

## ACKNOWLEDGEMENTS

*Journal of Earth System Science* wishes to place on record the valuable assistance received from the following scientists in reviewing manuscripts during 2011.

Abbott Dallas, *Columbia University, Palisades, United States*

Achuta Rao Krishna, *Indian Institute of Technology, Delhi*

Ahlfeld David P, *University of Massachusetts, Amherst, United States*

Ahmad Talat, *Kashmir University, Srinagar*

Alex Sobhana, *Indian Institute of Geomagnetism, Navi Mumbai*

Ali M M, *National Remote Sensing Centre (Indian Space Research Organization), Hyderabad*

Anandraj R, *ISRO Telemetry, Tracking and Command Network (Indian Space Research Organization), Bangalore*

Anderson Karen, *University of Exeter, Penryn, United Kingdom*

Arora Baldev Wadia, *Institute of Himalayan Geology, Dehradun*

Arvidsson Ronald, *GFZ German Research Centre for Geosciences, Helmholtz-Zentrum, Germany*

Ashok K, *Indian Institute of Tropical Meteorology, Pune*

Ashrit R, *National Centre for Medium Range Weather Forecasting, Noida*

Babu Suresh, *Space Physics Laboratory, Thiruvananthapuram*

Bai Junhong, *Beijing Normal University, Beijing, China*

Balachandran S, *India Meteorological Department, Chennai*

Balaji C, *Indian Institute of Technology Madras, Chennai*

Balakrishnan S, *Pondicherry University, Pondicherry*

Balaram V, *National Geophysical Research Institute, Hyderabad*

Balunaini Umashankar, *Indian Institute of Technology, Hyderabad*

Banerjee D M, *Delhi University, Delhi*

Banerjee Santanu, *Indian Institute of Technology Bombay, Mumbai*

Bansal Abhey Ram, *National Geophysical Research Institute, Hyderabad*

Barrera-Alba Josè-Juan, *Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil*

Bartholomeus Harm, *Wageningen University, Wageningen, Netherlands*

Basu Abhijit, *Indiana University, Bloomington, United States*

Beegum Naseema, *National Physical Laboratory, New Delhi*

Benedetto Andrea, *University Roma Tre, Rome, Italy*

Bhat G S, *Indian Institute of Science, Bangalore*

Bhattarai Rabin, *University of Illinois, Urbana, United States*

Bhowmik Roy S K, *India Meteorological Department, Delhi*

Bhowmik Santanu Kumar, *Indian Institute of Technology, Kharagpur*

Bhuiyan Chandrashekhar, *University of Delhi, Delhi*

Bilham Roger, *University of Boulder, Boulder, United States*

Biswal Tapas Kumar, *Indian Institute of Technology Bombay, Mumbai*

Boese Maren, *California Institute of Technology, Pasadena, United States*

Bonotto Daniel Marcos, *Petrologia e Metalogenia, UNESP, Rio Claro, Sao Paulo, Brazil*

Booij Martijn J, *University of Twente, Enschede, Netherlands*

Bothwell Phillip S P C, *National Weather Service, NOAA, Norman, United States*

Bottrell Simon, *University of Leeds, Leeds, United Kingdom*

Boutt David F, *University of Massachusetts, Amherst, United States*

Breecker Dan O, *The University of Texas, Austin, United States*

Brito-Castillo Luis, *CIBNOR SC, Guaymas, Sonora, Mexico*

Brunner Philip, *Université de Neuchâtel, Neuchâtel, Switzerland*

Bulcock H H, *University of KwaZulu-Nata, Pietermaritzburg, South Africa*

Carrara Alberto, *CNR-IEIIT, Bologna, Italy*

Carvalho Alexandra Rodrigues, *LNEC – National Laboratory for Civil Engineering, Lisbon, Portugal*

Chakraborty Arindam, *Indian Institute of Science, Bangalore*

Chakraborty Partha, *Delhi University, Delhi*

Chakraborty Sudipta, *Grenoble University, Grenoble, France*

Chandra Harish, *Physical Research Laboratory, Ahmedabad*

Chang Yi, *Taiwan National Ocean University, Taiwan, China*

Chatterjee Abhijit, *Bose Institute, Kolkata*

Chatterjee R S, *Indian Institute of Remote Sensing (NRSA), Dehradun*

Chattopadhyay Anupam, *University of Delhi, Delhi*

Chattopadhyay Devapriya, *Indian Institute of Science Education and Research, Kolkata*

