in India, <i>Round Table in CO<sub>2</sub> Summit</i> , UK, June 11-13(2008).
98.	<b>Malti Goel</b>	<b>2008</b>	R&D Challenges in Coping with Global Warming- Thermal Power Generation, <b>4th Energy Synergy Dialogue</b> , India Member Committee -World Energy Council Lecture Series, NTPC, August 5.
99.	<b>Malti Goel</b>	<b>2008</b>	Climate Change, Carbon Capture & Storage Technologies and Carbon Trading, in <i>the National Seminar on Carbon Capture Sequestration and Trading</i> (CCST-2008), IAPQR & MIEEM, Kolkata 12-13 Sept. 2008.
100.	<b>Malti Goel</b>	<b>2008</b>	Carbon Dioxide Reduction Processes: Perspectives in Metal Industry, in <i>the Int. Conf. on Towards Global Leadership In Materials And Minerals</i> , IIM New Delhi, November 13-14, 2008, India Expo Center, G. Noida.
101.	<b>Malti Goel</b>	<b>2008</b>	Climate Change Challenge in Coal Sector, INDIA ENERGY CONGRESS, <i>World Energy Council – India Member Committee (WEC-IMC)</i> , 20 <sup>th</sup> October 2008.
102.	<b>Malti Goel</b>	<b>2009</b>	Perspectives in Carbon Capture and Storage in Coal Sector, <i>Energy And Climate Change Summit</i> , Irade, February 3-4, 2009, New Delhi.
103.	<b>Malti Goel</b>	<b>2009</b>	Greenhouse Gases, Global Warming and Mitigation Of Climate Crisis, <i>In Seminar on Global Warming: Challenges &amp; Mitigation</i> , Center for Environment Studies, March 20, 2009.

104.	<b>Malti Goel</b>	<b>2009</b>	Carbon Dioxide Reduction Technologies in Industry, in <i>International Technical Seminar On Energy Sector And Sustainable Development</i> , JICA Alumni Association of India, 31st January 2009, New Delhi.
105.	<b>Malti Goel</b>	<b>2009</b>	Emerging Environment Themes and Merging Technologies: Indian Perspectives, In Knowledge-Sharing Program Using Good Asian Practices In Innovation And Development, <i>NAM S&amp;T Workshop for ADB- RETA</i> , 17-18 April, 2009, New Delhi.
106.	<b>Malti Goel</b>	<b>2009</b>	Women and Science & Technology in Capacity Building Of Women Managers In Higher Education, <i>Sensitivity/ Awareness and Motivation Workshop at CCE</i> , IIT Roorkee, 18-22 May 2009.
107.	<b>Malti Goel</b>	<b>2009</b>	Man and Environment: Past and Present, Seminar On Environment And Environment Issues – <i>Envissue-09</i> , by Association of Resource Persons Aid in Need (ARPAN) at Kurushetra University, Kurushetra, 7 <sup>th</sup> June 2009.
108.	<b>Malti Goel</b>	<b>2009</b>	Global Challenges in Carbon Capture Research towards a Sustainable Future, <i>Global Convention On Climate Security</i> , World Congress on Environment Management 12-14 June, 2009 at Palampur. HP.
109.	<b>Malti Goel</b>	<b>2009</b>	Exploring Opportunities of Carbon Fixation in Coal-based Generation for the Future of Sustainable Energy, <i>Carbon Showcase Asia</i> , July 21-23, New Delhi.
110.	<b>Malti Goel</b>	<b>2009</b>	Weather, Climate and Probe, Teachers' <i>Training Workshop On Weather Kits</i> , Bal Bhawan, New Delhi, 21 <sup>st</sup> October 2009.
111.	<b>Malti Goel</b>	<b>2009</b>	Wind Power Development: India and Global, <i>9<sup>th</sup> Green Energy Summit, India Energy Forum</i> , New Delhi, October 29 <sup>th</sup> .
112.	<b>Malti Goel &amp; V.S. Verma</b>	<b>2009</b>	A Preliminary Feasibility Study of Partnerships in Oxy fuel Combustion Research on High Ash Coal, <i>1st Oxyfuel Combustion Conference</i> , Cottbus, Germany 8th-11th September 2009.
