



## Malti Goel

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Electrets  
Energy  
Environment  
Monsoon  
CO2 sequestration

	All	Since 2019
Citations	868	327
h-index	12	7
i10-index	17	4

2 articles

3 articles

not available

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Based on funding mandates

TITLE	CITED BY	YEAR
<a href="#">Solar rooftop in India: Policies, challenges and outlook</a> M Goel Green Energy & Environment 1 (2), 129-137	152	2016
<a href="#">Electret sensors, filters and MEMS devices: New challenges in materials research</a> M Goel Current science 85 (4), 443-453	120	2003
<a href="#">Monsoon trough boundary layer experiment (MONTBLEX)</a> M Goel, HN Srivastava Bulletin of the American Meteorological Society 71 (11), 1594-1600	61	1990
<a href="#">Recent developments in electroceramics: MEMS applications for energy and environment</a> M Goel Ceramics international 30 (7), 1147-1154	49	2004
<a href="#">Energy absorbing mechanisms in short-glass-fibre-reinforced polypropylene</a> VB Gupta, RK Mittal, M Goel Composites science and technology 37 (4), 353-369	47	1990
<a href="#">Photoelectrets and their applications</a> PKC Pillai, M Goel physica status solidi (a) 6 (1), 9-27	44	1971
<a href="#">Polarization studies by the TSC technique on a blend of cellulose acetate and polyvinyl acetate</a> PKC Pillai, BK Gupta, M Goel Journal of Polymer Science: Polymer Physics Edition 19 (9), 1461-1470	42	1981
<a href="#">Carbon capture, storage and utilization: A possible climate change solution for energy industry</a> M Goel, M Sudhakar, RV Shahi CRC Press	36	2019
<a href="#">Energy sources and global warming</a> M Goel Allied Publishers	27	2005
<a href="#">Recent approaches in CO<sub>2</sub> fixation research in India and future perspectives towards zero emission coal based power generation</a> M Goel Current Science, 1625-1633	12	2009
<a href="#">Seasonal variation and dependence on meteorological condition of roadside suspended particles/pollutants at Delhi</a> G Jayaraman, S Kumari, M Goel Environmental Science 2 (2), 130-138	12	2007
<a href="#">Thermal depolarization effect in phenolic resin</a> M Goel, PS Viswanathan, P Vasudevan Polymer 19 (8), 905-907	12	1978
<a href="#">Planning MONTBLEX—an overview</a> SV Kailas, M Goel Proceedings of the Indian Academy of Sciences-Earth and Planetary Sciences ...	11	1996
<a href="#">Thermally stimulated current characteristics of polypropylene with an without glass fibres</a> M Goel, VB Gupta, PKC Pillai Polymer Bulletin 7, 103-106	11	1982
<a href="#">R &amp; D indicators and mapping of solar energy research output in India</a>	10	2013