Chaudhri Naveen, *Panjab University, Chandigarh*

Chen Ching-Tien, *National Chiayi University, Minxiong, Chiayi Country, Taiwan*

Chen Xingyuan Lorraine, *University of California, Berkeley, United States*

Chen Xun-Hong, *University of Nebraska, Lincoln, United States*

Chepurin Gennady A, *University of Maryland, Maryland, United States*

Chesnaux Romain, *Université du Québec à Chicoutimi, Chicoutimi, Canada*

Chetty T R K, *National Geophysical Research Institute, Hyderabad*

Chidambaram S, *Annamalai University, Annamalai Nagar*  
Chopra Sumer, *Ministry of Earth Sciences, New Delhi*  
Choudhary Rajkumar, *Space Physics Laboratory, Thiruvananthapuram*  
Choudhury Deepankar, *Indian Institute of Technology Bombay, Mumbai*  
Cirilli Simonetta, *University of Perugia, Perugia, Italy*  
Cloutis Edward, *University of Winnipeg, Manitoba, Canada*  
Cohen M C L, *Federal University of Para, Belem, Brazil*  
Colomb Aurélie, *University of Blaise Pascal (Clermont-Ferrand), Aubière, France*  
Conran John, *The University of Adelaide, Adelaide, Australia*  
Corral Alvaro, *Autonomous University of Barcelona, Barcelona, Spain*  
Costa L S, *Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil*  
Crisci Alfonso, *IBIMET-CNR, Florence, Italy*  
Crosby Alistair, *University of Cambridge, Cambridge, United Kingdom*  
Curray Joseph, *Scripps Institute of Oceanography, UCSD, San Diego, United States*  
da Silva Lopes Patricia, *Federal University of Itajubá, Itajuba, Brazil*  
Das Kaushik, *Bengal Engineering and Science University, Kolkata*  
de Boyer Monetgut Clement, *IFREMER, Plouzane, France*  
Deb Sanjib Kumar, *Space Applications Centre (Indian Space Research Organization), Ahmedabad*  
Decker Steve, *Rutgers University, New Brunswick, United States*  
DelGrosso Stephen J, *Colorado State University, Colorado, United States*  
Dewangan Pawan, *National Institute of Oceanography, Dona Paula*  
Dhar Anirban, *Indian Institute of Technology, Kharagpur*  
Dobrzynski Dariusz, *University of Warsaw, Warsaw, Poland*  
Dodla Venkata Bhaskar Rao, *Jackson State University, Jackson, United States*  
Dogan Emrah, *Sakarya University, Sakarya, Turkey*  
Durand Fabien, *LEGOS, Toulouse, France*  
Dutt C B S, *National Remote Sensing Centre, Hyderabad*  
Dutta Somnath, *India Meteorological Department, Pune*  
Dutta Subashisa, *Indian Institute of Technology, Guwahati*  
Dwivedi Suneet, *Allahabad University, Allahabad*  
Edet Aniekan Effiom, *University of Calabar, Calabar Cross River, Nigeria*  
Eisner Stephanie, *University of Kassel, Kassel, Germany*  
Eldho T I, *Indian Institute of Technology Bombay, Mumbai*  
Eriksson Patrick G, *University of Pretoria, Pretoria-Tshwane, South Africa*  
Filizola Naziano Pantoja, *Universidade Federal do Amazonas, Manaus, Brazil*  
Fontaneto Diego, *Imperial College, London, United Kingdom*  
Fox Patrick J, *University of California, San Diego, United States*

