

ACKNOWLEDGEMENTS

Journal of Earth System Science wishes to place on record the valuable assistance received from the following scientists in reviewing manuscripts during 2012.

Abhilash P C, *Banaras Hindu University, Varanasi*

Ackah Mike, *National Nuclear Research Institute, Kwabenya, Accra, Ghana*

Agarwal Ranjana, *Indian Agricultural Statistics Research Institute, New Delhi*

Agarwal Shefali, *Indian Institute of Remote Sensing, Dehradun*

Agram Piyush, *California Institute of Technology, Pasadena, California, United States*

Ahmed Shakeel, *National Geophysical Research Institute, Hyderabad*

Ajai, *Space Applications Centre, Ahmedabad*

Akgun Aykut, *Karadeniz Technical University, Trabzon, Turkey*

Alcik Hakan, *Kandilli Observatory and Earthquake Research Institute, Istanbul, Marmara, Turkey*

Ali M, *National Remote Sensing Centre, Hyderabad*

Anandhi Aavudai, *Kansas State University, Manhattan, Kansas, United States*

Aparna S G, *CSIR – National Institute of Oceanography, Goa*

Arachchige Sachindra, *University of Victoria, Melbourne, Victoria, Australia*

Arora Manohar, *National Institute of Hydrology, Roorkee*

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

Asimakopoulos Demosthenes, *University of Athens, Athens, Greece*

Aslam Mohd, *Department of Applied Sciences and Humanities, Jamia Millia Islamia, New Delhi*

Asthana Deepankar, *Indian School of Mines University, Dhanbad*

Augustine Nico, *GEOMAR, Kiel, Germany*

Azaroual Mohamed, *Bureau de Recherches Géologiques et Minières, Orleans, France*

Baba Alper, *COM University, Cannakhale, Turkey*

Baba Kiyoshi, *University of Tokyo, Tokyo, Japan*

Babu Suresh, *Space Physics Laboratory, Thiruvananthapuram*

Badal J, *University of Zaragoza, Pedro Cerbuna, Sarragosa, Spain*

Baek Jaemeen, *University of Iowa, Iowa, United States*

Bagan Hasi, *National Institute for Environmental Studies, Tsukuba, Ibaraki, Japan*

Bahuguna I M, *Space Applications Centre, Ahmedabad*
Bai Junhong, *Beijing Normal University, Beijing, China*
Bajpai Sunil, *Indian Institute of Technology, Roorkee*
Balaji C, *Indian Institute of Technolgy, Chennai*
Banerjee Santanu, *Indian Institute of Technology Bombay, Mumbai*
Bansal Abhey Ram, *National Geophysical Research Institute, Hyderabad*
Batayneh A, *King Saud University, Riyadh, Senegal*
Beegum Naseema, *National Physical Laboratory, New Delhi*
Behera Mukunda, *Indian Institute of Technology, Kharagpur*
Bera M K, *Indian Institutes of Science Education and Research, Kolkata*
Bera Melinda, *Indian Institutes of Science Education and Research, Kolkata*
Bera Subir, *Calcutta University, Kolkata*
Bernardes-de-Oliveira Mary, *University of Sao Paulo, Sao Paulo, Brazil*
Bhat G M, *Jammu University, Jammu*
Bhate Jyoti, *National Atmospheric Research Laboratory, Tirupati*
Bhattacharya Avik, *Indian Institute of Technology Bombay, Mumbai*
Bhattacharya B K, *Space Applications Centre, Ahmedabad*
Bhattacharya Kathakali, *Indian Institutes of Science Education and Research, Kolkata*
Bhattacharya S K, *Academia Sinica, Taipei, Taiwan, Republic of China*
Bhattacharya Subhamoy, *University of Bristol, Clifton, Bristol, United Kingdom*
Bhosle N, *CSIR – National Institute of Oceanography, Goa*
Bhowmik S K Roy, *India Meteorological Department, New Delhi*
Bhowmik Santanu, *Indian Institute of Technology, Kharagpur*
Bhuyan Pradeep, *Dibrugarh University, Dibrugarh*
Bilham Roger, *University of Colorado, Boulder, Colorado, United States*
Boengiu Sandu, *University of Craiova, Craiova, Romania*
Boese Maren, *California Institute of Technology, Pasadena, California, United States*
Bolch Tobias, *Universität Zürich, Zürich, Switzerland*
Bonacci Ognjen, *University of Split, Split, Croatia*
Booij Martijn, *University of Twente, Enschede, Netherlands*
Borgaonkar Hemant, *Indian Institute of Tropical Meteorology, Pune*
Bose Santanu, *University of Calcutta, Kolkata*
Bottrell Simon, *University of Leeds, Leeds, United Kingdom*
Burlando Maurizio, *Beigua Regional Nature Park – Global & European Geopark, Arenzano, Italy*
Cai Kai, *University of Kentucky, Kentucky, United States*
Carenzo Marco, *Swiss Federal Institute of Technology, Zurich, Switzerland*
Carvalho Alexandra, *LNEC – National Laboratory for Civil Engineering, Lisbon, Portugal*
Césari Silvia, *Museo Argentino de Ciencias Naturales, Buenos Aires, Argentina*