TITLE	CITED BY	YEAR
PND Malti Goel*, Vandana Maurya Journal of Scientometric Research 2 (1), 52-58		
<a href="#">Carbon capture and storage, energy future and sustainable development: Indian perspective</a> M Goel Carbon Capture and Storage. Narosa Publishing House, New Delhi, 3-14	10	2008
<a href="#">Study of surface potential characteristics of corona charged ethyl cellulose layers for its relevance in electrothermography</a> PKC Pillai, AK Gupta, M Goel Die Makromolekulare Chemie: Macromolecular Chemistry and Physics 181 (4 ...	10	1980
<a href="#">Persistent polarization in a carotenoid polymer, <math>\beta</math>-carotene</a> PKC Pillai, M Goel Polymer 16 (1), 5-8	9	1975
<a href="#">Charge Formation Characteristics of Epoxy Resin Electrets</a> PKC Pillai, M Goel Journal of The Electrochemical Society 120 (3), 395	9	1973
<a href="#">CO<sub>2</sub> Sequestration Through Phytoremediation Techniques with Special Emphasis on Urban Forestry to Mitigate Climate Change Impact</a> M Govindaraju, J Fowmitha Banu, S Senthamil Selvi, M Goel Climate Change and Green Chemistry of CO <sub>2</sub> Sequestration, 263-271	8	2021
<a href="#">Carbon utilization: applications for the energy industry</a> M Goel, M Sudhakar Springer	8	2017
<a href="#">Implementing clean coal technology in India</a> M Goel India Infrastructure Report	8	2010
<a href="#">Photo. Sci. Engg.</a> PKC Pillai, AK Gupta, M Goel Photo. Sci. Engg 24, 201	8	1980
<a href="#">Science diplomacy for South Asian countries</a> M Goel Springer Singapore	7	2021
<a href="#">An Assessment of CO<sub>2</sub> Reduction Potential from Carbon Sequestration Versus Renewable Energy Targets in India</a> M Goel, R Pal, A Sharma Climate Change and Green Chemistry of CO <sub>2</sub> Sequestration, 27-45	7	2021
<a href="#">Electroceramics research in India</a> M Goel, S Sharma Journal of electroceramics 12, 175-179	7	2004
<a href="#">Evidence for electret polarization in polyoxymethylene</a> M Goel, PKC Pillai Journal of Macromolecular Science, Part B: Physics 16 (3), 397-406	7	1979
<a href="#">Carbon capture and storage technology for sustainable energy future.</a> M Goel Current Science (00113891) 92 (9)	6	2007
<a href="#">Assessment of Altitudinal Mediated Changes of CO<sub>2</sub> Sequestration by Trees at Pachamalai Reserve Forest, Tamil Nadu, India</a> K Suganthi, K Rajiv Das, M Selvaraj, S Kurinji, M Goel, M Govindaraju Carbon utilization: Applications for the energy industry, 89-99	5	2017
<a href="#">Sustainable energy through carbon capture and storage: role of geo-modeling studies</a> M Goel Energy & environment 23 (2-3), 299-317	5	2012
<a href="#">Carbon capture and storage technology for sustainable energy</a> M Goel Paths to Sustainable Energy	5	2010
<a href="#">Carbon capture and storage: science and technology focus for mitigation of climate change</a>	5	2010

TITLE	CITED BY	YEAR
M Goel Int Assoc Energy Econ 19, 37-40		
<a href="#">Recent developments in technology management for reduction of CO2 emissions in metal industry in India</a> M Goel Carbon Dioxide Reduction Metallurgy, 71-82	5	2008
<a href="#">CO2 sequestration: recent Indian research</a> M Goel, SN Charan, AK Bhandari IUGS Indian report of INSA 2008, 56-60	5	2004
<a href="#">An integrated view of applications of electret technology in energy and health sectors</a> M Goel Proceedings. 11th International Symposium on Electrets, 169-172	5	2002
<a href="#">MONTBLEX</a> M Goel, HN Srivastava Vayu Mandal 20, 1-8	5	1989
<a href="#">Future trends of electret applications in energy and environment</a> M Goel, TC Goel 10th International Symposium on Electrets (ISE 10). Proceedings (Cat. No. 99 ...	4	1999
<a href="#">Reduction of greenhouse gas pollution in non-ferrous metal industry: Indian perspective</a> M Goel NML Jamshedpur	4	1998
<a href="#">Surface charge and infrared absorption characteristics of polyethylene terephthalate electrets</a> PKC Pillai, M Goel Journal of Applied Physics 44 (9), 3821-3824	4	1973
<a href="#">Depolarization current characteristics of Naphthalene Photoelectrets</a> PKC Pillai, M Goel Journal of The Electrochemical Society 118 (2), 359	4	1971
<a href="#">Solar Energy: Made Simple for a Sustainable Future</a> M Goel, VS Verma, NG Tripathi Springer Nature	3	2022
<a href="#">Clean energy transitions and role of science diplomacy</a> M Goel Science Diplomacy, 27	3	2020
<a href="#">Monitoring the Spread and Management of <i>Tuta absoluta</i></a> A Fayad, A Adiga Current Science, 844-845	3	2017
<a href="#">Black Carbon in Air: Issues &amp; Concerns</a> M Goel, V Maurya Indian Journal of Air Pollution Control 11 (1), 11-19	3	2011
<a href="#">International workshop on R&amp;D challenges in carbon capture and storage technology for sustainable energy future</a> B Kumar, SN Charan, M Goel Geological Society of India, 174-175	3	2007
<a href="#">Radio acoustic sounding system (RASS) for studying the lower atmosphere</a> SP Singal, M Goel Acoustic Remote Sensing Applications, 142-176	3	2005
<a href="#">Synthesis of meteorological observations and modelling studies to assess climate change mitigation strategies over India</a> HN Srivastava, M Goel Current Science 75 (2), 95-97	3	1998
<a href="#">Solar Roof Top Advancements in India</a> M Goel, VS Verma, NG Tripathi Solar Energy: Made Simple for a Sustainable Future, 149-160	2	2022
<a href="#">High-Temperature Solar Power Systems</a> M Goel, VS Verma, NG Tripathi	2	2022