Francis P A, *Indian National Centre for Ocean Information Services, Hyderabad*  
Güntner Andreas, *GFZ German Research Centre for Geosciences, Potsdam, Germany*  
Gedam Shirish, *Indian Institute of Technology Bombay, Mumbai*  
Ghosh N C, *Patna University, Patna*  
Ghosh S K, *Wadia Institute of Himalayan Geology, Dehradun*  
Giustolisi Orazio, *Technical University of Bari, Taranto, Italy*  
Gnanaseelan C, *Indian Institute of Tropical Meteorology, Pune*  
Gogoi Mukunda, *Space Physics Laboratory, Thiruvananthapuram*  
Gokarn Sanjay Gurunath, *Indian Institute of Geomagnetism, Navi Mumbai*  
Gomez-Ortiz David, *Universidad Rey Juan Carlos, Madrid, Spain*  
Goyal Manish, *University of Waterloo, Waterloo, Canada*  
Grasby Stephen E, *Geological Survey of Canada, Calgary, Canada*  
Greenslade Diana, *Bureau of Meteorology, Melbourne, Australia*  
Gruszka Beata, *Adam Mickiewicz University, Poznan, Poland*  
Guha Asit K, *Indian Institute of Technology, Kharagpur*  
Guhathakurta Pulak, *India Meteorological Department, Pune*  
Gulinck Hubert, *Katholieke Universiteit, Leuven, Belgium*  
Gundogdu Kemal Sulhi, *Uludag University, Bursa, Turkey*  
Gupta I D, *Central Water and Power Research Station, Pune*  
Gurubaran Subramanian, *Equatorial Geophysical Laboratory, Thirunelveli*  
Héquette Arnaud, *Université du Littoral Côte d'Opale, Wimereux, France*  
Harinarayana T, *National Geophysical Research Institute, Hyderabad*  
Hasumi Tomohiro, *Natural Resources and Energy Mizuho Information and Research Institute, Tokyo, Japan*  
Howell Stephen, *Environment Canada, Toronto, Canada*  
Huang Xiaozhong, *Lanzhou University, Lanzhou, China*  
Hughes Philip, *The University of Manchester, Manchester, United Kingdom*  
Hui Li, *China University of Geosciences, Wuhan, China*  
Hwang J H, *National Central University, Chung-Li, Taiwan*  
Ishii Masayoshi, *Japan Agency for Marine-Earth Science and Technology, Yokohama, Japan*  
Iyer K N, *Saurashtra University, Rajkot*  
Jagadheesha Deveerappa, *Indian Space Research Organization Head Quarters, Bangalore*  
Jain Sanjay Kumar, *National Institute of Hydrology, Roorkee*  
Janga Reddy Manne, *Indian Institute of Technology Bombay, Mumbai*  
Jasper André, *Museu de Ciências Naturais, Univates, Lajeado, Brazil*  
Jayachandran K P, *Technical University of Lisbon, Lisbon, Portugal*  
Jayananda M, *University of Delhi, Delhi*

- Jeelani G, *University of Kashmir, Srinagar*
- Jha Madan Kumar, *Indian Institute of Technology, Kharagpur*
- Jiang Yongjun, *Institute of Karst Environment and Rock Desertification Rehabilitation, Chongqing, China*
- Jiménez-Muñoz, *University of Valencia, Valencia, Spain*
- Jin Shuanggen, *University of Texas, Austin, United States*
- Jones Graham B, *Southern Cross University, Lismore, Australia*
- Jose Felix, *Louisiana State University, Baton Rouge, United States*
- Joseph Sushmita, *Indian Institute of Tropical Meteorology, Pune*
- Jung Hahn Chul, *NASA Goddard Space Flight Center, Greenbelt, United States*
- Junior Agenor De Noni, *Instituto Maximiliano Gaidzinski, Cocal do Sul, Brazil*
- Juyal Navin, *Physical Research Laboratory, Ahmedabad*
- Kale Vishwas, *University of Pune, Pune*
- Kalnins Lara, *University of Oxford, Oxford, United Kingdom*
- Kamra A K, *Indian Institute of Tropical Meteorology, Pune*
- Kamsali Nagaraja, *Central University, Bangalore*
- Kar Sarat, *National Centre for Medium Range Weather Forecasting, Noida*
- Karipot Anandakumar, *University of Pune, Pune*
- Karmalkar Nitin Raghunath, *University of Pune, Pune*
- Kaskaoutis Dimitris, *National Observatory of Athens, Athens, Greece*
- Kato Soushi, *Nagoya University, Nagoya, Japan*
- Kaur Parampreet, *Panjab University, Chandigarh*
- Kayal J R, *Jadavpur University, Kolkata*
- Kesarkar Amit P, *National Atmospheric Research Laboratory, Gadanki*
- Khandeparker Lidita, *National Institute of Oceanography, Dona Paula*
- Kim Kue-Young, *Korea Institute of Geoscience & Mineral Resources, Gajeong Dong, Taejon, Republic of Korea*
- Kisi Özgür, *Erciyes University, Kayseri, Turkey*
- Kisthawal C M, *Space Applications Centre (Indian Space Research Organization), Ahmedabad*
- Kofoed-Hansen Henrik, *DHI, Hørsholm, Denmark*
- Königk Torben, *Swedish Meteorological and Hydrological Institute, Norrköping, Sweden*
- Kosugi Kenji, *National Research Institute for Earth Science and Disaster Prevention, Shinjo, Japan*
- Kothawale D R, *Indian Institute of Tropical Meteorology, Pune*
- Kratt Christopher, *Desert Research Institute, Nevada, United States*
- Krishna Akhouri Pramod, *Birla Institute of Technology, Ranchi*
- Krishna Mohan Thamattoor R, *Centre for Mathematical Modelling and Computer Simulation, Bangalore*
- Krishnamoorthy K, *Space Physics Laboratory, Thiruvananthapuram*