Chakraborty Arindam, *Indian Institute of Science, Bangalore*
Chakraborty Partha Pratim, *Delhi University, Delhi*
Chakraborty Parthasarathy, *National Institute of Oceanography, Visakhapatnam*
Chakraborty Supriyo, *Indian Institute of Tropical Meteorology, Pune*
Chakraborty Debashis, *Indian Agriculture Research Institute, New Delhi*
Chalapatirao N V, *Bananras Hindu University, Varanasi*
Chamyal L, *M.S. University of Baroda, Vadodara*
Chandra Harish, *Physical Research Laboratory, Ahmedabad*
Chandrasekhar E, *Indian Institute of Technology Bombay, Mumbai*
Chatterjee Abhijit, *Bose Institute, Kolkata*
Chattopadhyay Devapriya, *Indian Institutes of Science Education and Research, Kolkata*
Chau K W, *Hong Kong Polytechnic University, Kowloon, Hong Kong*
Chaudhri Naveen, *Panjab University, Chandigarh*
Chauhan Prakash, *Space Applications Centre, Ahmedabad*
Chen Xiaoling, *Wuhan University, Wuhan, China*
Chen Xuelong, *University of Twente, Enschede, Netherlands*
Chen Xun-Hong, *University of Nebraska-Lincoln, Lincoln, Nebrask, United States*
Choi Minha, *Hanyang University, Seoul, Republic of Korea*
Chopra Sumer, *Ministry of Earth Sciences, New Delhi*
Choudhary Rajkumar, *Space Physics Laboratory, Thiruvananthapuram*
Cirilli Simonetta, *University of Perugia, Perugia, Italy*
Clemens Marco, *University of Hamburg, Hamburg, Germany*
Cloutis Edward, *University of Winnipeg, Winnipeg, Manitoba, Canada*
Colomb Aurélie, *University of Blaise Pascal (Clermont-Ferrand), Aubière, France*
Crosta Xavier, *Universitat Bordeaux, Bordeaux, France*
Custodio Emilio, *Technical University of Catalonia, Barcelona, Spain*
Dalai Tarun, *Indian Institutes of Science Education and Research, Kolkata*
Das B P, *Banaras Hindu University, Varanasi*
Das Kaushik, *Bengal Engineering and Science University, Kolkata*
Das Sandip, *Indian Institute of Technology, Guwahati*
Das Subrata, *Indian Institute of Tropical Meteorology, Pune*
Das Trupti, *National Institute for Minerals and Metals, Bhubaneswar*
De Barin, *Central University, Agartala*
Deb Sanjib Kumar, *Space Applications Centre, Ahmedabad*
Delire Christine, *CNRM, Meteo France, Toulouse, France*
Demske Dieter, *Freie Universitat, Berlin, Germany*
Deng Jun, *Chinese Academy of Geological Sciences, Beijing, China*
Deng Z, *Deutsches GeoForschungsZentrum GFZ, Telegrafenberg, Potsdam, Germany*