TITLE	CITED BY	YEAR
Solar Energy: Made Simple for a Sustainable Future, 97-106		
<a href="#">Solar energy in cities</a> M Goel, VS Verma, NG Tripathi Solar Energy: Made Simple for a Sustainable Future, 161-173	2	2022
<a href="#">Climate Change and Green Chemistry of CO2 Sequestration</a> M Goel, T Satyanarayana, M Sudhakar, DP Agrawal Springer	2	2021
<a href="#">Climate Change Mitigation in South Asia</a> M Goel, M Goel Science Diplomacy for South Asian Countries: Insights and Breakthroughs, 131-150	2	2021
<a href="#">CO<sub>2</sub> Capture and Utilization for the Energy Industry: Outlook for Capability Development to Address Climate Change in India</a> M Goel Carbon Utilization: Applications for the Energy Industry, 3-33	2	2017
<a href="#">CO2 sequestration and earth processes</a> M Goel EVERYMAN'S SCIENCE, 289	2	2012
<a href="#">CO2 sequestration technologies for clean energy: awareness and capacity building.</a> SZ Qasim, M Goel CO2 sequestration technologies for clean energy: awareness and capacity ...	2	2010
<a href="#">Carbon Capture and Storage: R &amp; D Technologies for a Sustainable Energy Future</a> M Goel, B Kumar, SN Charan Alpha Science International	2	2008
<a href="#">Study of rain episode in the desert region of the Indian summer monsoon trough</a> M Goel, Y Ramanathan Atmospheric Environment 29 (16), 2191-2198	2	1995
<a href="#">A comparative evaluation of the enhancement of stiffness of polypropylene by uniaxial drawing and by incorporating short glass fibres</a> VB Gupta, M Goel Journal of materials science letters 7 (12), 1339-1341	2	1988
<a href="#">Effect of alternating field on photo-electret formation in anthracene</a> PKC Pillai, M Goel Indian Journal of Pure and Applied Physics 9, 444-449	2	1971
<a href="#">Solar cooling technologies</a> M Goel, VS Verma, NG Tripathi Solar Energy: Made Simple for a Sustainable Future, 107-116	1	2022
<a href="#">Solar Power Plants</a> M Goel, VS Verma, NG Tripathi Solar Energy: Made Simple for a Sustainable Future, 39-49	1	2022
<a href="#">Sun: Unlimited Energy Resource on Earth</a> M Goel, VS Verma, NG Tripathi Solar Energy: Made Simple for a Sustainable Future, 15-26	1	2022
<a href="#">Solar light energy: a photovoltaic cell</a> M Goel, VS Verma, NG Tripathi Solar Energy: Made Simple for a Sustainable Future, 51-63	1	2022
<a href="#">Solar Energy—Then and Now</a> M Goel, VS Verma, NG Tripathi Solar Energy: Made Simple for a Sustainable Future, 1-11	1	2022
<a href="#">Solar resource: Assessment and utilization</a> M Goel, VS Verma, NG Tripathi Solar Energy: Made Simple for a Sustainable Future, 27-37	1	2022
<a href="#">Solar Collectors and Low-Temperature Solar Energy for Homes</a> M Goel, VS Verma, NG Tripathi Solar Energy: Made Simple for a Sustainable Future, 67-79	1	2022
<a href="#">India on a Road to Science Diplomacy</a>	1	2021