113.	<b>Malti Goel</b>	<b>2010</b>	Material Challenges in CO <sub>2</sub> Separation Technologies in the 2 <sup>nd</sup> Indo-Norwegian Seminar on ' <i>Advances in Separation Technologies</i> ', as part of Golden Jubilee Celebrations at Indian Institute of Petroleum, Dehradun, 7 <sup>th</sup> and 8 <sup>th</sup> Jan 2010, jointly organized with SINTEF, Norway.

114.	<b>Multi Goel</b>	<b>2010</b>	Carbon Capture and Storage: Is it Green Technology for Power Generation?, in the <i>National Seminar on Energy Synergy through Coal</i> , organized by World Confederation of Productivity Science, New Delhi, Feb 4-5.
115.	<b>Multi Goel</b>	<b>2010</b>	A Framework for CO <sub>2</sub> Reduction: Perspectives for Energy Security in India, in the Symposium on ' <i>Combating Global Emissions; Urgent Need for New Strategy in the Asia Pacific Rim</i> ' American Association for Advancement of Science (AAAS) Conference, USA February 18-22, 2010, San Diego, USA.
116.	<b>Multi Goel</b>	<b>2010</b>	Information Technology in Environment Education, <b>Key Note Address</b> in the <i>Use of IT &amp; New Media in Science Education</i> , by World Development Foundation, New Delhi, March 17-18.
117.	<b>Multi Goel</b>	<b>2010</b>	Climate Change and Arctic Ecosystem in the <i>Workshop on Arctic Ecosystem and its Implications for India</i> , by COES under the Chairmanship of Prof. S.Z Qasim, New Delhi, March 27.
118.	<b>Multi Goel</b>	<b>2010</b>	Challenge of Acceptability, <i>Energy Challenges for a Sustainable Future, India Energy Congress 2010, WEC IMC, New Delhi, April 6-7.</i>
119.	<b>Multi Goel</b>	<b>2010</b>	Global Challenges in Carbon Capture Research towards a Sustainable Future, <i>Global Convention On Climate Security, Institute of Directors</i> , June 12-14 Palampur. HP.
120.	<b>Multi Goel</b>	<b>2010</b>	Renewable Energy for Sustainable Development in India and China, in <i>Asia-Africa Development Research Centre of State Council of the PRC, India Energy Forum China Mission</i> , Beijing, China on July 26 -30.
121.	<b>Multi Goel</b>	<b>2010</b>	Inclusive and Dynamic Role of Coal in the Climate Change Context, 3 <sup>rd</sup> India Coal Summit 2010, <i>The Challenge of Black Fuel and Greener Growth, Indian Chamber of Commerce</i> , 30 <sup>th</sup> November, New Delhi.
122.	<b>Multi Goel</b>	<b>2010</b>	Clean and Green Energy: R&D Challenges and Strategies, 10 <sup>th</sup> <i>Green Energy Summit, India Energy Forum</i> , December 15.
123.	<b>Multi Goel</b>	<b>2010</b>	Climate Change And Disaster Management, <i>INSPIRE Programme, Department of Science &amp; Technology</i> , at Gandhigram Rural Institute, Madurai, December 27-31.

124.	<b>Malti Goel</b>	<b>2011</b>	Clean Development Mechanism: Facts and Future, <i>International Technical Seminar, JICA Alumni Association of India</i> , New Delhi, January 29.
125.	<b>Malti Goel</b>	<b>2011</b>	Sustainable Energy And Growth Of Indian Metal Industry. in <i>Minerals, Metals, Metallurgy &amp; Materials International Conference &amp; Exhibition</i> , Feb 11-14, New Delhi.
126.	<b>Malti Goel</b>	<b>2011</b>	Is ECBM a Potential Energy Resource from CO2 Sequestration?, in <i>World Petro Coal Congress 2011</i> , New Delhi Feb 14-15.
127.	<b>Malti Goel</b>	<b>2011</b>	Greenhouse Gas Emission Reduction From Aluminum Industry In India: Challenges & Prospects in <i>TMS2011: 140th Annual Meeting and Exhibition</i> , San Diego, Feb 27- March 3.
128.	<b>Malti Goel</b>	<b>2011</b>	Pollution, Climate Change and Control, <b>Special Lecture</b> , Jamia Hamdard University, New Delhi.
129.	<b>Malti Goel</b>	<b>2011</b>	Materials for Thermal Comfort and Energy Efficiency in a Green Building, National Seminar on Integrated Design Concepts of Green building in Public Works, CPWD Training Institute, Ghaziabad, 28-29 April.