Devara P C S, *Indian Institute of Tropical Meteorology, Pune*
Dhanya C T, *Indian Institute of Technology, New Delhi*
Dhar Anirban, *Indian Institute of Technology, Kharagpur*
Diez José, *University of Vigo, Vigo, Spain*
Dimri A P, *Jawaharlal Nehru University, New Delhi*
Dobler Andreas, *Freie Universität Berlin, Johann Wolfgang Goethe-Universität, Berlin, Germany*
Dodagoudar G R, *Centre for Earth Science Studies, Thiruvananthapuram*
Dubey Ashok, *Wadia Institute of Himalayan Geology, Dehradun*
Durland Theodore, *Oregon State University, Corvallis, United States*
Dutta Subashisa, *Indian Institute of Technology, Guwahati*
Dutta Suryendu, *Indian Institute of Technology Bombay, Mumbai*
Eden Jonathan, *University of Birmingham, Birmingham, United Kingdom*
Edet Aniekan, *University of Calabar, Calabar, Cross River, Nigeria*
Fadnavis S S, *Indian Institute of Tropical Meteorology, Pune*
Fan Fenglei, *South China Normal University, Guangzhou, China*
Fan Wenjie, *Peking University, Beijing, China*
Farrar Thomas, *Woods Hole Oceanographic Institution, Woods Hole, Massachusetts, United States*
Fischer Alexandre, *Weather and Environmental Monitoring, Environment Canada, Toronto, Canada*
Foster Clinton, *Geoscience Australia, Canberra, Australia*
Franke Christine, *Centre des Geosciences, Mines ParisTech, Fontainebleau Cedex, France*
Gahalaut Vineet, *National Geophysical Research Institute, Hyderabad*
Gandhi M Suresh, *University of Madras, Chennai*
Ganguly Dipnarayan, *National Institute of Ocean Technology, Chennai*
García José L, *Technical University, Madrid, Spain*
Garg P K, *Indian Institute of Technology Bombay, Mumbai*
Garg R D, *Indian Institute of Remote Sensing, Dehradun*
Gautam R, *United States*
Georgia Cua, *ETH Zürich, Schafmattstr, Zürich, Switzerland*
Ghosh Parthasarathi, *Indian Statistical Institute, Kolkata*
Ghosh Subimal, *Indian Institute of Technology Bombay, Mumbai*
Ghosh Sumit Kumar, *Wadia Institute of Himalayan Geology, Dehradun*
Glibert Patricia, *University of Maryland, Maryland, United States*
Gnanaseelan C, *Indian Institute of Tropical Meteorology, Pune*
Goatley Christopher, *James Cook University, Townsville, Queensland, Australia*
Gogoi Mukunda, *Space Physics Laboratory, Thiruvananthapuram*
Gokceoglu Candan, *Hacettepe Üniversitesi, Ankara, Turkey*
Gomo Modreck, *University of the Free State, Bloemfontein, Free State, South Africa*
Gosar Andrej, *University of Ljubljana, Ljubljana, Slovenia*