- Kuhlman Kristopher L, *Sandia National Laboratories, New Mexico, United States*
- Kumar Bhishm, *National Institute of Hydrology, Roorkee*
- Kumar K Mohan, *Cochin University of Science and Technology, Cochin*
- Kumar Karnam Kishore, *Space Physics Laboratory, Thiruvananthapuram*
- Kumar Kireet, *G.B. Pant Institute of Himalayan Environment & Development, Almora*
- Kumar Suresh, *Indian Institute of Remote Sensing, Dehradun*
- Kumar V Krishna, *National Centers for Environmental Prediction, Camp Springs, United States*
- Kumar Vinay, *Florida State University, Tallahassee, United States*
- Kunz Martin, *Lawrence Berkeley National Lab, Berkeley, United States*
- Kurian Jaison, *University of California, Los Angeles, United States*
- Lee Hyongki, *The Ohio State University, Columbus, United States*
- Lee Saro, *Korea Institute of Geoscience and Mineral Resources, Daejon, Republic of Korea*
- Lee Yong-Keun, *University of Wisconsin, Wisconsin, United States*
- Lennartz Sabine, *Justus Liebig University, Goethestrasse, Germany*
- Li Cheng-Sen, *Chinese Academy of Sciences, Beijing, China*
- Li Hailong, *China University of Geosciences, Wuhan, China*
- Linhua Sun, *Suzhou University, Suzhou, China*
- Liu Chen-Wuing, *National Taiwan University, Taipei, Taiwan*
- Mahecha Miguel D, *Max Planck Institute for Biogeochemistry, Jena, Germany*
- Maity Rajib, *Indian Institute of Technology, Kharagpur*
- Majumdar T J, *Space Applications Centre (Indian Space Research Organization), Ahmedabad*
- Malik M A, *University of Jammu, Jammu (Tawi)*
- Mandal Nibir, *Jadavpur University, Kolkata*
- Manju G, *Space Physics Laboratory, Thiruvananthapuram*
- Mantri Vaibhav, *Central Salt & Marine Chemicals Research Institute, Bhavnagar*
- Martí Pau, *Universidad Politécnica de Valencia, Valencia, Spain*
- Matin Abdul, *University of Calcutta, Kolkata*
- Mauget Steven A, *Plant Stress and Water Conservation Lab, USDA-ARS, Lubbock, United States*
- Mazumder Aninda, *National Institute of Oceanography, Dona Paula*
- Menon Arun, *Indian Institute of Technology Madras, Chennai*
- Menon Harilal B, *Goa University, Panji*
- Meyers Gary, *CSIRO, Hobart, Australia*
- Min Zhong, *Institute of Geodesy and Geophysics, Wuhan, China*
- Minet Julien, *Université Catholique de Louvain, Louvain, Belgium*
- Mishra Akhila Kumar, *Indian Institute of Remote Sensing, Dehradun*
- Mishra Ashok, *Texas A & M University, Texas, United States*
- Mishra Biswajit, *Indian Institute of Technology, Kharagpur*