TITLE	CITED BY	YEAR
M Goel, M Goel Science Diplomacy for South Asian Countries: Insights and Breakthroughs, 53-66		
<a href="#">Global protocols to address climate change</a> M Goel, M Goel Science Diplomacy for South Asian Countries: Insights and Breakthroughs, 119-130	1	2021
<a href="#">Bilateral S&amp;T Cooperation: India with Neighbouring Countries</a> M Goel, M Goel Science Diplomacy for South Asian Countries: Insights and Breakthroughs, 67-83	1	2021
<a href="#">Awareness and capacity building in carbon capture and utilization</a> M Goel Current Science, 290-291	1	2016
<a href="#">Greenhouse Gas Emission Reduction from Aluminum Industry in India: Challenges &amp; Prospects</a> M Goel Energy Technology 2011: Carbon Dioxide and Other Greenhouse Gas Reduction ...	1	2011
<a href="#">Awareness and capacity building programme on carbon capture and storage.</a> M Goel Current Science (00113891) 98 (5)	1	2010
<a href="#">Photoelectret media for atmospheric nanosensors</a> M Goel 2005 12th International Symposium on Electrets, 435-437	1	2005
<a href="#">Recent approaches in electret research in India and study of polarization in new advanced materials</a> M Goel Proceedings. 11th International Symposium on Electrets, 165-168	1	2002
<a href="#">A report on the workshop on MONTBLEX research results</a> M Goel Current Science 65 (12), 897-899	1	1993
<a href="#">Investigations of the photoelectret effect in pyrene</a> PKC Pillai, M Goel Electrochimica Acta 17 (10), 1839-1847	1	1972
<a href="#">3 'Ps' of Hydrogen Economy in India: Production Pathways, Policies, and Perspectives</a> M Goel Climate Action and Hydrogen Economy: Technologies Shaping the Energy ...		2024
<a href="#">Low-Temperature Solar Energy Systems for Industry</a> M Goel, VS Verma, NG Tripathi Solar Energy: Made Simple for a Sustainable Future, 81-96		2022
<a href="#">Building-Integrated Photo-Voltaic Systems</a> M Goel, VS Verma, NG Tripathi Solar Energy: Made Simple for a Sustainable Future, 131-147		2022
<a href="#">Solar Chemical Energy and Green Hydrogen</a> M Goel, VS Verma, NG Tripathi Solar Energy: Made Simple for a Sustainable Future, 117-128		2022
<a href="#">International Solar Alliance—Toward Clean Energy Transition</a> M Goel, VS Verma, NG Tripathi Solar Energy: Made Simple for a Sustainable Future, 175-185		2022
<a href="#">Citizen-Centric Smart Planning: Case Study San Diego, California</a> NG Tripathi, M Goel Smart Master Planning for Cities: Case Studies on Domain Innovations, 271-300		2022
<a href="#">South Asian Countries and Regional S&amp;T Cooperation</a> M Goel, M Goel Science Diplomacy for South Asian Countries: Insights and Breakthroughs, 43-51		2021
<a href="#">An Evolving Tool of International Cooperation</a> M Goel, M Goel Science Diplomacy for South Asian Countries: Insights and Breakthroughs, 15-26		2021

TITLE	CITED BY	YEAR
<a href="#">A Paradigm Shift in Implementation of Global Goals</a> M Goel, M Goel Science Diplomacy for South Asian Countries: Insights and Breakthroughs, 151-164		2021
<a href="#">A Path Towards Sustainable Development Goals in South Asia</a> M Goel, M Goel Science Diplomacy for South Asian Countries: Insights and Breakthroughs, 165-182		2021
<a href="#">International Mega-Science Projects</a> M Goel, M Goel Science Diplomacy for South Asian Countries: Insights and Breakthroughs, 27-39		2021
<a href="#">Introduction to Science Diplomacy</a> M Goel, M Goel Science Diplomacy for South Asian Countries: Insights and Breakthroughs, 3-14		2021
<a href="#">Case Study: Indo-Sri Lanka Science Diplomacy</a> M Goel, M Goel Science Diplomacy for South Asian Countries: Insights and Breakthroughs, 95-105		2021
<a href="#">Case Study: Would Indo-Pak Science Diplomacy Flourish?</a> M Goel, M Goel Science Diplomacy for South Asian Countries: Insights and Breakthroughs, 107-116		2021
<a href="#">Case Study: Indo-Myanmar Science Diplomacy</a> M Goel, M Goel Science Diplomacy for South Asian Countries: Insights and Breakthroughs, 85-94		2021
<a href="#">Green chemistry and engineering for sustainable development</a> M Goel Current Science, 843-844		2017
<a href="#">Carbon Capture, Storage, and Utilization—An Appraisal of Current Situation in Coal-based Economies</a> M Goel, V Johri Carbon Capture, Storage and, Utilization: A possible climate change solution ...		2014
<a href="#">Environmental science and environmental sociology</a> M Goel Current Science 99 (9), 1163-1164		2010
<a href="#">Perspectives in CO2 sequestration technology and an awareness programme.</a> G Malti CO2 sequestration technologies for clean energy: awareness and capacity ...		2010
<a href="#">In memory of KR Rao, BARC and Editor, Physics News</a> M Goel Current Science 96 (4), 448-448		2009
<a href="#">Session 14. Technology Development Round Table Malti Goel ENERGY GENERATION FOR SUSTAINABLE DEVELOPMENT: INDIAN PERSPECTIVES AND TECHNOLOGY OPTIONS</a> M Goel Securing Energy in Insecure Times: Executive Summaries of the 29th Annual ...		2006
<a href="#">MEETING REPORT: Symposium on electrets</a> M Goel Current Science 83 (12), 1437-1438		2002
<a href="#">Interpretation of charge storage in drawn polypropylene and glass fibre reinforced composite from TSDC and mechanical data</a> M Goel 10th International Symposium on Electrets (ISE 10). Proceedings (Cat. No. 99 ...		1999
<a href="#">Solar radiation and atmospheric models control the climatic effects</a> RN Singh Current Science 76 (6), 713-715		1999
<a href="#">University science education: Who funds?</a> Malti Current Science, 677-680		1995
<a href="#">Clean coal technologies: programmes and initiatives of TIFAC</a>		1994