- Goyal Manish, *University of Waterloo, Waterloo, Ontario, Canada*
- Guan Dexin, *Chinese Academy of Sciences, Shenyang, China*
- Guha Asit K, *India*
- Guhathakurta Pulak, *India Meteorological Department, Pune*
- Guinea A, *University of Barcelona, Barcelona, Spain*
- Gupta I D, *Central Water and Power Research Station, Pune*
- Gupta Vikram, *Wadia Institute of Himalayan Geology, Dehradun*
- Gurubaran Subramanian, *Indian Institute of Geomagnetism, Tirunelveli*
- Guven Aytac, *University of Gaziantep, Gaziantep, Southeastern Anatolia, Turkey*
- Haghshenas Ebrahim, *International Institute of Seismology and Earthquake Engineering, Farmanieh, Tehran, Islamic Republic of Iran*
- Hall Nathan, *University of North Carolina, Morehead City, NC, United States*
- Han Dongmei, *Institute of Geographic Sciences and Natural Resources Research, Beijing, China*
- Hao Yonghong, *Tianjin Normal University, Xiqing, Tianjin, China*
- Haritashya Umesh, *University of Dayton, Dayton, Ohio, United States*
- Hashim Mazlan, *Teknologi University, Kuala Lumpur, Malaysia*
- Hazra Sugata, *Jadavpur University, Kolkata*
- Heinonen Jussi S, *Helsinki University, Helsinki, Finland*
- Herrmann Sylvia, *Leibniz Universität Hannover, Hannover, Germany*
- Hilger Thomas, *Hohenheim University, Stuttgart, Germany*
- Hines Keith, *Ohio State University, Ohio, United States*
- Hobiger Manuel, *Joseph Fourier University, Germany*
- Hoey Andrew, *James Cook University, Townsville, Australia*
- Hu Litang, *Beijing Normal University, Beijing, China*
- Huang Chi-hua, *Purdue University, West Lafayette, Indiana, United States*
- Hussain Faruque, *Assam University, Silchar*
- Ishii Masayoshi, *Japan Agency for Marine-Earth Science and Technology (JAMSTEC), Yokohama, Japan*
- Islam Md Nazrul, *King Abdulaziz University, Jeddah, Saudi Arabia*
- Islam Shofiqul, *Shahjalal University of Science and Technology, Sylhet, Bangladesh*
- Israil Mohammad, *Indian Institute of Technology, Roorkee*
- Iyer K N, *Saurashtra University, Rajkot*
- Jade Sridevi, *CSIR – Centre for Mathematical Modelling and Computer Simulation, Bangalore*
- Jain Deepesh, *Indian Institute of Science, Bangalore*
- Jain S L, *National Physical Laboratory, New Delhi*
- Jain Vikrant, *Delhi University, Delhi*
- Jaiswal Manoj, *Indian Institutes of Science Education and Research, Kolkata*
- Janga Reddy Manne, *Indian Institute of Technology Bombay, Mumbai*
- Jayachandran K P, *Technical University of Lisbon, Lisbon, Portugal*

Jayananda M, *University of Delhi, Delhi*

Jeelani G, *Kashmir University, Srinagar*

Joseph Shijo, *Center for International Forestry Research (Intergovernmental CGIAR Center), Bogor, Indonesia*

Joseph Susmitha, *Indian Institute of Tropical Meteorology, Pune*

Joshi Anand, *Indian Institute of Technology, Roorkee*

Joshi P K, *TERI University, New Delhi*

Jung Hahn Chul, *NASA Goddard Space Flight Center, Greenbelt, MD, United States*

Juyal Navin, *Physical Research Laboratory, Ahmedabad*

Kaban Mikhail, *GFZ Potsdam, Potsdam, Germany*

Kale Vishwas, *University of Pune, Pune*

Kar Sarat, *National Centre for Medium Range Weather Forecasting, Noida*

Karmakar Samarendra, *Bangladesh Meteorological Department, Dhaka, Bangladesh*

Katsumata Kei, *Hokkaido University, Sapporo, Hokkaido, Japan*

Kaul Meenakshi, *Wageningen University, Wageningen, Netherlands*

Kaur Parampreet, *Panjab University, Chandigarh*

Kehl Martin, *University of Cologne, Cologne, Germany*

Khalil Mohamed, *Cairo University, Giza, Cairo, Egypt*

Khalili Malika, *McGill University, Montreal, Quebec, Canada*

Khan Prosanta Kumar, *Indian School of Mines, Dhanbad*

Khandeparker Lidita, *CSIR – National Institute of Oceanography, Goa*

Khanna Param P, *Wadia Institute of Himalayan Geology, Dehradun*

Kikuchi Colin, *U S Geological Survey, Tucson, Arizona, United States*

King Leanna, *University of Western Ontario, Ontario, Canada*

Klusman Ronald, *Colorado School of Mines, Golden, United States*

Korte Monika, *Deutsches GeoForschungsZentrum GFZ, Telegrafenberg, Potsdam, Germany*

Kossobokov Vladimir, *International Institute of Earthquake Prediction Theory and Mathematical Geophysics, Moscow, Russian Federation*

Kosugi Kenji, *National Research Institute for Earth Science and Disaster Prevention (NIED), Shinjo, Yamagata, Japan*