Mitra Supriyo, *Indian Institute of Science Education and Research, Kolkata*  
Mohammad Sayab, *Peshawar Unbiversity, Peshawar, Pakistan*  
Mohanty William, *Indian Institute of Technology, Kharagpur*  
Molchanov Oleg, *Institute of Physics of the Earth, Moscow, Russian Federation*  
Mondal Erfan, *Aligarh Muslim University, Aligarh*  
Mondal Nepal Chandra, *National Geophysical Research Institute, Hyderabad*  
Moron Vincent, *Aix-Marseille University & CEREGE, Marseille, France*  
Mucciarelli Marco, *University of Basilicata, Potenza, Italy*  
Mukherjee Saumitra, *Jawaharlal Nehru University, New Delhi*  
Mukhopadhyay D, *Calcutta University, Kolkata*  
Mukhopadhyay Dilip K, *Indian Institute of Technology, Roorkee*  
Mukhopadhyay Parathasarathy, *Indian Institute of Tropical Meteorology, Pune*  
Mukul M, *Indian Institute of Technology Bombay, Mumbai*  
Munwar Basha B, *Indian Institute of Technology, New Delhi*  
Murthy B V K, *Ceebros National Atmospheric Research Laboratory, Chennai*  
Nagendernath B, *National Institute of Oceanography, Dona Paula*  
Naik Pradeep Kumar, *Ministry of Municipalities and Agriculture, Budaiya, Bahrain*  
Nair Vijayakumar S, *International Centre for Theoretical Physics, Trieste, Italy*  
Nautiyal Prakash, *HNB Garhwal University, Srinagar*  
Nicolisky Dmitry, *University of Alaska Fairbanks, Fairbanks, United States*  
Niranjan Kandula, *Andhra University, Visakhapatnam*  
Nishimura Shin-ichi, *Okayama University, Tsushima-naka, Japan*  
Nivas Sri, *Indian Institute of Technology, Roorkee*  
O'Donnell Jonathan, *University of Alaska Fairbanks, Fairbanks, United States*  
Ohta Tohru, *Waseda University, Tokyo, Japan*  
Padhy S, *National Geophysical Research Institute, Hyderabad*  
Pai D S, *India Meteorological Department, Pune*  
Pal Dipak, *Jadavpur University, Kolkata*  
Pan Ying, *Chinese Academy of Sciences, Beijing, China*  
Pande Kanchan, *Indian Institute of Technology Bombay, Mumbai*  
Pandey Ashish, *Indian Institute of Technology, Roorkee*  
Panigrahi Mruganka, *Indian Institute of Technology, Kharagpur*  
Pant N C, *University of Delhi, Delhi*  
Pant Tarun Kumar, *Space Physics Laboratory, Thiruvananthapuram*  
Pardo David, *Basque Center for Applied Mathematics, Bizkaia Technology Park, Spain*  
Parrot Michel, *LPCE/CNRS, Orleans, France*  
Parsekian Andrew D, *Rutgers University, Newark, United States*