130.	<b>Malti Goel</b>	<b>2011</b>	Studies on Air Pollution resulting from oil spills, Chaired a Technical session in COES Seminar on Oil spills and coastal Pollution, New Delhi, 6-7 <sup>th</sup> May.
131.	<b>Malti Goel</b>	<b>2011</b>	Climate Change, Materials and Green Buildings, <i>Green Building and GRIHA Rating System, Indian Building Congress</i> , New Delhi, June 16-17.
132.	<b>Malti Goel</b>	<b>2011</b>	Sustainable Development Through Carbon Capture and Storage: Role of Geo-Modeling Studies, <i>NTPC Workshop On Carbon Capture And Storage</i> , 27 <sup>th</sup> September.
133.	<b>Malti Goel</b>	<b>2011</b>	Innovative Models: Growth of Academia Industry Interface, <i>ICORE – 2011</i> , Tezpur University, Tezpur, 2-4 November.
134.	<b>Malti Goel</b>	<b>2011</b>	Carbon management: Green Challenges for North east Region, <i>ICC Conference on Climate Change and the Energy Challenge: A Pragmatic Approach for India</i> : 28-29 November 2011, New Delhi.

135.	<b>Malti Goel</b>	<b>2011</b>	CO2 Reduction Technology: Indian steel Industry in GiZ Workshop, presented on <i>Steel Industry in India: Potentials and Technology for Reduction of CO2 Emissions</i> , New Delhi 7.12.11
136.	<b>Malti Goel</b>	<b>2012</b>	CO2 Sequestration, Carbon Trading and Women Empowerment, <i>Plenary Session on Energy Sustainability for a Greener Tomorrow</i> , Indian Science Congress 2012, January 3-7, KIIT, Bhubneswar, 3-7 January.
137.	<b>Malti Goel</b>	<b>2012</b>	Climate Responsive CO2 Management From Clean Coal Technology, <i>International Conference On "Climate Change And Co2 Management: Mitigation, Separation And Utilization"</i> , Anna University, Chennai, Feb 2-3.
138.	<b>Malti Goel</b>	<b>2012</b>	Physics of Climate Change and CO2 Sequestration, <i>INSPIRE</i> at SRTM University, <b>Nanded</b> , 27-31 <sup>th</sup> March 2012.
139.	<b>Malti Goel</b>	<b>2012</b>	<i>CII Clean Coal Summit 2012</i> , October 4, 2012, presented Long Term Strategy to Advance Carbon Dioxide Capture, Utilization and Sequestration Technologies for Sustainable Energy.
140.	<b>Malti Goel</b>	<b>2012</b>	<i>International Conference on India's Clean Coal Future</i> , TERI, November 1, 2012 presented Clean Coal Technology: What have we Gained?
141.	<b>Malti Goel</b>	<b>2012</b>	<i>WORLD CTL 2012 INDIA SUMMIT</i> , New Delhi, December 11-12, presented lecture on Carbon Capture, Utilization and Storage: An Indian Perspective.
142.	<b>Malti Goel</b>	<b>2013</b>	ACBCCS 2013, Climate Change Research Society, Jan 15-19, presented Carbon Capture, Utilization and Storage: Current Status and Future Challenges.
143.	<b>Malti Goel</b>	<b>2013</b>	<i>3<sup>rd</sup> WORLD PETRO-COAL CONGRESS</i> – 2013, Feb 16-17, 2013, presented keynote address on Developments in Coal-Gas Technologies in India and Challenge of Capturing Carbon Dioxide.
144.	<b>Malti Goel</b>	<b>2013</b>	Energy, CO <sub>2</sub> and Mitigating Climate Change Crisis, <i>INSPIRE</i> at Dewan VS Institute of Engineering & Technology, Meerut, 25-30 April.



145.	<b>Malti Goel</b>	<b>2013</b>	International Symposium on Technology, Jobs and a Lower Carbon Future: Methods, Substance and Ideas for the Internal Economy, 13-14, June, 2013 by Institute of Human Development, DFID, <i>Discussant</i> : Greenhouse gases and the Rice supply chain.
146.	<b>Malti Goel</b>	<b>2013</b>	Energy and Science of Climate Change, INSPIRE at HR Group of Institutions, Ghaziabad, 22-26 June.