TITLE	CITED BY	YEAR
M Goel TIDE 4 (3), 285-288		
<b>Omissions</b> M Goel Current Science 61 (7), 431-431		1991
<b>Lidar viewing of the atmosphere</b> M Goel, HN Srivastava Indian Journal of Physics 64, 329-345		1990
<b>Some studies on glass fibre reinforced polymer composites</b> M Goel 6th International Symposium on Electrets,(ISE 6) Proceedings., 414-418		1988
<b>Electrical conduction in glass fibre reinforced polypropylene composite and drawn polypropylene</b> M Goel, VB Gupta, PKC Pillai Proceedings of First International Conference on Conduction and Breakdown in ...		1983
<b>Effect of variations in humidity and ambient temperature on electrothermographic characteristics of polymers</b> PKC Pillai, AK Gupta, M Goel Conference Record-IAS Annual Meeting (IEEE Industry, 1159-1163		1980
<b>EFFECT OF DOPING ON ELECTROTHERMOGRAPHIC BEHAVIOR OF POLYSTYRENE</b> PKC PILLAI, M GOEL		1980
<b>Effect of temperature on photoelectret properties of organic materials</b> PKC Pillai, M Goel Physics Letters A 42 (2), 149-150		1972
<b>Thermo-and photo-electret studies in organic solids</b> M Goel IIT Delhi		1972
<b>INVESTIGATIONS OF THERMOPHOTOELECTRET EFFECT IN ORGANIC HYDROCARBONS</b> PKC PILLAI, M GOEL JOURNAL OF THE ELECTROCHEMICAL SOCIETY 119 (8), C225+		1972
<b>CHARAKTERISTIKEN DES DEPOLARISATIONSSTROMS VON NAPHTHALIN-PHOTOELEKTRETEN</b> PKC PILLAI, M GOEL Chemischer Informationsdienst. Organische Chemie 2 (19), no-no		1971
<b>EFFECT OF ADDITIVES ON THERMALLY STIMULATED CURRENT STUDIES ON POLYVINYL CHLORIDE ELECTRETS</b> PKC PILLAI, M GOEL		
<b>Synthesis of meteorological observations and modelling studies to assess climate change mitigation strategies over India</b> HN Srivastava, M Goel		
<b>u Jornal of Electroceramic5, 12, 175–179, 2004</b> M GOEL, S SHARMA		
<b>Thermal depolarization effect in phenolic</b> M Goel, PS Viswanathan, P Vasudevan		
<b>Ig ggSgS SASAgSgSgSAASAAAS\)-O-CH-CH-CH</b> PKC Pillai, M Goel		
<b>INDIAN PROGRAMME OF TROPICAL OCEAN GLOBAL GGGGGGGG LLLLLLL</b> M Goel, HN Srivastava		
<b>" Monsoon Trough</b> M Goel, HN Srivastava		
<b>METEOROLOGICAL OBSERVATION SYSTEM IN HIMALAYAN REGION UNDER U-PROBE FOR EDUCATION AND CLIMATE CHANGE MITIGATION STRATEGIES</b> M GOEL		

TITLE

CITED BY

YEAR

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[Air Pollution and Human Health: Some Case Studies](#)

M Goel, K Vohra

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