Parvez Imtiyaz Ahmed, *Centre for Mathematical Modelling and Computer Simulation, Bangalore*  
Pascal Christophe, *Geological Survey of Norway (NGU), Sluppen, Norway*  
Patnaikuni Satyanarayana, *Swiss Re, Bangalore*  
Patra Amit Kumar, *National Atmospheric Research Laboratory, Gadanki*  
Patranabis Deb Sarbani, *Indian Statistical Institute, Kolkata*  
Pattanaik D R, *India Meteorological Department, New Delhi*  
Paul Dalim, *Presidency College, Kolkata*  
Pawar S D, *Indian Institute of Tropical Meteorology, Pune*  
Perumal Jayan, *Wadia Institute of Himalayan Geology, Dehradun*  
Petitta Marco, *Università "La Sapienza" di Roma, Roma, Italy*  
Pieters Carle M, *Brown University, Providence, United States*  
Pisa David, *Charles University, Prague, Czech Republic*  
Prabakaran Thara, *Indian Institute of Tropical Meteorology, Pune*  
Prabhakar S V R K, *Institute for Global Environmental Strategies, Hayama, Japan*  
Prasad B S N, *University of Mysore, Mysore*  
Prasad Kanti, *India Meteorological Department, New Delhi*  
Prasad V S, *National Centre for Medium Range Weather Forecasting, Noida*  
Prasanna M V, *University of Curtin Miri, Sarawak, Malaysia*  
Purnachandra Rao Venigalla, *National Institute of Oceanography, Dona Paula*  
Quack Birgit, *Leibniz-Institut für Meereswissenschaften, Kiel, Germany*  
Radhakrishna M, *Indian Institute of Technology Bombay, Mumbai*  
Raghavan S, *India Meteorological Department, Chennai*  
Rai Shyamsundar, *National Geophysical Research Institute, Hyderabad*  
Rajagopalan Balaji, *University of Colorado, Boulder, United States*  
Rajasekhar M, *Sathish Dhawan Space Centre, Sriharikota*  
Rajeev K, *Space Physics Laboratory, Thiruvananthapuram*  
Rajeevan M, *National Atmospheric Research Laboratory, Gadanki*  
Rajendran C P, *Centre for Earth Science Studies, Thiruvananthapuram*  
Rajendran Kavirajan, *Centre for Mathematical Modelling and Computer Simulation, Bangalore*  
Raju Srinivasa K, *BITS Pilani Hyderabad Campus, Hyderabad*  
Ramakrishna S S V S, *Andhra University, Visakhapatnam*  
Ramakrishnan D, *Indian Institute of Technology Bombay, Mumbai*  
Ramana M V, *National Institute of Oceanography, Dona Paula*  
Ramanathan A L, *Jawaharlal Nehru University, New Delhi*  
Ramesh R, *Physical Research Laboratory, Ahmedabad*  
Ranjith K, *Palakkad*  
Rao Chalapathi, *Benaras Hindu University, Varanasi*



Rao Chalapathi N V, *Benaras Hindu University, Varanasi*  
Rao P B, *National Remote Sensing Agency, Hyderabad*  
Rao Suryachandra A, *Indian Institute of Tropical Meteorology, Pune*  
Rathbun Andrew, *University Joseph Fourier - Grenoble I, Grenoble, France*  
Ray Jyotiranjana S, *Physical Research Laboratory, Ahmedabad*  
Ray Jyotisankar, *Calcutta University, Kolkata*  
Rehbinder Goran, *Royal Institute of Technology, Stockholm, Sweden*  
Ren Wei, *Auburn University, Auburn, United States*  
Resplandy Laure, *LOCEAN, Paris, France*  
Revadekar Jayashree, *Indian Institute of Tropical Meteorology, Pune*  
Ricci Claudia, *University of Milan, Milan, Italy*  
Ricka Adam, *RWE Gas Storage, Brno, Czech Republic*  
Ristau John, *GNS Science, Avalon, New Zealand*  
Rodrigues João, *University of Cambridge, Cambridge, United Kingdom*  
Roumelioti Zafeiria, *Aristotle University of Thessaloniki, Thessaloniki, Greece*  
Routh Joyanto, *University of Stockholm, Stockholm, Sweden*  
Roy Shouraseni Sen, *University of Miami, Coral Gables, United States*  
Ruiz-Fernández Ana, *Universidad Nacional Autónoma de México, Mazatlán, Mexico*  
Sadeghi Seyed Hamidreza, *Tarbiat Modares University, Noor, Republic of Iran*  
Sahany Sandeep, *UCLA, Los Angeles, United States*  
Sahni Ashok, *Lucknow University, Lucknow*  
Sahu Lokesh K, *University of Tokyo, Tokyo, Japan*  
Saikia Ashima, *University of Delhi, Delhi*  
Saino Toshiro, *Japan Agency for Marine-Earth Science and Technology, Yokosuka, Japan*  
Sajani S, *Centre for Mathematical Modelling and Computer Simulation, Bangalore*  
Samborska Katarzyna, *Institute for Ecology of Industrial Areas, Katowice, Poland*  
Sampei Yoshikazu, *Shimane University, Matsue, Japan*  
Samuels William B, *SAIC, McLean, Virginia, United States*  
Saraswat Rajeev, *National Institute of Oceanography, Dona Paula*  
Saraswati Pratul Kumar, *Indian Institute of Technology Bombay, Mumbai*  
Sarkar Shantanu, *Central Building Research Institute, Roorkee*  
Sarkar Subir, *Jadavpur University, Kolkata*  
Sarma V V S S, *National Institute of Oceanography (Regional Centre), Visakhapatnam*  
Satheesh S K, *NASA GSFC, Maryland, United States*  
Scarciglia Fabio, *University of Calabria, Arcavacata di Rende, Italy*  
Scheffers Anja, *Southern Cross University, Lismore, Australia*  
Schmid Thomas, *CIEMAT, Madrid, Spain*