147.	<b>Malti Goel</b>	<b>2013</b>	Energy, CO <sub>2</sub> and Mitigating Climate Change Crisis, INSPIRE in Chandigarh Group of Colleges, Chandigarh, 1 <sup>st</sup> October, 2013
148.	<b>Malti Goel</b>	<b>2013</b>	Innovative Policies in Renewable Energy sector in India, TWAS International Science Diplomacy Workshop on “Innovative Energy Policies for Sustainable Development”, Trieste, Italy, 8-13 December 2013.
149.	<b>Malti Goel</b>	<b>2014</b>	Energy and Climate Change Opportunities, INSPIRE at Chandigarh Group of Colleges, 27 <sup>th</sup> Jan 2014
150.	<b>Malti Goel</b>	<b>2014</b>	Global Warming and Climate Change, G. D. GOYENKA WORLD SCHOOL, GURGAON, 29 <sup>TH</sup> January, 2014
151.	<b>Malti Goel</b>	<b>2014</b>	Clean Energy R&D in India, Integrated Energy Systems and Environmental Protection, CDT Foundation, 6 <sup>th</sup> February, 2014 at IIC Annex, New Delhi
152.	<b>Malti Goel</b>	<b>2014</b>	CHALLENGES AND OPPORTUNITIES FOR Women in Science & Technology in India, IETE Women’s Day Celebrations: Seminar, March 8, 2014
153.	<b>Malti Goel</b>	<b>2015</b>	Capacity Building in CO <sub>2</sub> Sequestration Science & Technology, <b>International World Clean Coal Conference</b> , 6 Feb. 2015
154.	<b>Malti Goel,</b>	<b>2015</b>	CO <sub>2</sub> Sequestration: A Fresh Outlook, Environment and Climate Change Lecture Series, IIC New Delhi, 5 <sup>th</sup> June 2015
155.	<b>Malti Goel</b>	<b>2015</b>	‘Innovative Solar Policies in India for Sustainable Development’. <b>Green Technology for Sustainable Development (2015 Green Tech)</b> , CAS-TWAS Symposium, Institute of Process Engineering, Beijing July 22-24, 2015.

156.	<b>Malti Goel,</b>	<b>2015</b>	Environmental Issues & Challenges in Coal Based Power Sector, <b>Important Challenges in Power Sector</b> , IIITM Gwalior, 24-25 November 2015
157.	<b>Malti Goel</b>	<b>2016</b>	Towards Sustainable Growth: Made in India vs Make in India, <b>Sustainable Growth Exploration, ICC 2<sup>nd</sup> Non Ferro India Summit, 5<sup>th</sup> Jan. 2016</b>
158.	<b>Malti Goel</b>	<b>2016</b>	Projected Strategies and Regulations to Address Current Environment Challenges, <b>Keynote Address</b> , MITS Gwalior, March 08, 2016 – Women Day Celebrations
159.	<b>Malti Goel</b>	<b>2016</b>	Catalyzing Transformation in Steel Industry towards CCS Enabling Technology, <b>Tata Steel</b> , Jamshedpur, February 18, 2016
160.	<b>Malti Goel</b>	<b>2016</b>	Clean Coal Technology and CCU: What have we Achieved? <b>Indian National Academy of Engineering</b> , DST-INAE Discussion Meeting, 10 <sup>th</sup> June, 2016.
161.	<b>Malti Goel</b>	<b>2016</b>	Innovative Solar Policies in India for Sustainable Development'. <b>Green Chemistry and Engineering for Sustainable Development (GCE 2016)</b> , CAS-TWAS Symposium, Institute of Process Engineering, Beijing July 22-24, 2015.
162.	<b>Malti Goel</b>	<b>2017</b>	Utilization of Growing Carbon Dioxide Waste from Coal Based Industry into Chemicals in <b>World Clean Coal Conference</b> , January 18-19, 2017, New Delhi, India
163.	<b>Malti Goel</b>	<b>2017</b>	CARBON UTILIZATION- A Policy Dilemma or an Emerging Technological Challenge, <b>Keynote Address</b> in National Seminar on <b>Carbon Capture and Utilization Technology Organized by Indian Institute of Chemical Engineers, Kolkata</b> on February 24-25, 2017
164.	<b>Malti Goel</b>	<b>2017</b>	<i>Chaired Technical Session on CO<sub>2</sub> Capture Technology Development and Applications (Session in Development and Application of Low Emission Coal Technologies for the Indian Scenario Anna University, Chennai, India, 11 &amp; 12 April 2017</i>