Schorlemmer Danijel, *GFZ German Research Centre for Geosciences, Helmholtz-Zentrum, Germany*  
Seemala Gopi Krishna, *Boston College, Boston, United States*  
Sensarma Sarajit, *Lucknow University, Lucknow*  
Sethna Sam, *University of Bombay, Mumbai*  
Sezer Alper, *Ege University, Bornova, Turkey*  
Shang Jiali, *Agriculture and Agri-Food Canada, Ottawa, Canada*  
Shao Hui, *Developmental Testbed Center, Boulder, United States*  
Sharma M D, *Kurukshetra University, Kurukshetra*  
Sharma Mukat Lal, *Indian Institute of Technology, Roorkee*  
Sharma Shashi Prakash, *Indian Institute of Technology, Kharagpur*  
Shaw Andrew, *National Oceanography Centre, Southampton, United Kingdom*  
Sheffer Nathan A, *The University of Texas, Austin, United States*  
Shenoi S S C, *Indian National Centre for Ocean Information Services, Hyderabad*  
Shetye Satish Ramnath, *National Institute of Oceanography, Dona Paula*  
Shrivastava J P, *University of Delhi, Delhi*  
Shukla Umakant, *Benaras Hindu University, Varanasi*  
Sijikumar S, *Space Physics Laboratory, Thiruvananthapuram*  
Simaika John Pascal, *Stellenbosch University, Stellenbosch, South Africa*  
Singh Abhay Kumar, *Banaras Hindu University, Varanasi*  
Singh Abhay Kumar, *Central Institute of Mining and Fuel Research, Dhanbad*  
Singh Ashok Kumar, *University of Lucknow, Lucknow*  
Singh Ashutosh Kumar, *University of Delhi, Delhi*  
Singh M P, *Banaras Hindu University, Varanasi*  
Singh Rajesh, *Indian Institute of Geomagnetism, Allahabad*  
Singh Sarvajit, *New Delhi*  
Singh Sushil Kumar, *Space Applications Centre (Indian Space Research Organization), Ahmedabad*  
Singh T N, *Indian Institute of Technology Bombay, Mumbai*  
Sinha Ashwini Kumar, *Indian Institute of Geomagnetism, Navi Mumbai*  
Sinha-Roy Subimal, *Birla Institute of Scientific, Jaipur*  
Sitharam T G, *Indian Institute of Science, Bangalore*  
Soula Serge, *University of Toulouse, Toulouse, France*  
Spicer Robert A, *Open University Milton Keynes, United Kingdom*  
Sreeja V, *University of Nottingham, Nottingham, United Kingdom*  
Sri Widiyantoro, *Bandung Institute of Technology, Bandung, Indonesia*  
Sridharan S, *National Atmospheric Research Laboratory, Gadanki*  
Srikanthan Ramachandran, *Physical Research Laboratory, Ahmedabad*  
Sripathi S, *Indian Institute of Geomagnetism, Navi Mumbai*

Srivastava Arvind, *India Meteorological Department, Pune*  
Srivastava Deepak, *Indian Institute of Technology, Roorkee*  
Srivastava Pradeep, *Wadia Institute of Himalayan Geology, Dehradun*  
Srivastava Rajesh K, *Banaras Hindu University, Varanasi*  
Srivastava S C, *Birbal Sahni Institute of Palaeobotany, Lucknow*  
Subbarao D V, *National Geophysical Research Institute, Hyderabad*  
Subrahmanyam D Bala, *Space Physics Laboratory, Thiruvananthapuram*  
Suksi Juhani, *University of Helsinki, Helsinki, Finland*  
Sun Z Q, *Northeast Normal University, Changchun, China*  
Tallini Marco, *Università di L'Aquila, L'Aquila, Italy*  
Tamura Takeshi, *University of Tasmania, Hobart, Australia*  
Taori Alok, *National Atmospheric Research Laboratory, Gadanki*  
Tatar Mohammad, *International Institute of Earthquake Engineering and Seismology, Farmanieh, Republic of Iran*  
Thanapakpawin Porraanee, *Hydro and Agro Informatics Institute, Bangkok, Thailand*  
Thapliyal P K, *Space Applications Centre (Indian Space Research Organization), Ahmedabad*  
Tiwari V M, *National Geophysical Research Institute, Hyderabad*  
Tomar S K, *Panjab University, Chandigarh*  
Tosi Patrizia, *Istituto Nazionale di Geofisica e Vulcanologia, Roma, Italy*  
Tripathi Jayant K, *Jawaharlal Nehru University, New Delhi*  
Trivedi Shashikant, *Saraswati Institute of Technology & Management, Lucknow*  
Tutolo Benjamin, *University of Minnesota, Minneapolis, United States*  
Ubelmann Clement, *Jet Propulsion Laboratory, Pasadena, United States*  
Umar Rashid, *Aligarh Muslim University, Aligarh*  
Ummenhofer Caroline, *University of New South Wales, Sydney, Australia*  
Unnikrishnan A S, *National Institute of Oceanography, Dona Paula*  
Upadhyay Dewashish, *Indian Institute of Technology, Kharagpur*  
Vadrevu Krishna Prasad, *University of Maryland, College Park, United States*  
Van Loon A J (Tom), *Adam Mickiewicz University Poznan, Poznan, Netherlands*  
Vaughan Greg R, *United States Geological Survey, Flagstaff, United States*  
Venkataraman G, *Indian Institute of Technology Bombay, Mumbai*  
Venkatesh T N, *National Aerospace Laboratories, Bangalore*  
Vinayachandran P N, *Indian Institute of Science, Bangalore*  
Vineeth C, *Space Physics Laboratory, Thiruvananthapuram*  
Visscher Henk, *University of Utrecht, Utrecht, Netherlands*  
Wang Guoqiang, *Beijing Normal University, Beijing, China*  
Wang Jinhua, *Academia Sinica Institute of Earth Sciences, Nanjing, China*  
Wang Liying, *Hebei University of Engineering, Han Dan, China*

Wang Xuguang, *The University of Oklahoma, Norman, United States*

Wang Yu-Min, *National Pingtung University of S. and T., Pingtung, China*

Warrier Unnikrishnan C, *Centre for Water Resources Development and Management, Kozhikode*

Wattanasen Kamhaeng, *Prince of Songkla University, Hatyai, Thailand*

Welch Kathleen A, *Ohio State University, Columbus, United States*

Wenk Hans-Rudolf, *University of California, Berkeley, United States*

Wijesekara G N, *University of Calgary, Calgary, Canada*

Wilde Volker, *Senckenberg Forschungsinstitut und Naturmuseum, Frankfurt, Germany*

Wilkie Peter, *Royal Botanic Garden, Edinburgh, United Kingdom*

Wilson Christopher G, *The University of Iowa, Iowa City, United States*

Woocay Arturo, *Instituto Tecnológico de Ciudad Juárez, El Paso, United States*

Wu Ting-Nien, *Kun Shan University, Yung-Kang City, China*

Xie Hua, *International Food Policy Research Institute, Washington D C, United States*

Yadav Brijesh Kumar, *Utrecht University, Utrecht, Netherlands*

Yadav R B S, *Institute of Seismological Research, Raisan*

Yadava Madhusudan G, *Physical Research Laboratory, Ahmedabad*

Yamagishi Hiromitsu, *Ehime University, Matsuyama, Japan*

Yawson Daniel, *International Union for Conservation of Nature, Kano, Nigeria*

Yidana Sandow Mark, *University of Ghana, Legon-Accra, Ghana*

Yu Zhigang, *Ocean University of China, Qingdao, China*

Zeng Zhen, *National Center for Atmospheric Research, Boulder, United States*

Zhang Jane Xinxin, *Fitchburg State College, Fitchburg, United States*

Zhang Yinsheng, *Chinese Academy of Sciences, Beijing, China*

Zhou Zhekun, *Kunming Institute of Botany, Kunming, China*