Kothawale D R, *Indian Institute of Tropical Meteorology, Pune*

Krakauer Nir, *The City College of New York, New York, United States*

Krishna Mohan Thamattoor, *Centre for Mathematical Modelling and Computer Simulation, Bangalore*

Krishnamoorthy K, *Space Physics Laboratory, Thiruvananthapuram*

Kulkarni Ashwini, *Indian Institute of Tropical Meteorology, Pune*

Kumar Dileep, *CSIR – National Institute of Oceanography, Goa*

Kumar Dinesh, *Kurukshetra University, Kurukshetra*

Kumar Jyant, *Indian Institute of Science, Bangalore*

Kumar Karnam Kishore, *Space Physics Laboratory, Thiruvananthapuram*
Kumar Kireet, *G.B. Pant Institute of Himalayan Environment and Development, Almora*
Kumar Naresh, *Wadia Institute of Himalayan Geology, Dehradun*
Kumar Pallath, *University of Pune, Pune*
Kumar Pankaj, *Max Planck Institute for Meteorology, Hamburg, Germany*
Kumar S Siji, *Space Physics Laboratory, Thiruvananthapuram*
Kumar Sanjiv, *Center for Ocean–Land–Atmosphere Studies, Calverton, MD, United States*
Kumar Sujay, *GSFC, NASA, Greenbelt, MD, United States*
Kumar V Krishna, *National Centers for Environmental Prediction, Camp Springs, MD, United States*
Kumaran K P N, *Agharkar Research Institute, Pune*
Kunhikrishnan P K, *Space Physics Laboratory, Thiruvananthapuram*
Kushwah Vinod, *R.B.S. College, Bichpuri, Agra*
Larsen I J, *University of Washington, Seattle, Washington, United States*
Laxmanan Elango, *Anna University, Chennai*
Lee Hyongki, *The Ohio State University, Columbus, Ohio, United States*
Lee Saro, *Korea Institute of Geoscience and Mineral Resources, Daejeon, Republic of Korea*
Lee Yong-Keun, *University of Wisconsin, Madison, Wisconsin, United States*
Levy Jonathan, *Miami University, Oxford, Ohio, United States*
Li Cheng Sen, *Chinese Academy of Sciences, Beijing, China*
Li Chun-Hai, *Nanjing Institute of Geography and Limnology, Nanjing, China*
Li Guiying, *Indiana University, Bloomington, United States*
Li Jing, *George Mason University, Fairfax, VA, United States*
Li Zhi, *Institute of Soil and Water Conservation, Yangling, Shaanxi, China*
Liesa Carlos, *University of Zaragoza, Zaragoza, Spain*
Lilley Ted, *Australian National University, Canberra, ACT, Australia*
Lin Lao-Sheng, *National Chengchi University, Taipei, Taiwan, Republic of China*
Lin Yu-Pin, *National Taiwan University, Taipei, Taiwan, Republic of China*
Lisle Richard, *Cardiff University, Cardiff, United Kingdom*
Liu Chen-Wuing, *National Taiwan University, Taipei, Taiwan, Republic of China*
Liu Jian, *Swedish University of Agricultural Sciences, Uppsala, Sweden*
Liu LC, *Chinese Academy of Sciences, Lanzhou, Gansu, China*
Loveson V J, *CSIR – Central Institute of Mining & Fuel Research, Dhanbad*
Lu Chuanhe, *Lawrence Livermore National Laboratory, Livermore, California, United States*
Lu Wenxi, *Jilin University, Changchun, Jilin Province, China*
Machiwal Deepesh, *Central Arid Zone Research Institute, Bhub*
Mahajan A K, *Wadia Institute of Himalayan Geology, Dehradun*
Maiti Saumen, *Indian Institute of Geomagnetism, Mumbai*

Maitra Animesh, *University of Calcutta, Kolkata*

Maity Rajib, *Indian Institute of Technology, Kharagpur*

Majumdar Ranjit Kumar, *Jadavpur University, Kolkata*

Majumder Snehamoy, *Jadavpur University, Kolkata*

Malischewsky Peter, *Institut für Geowissenschaften, Burgweg, Jena, Germany*

Mallya Ganeshchandra, *Purdue University, West Lafayette, Indiana, United States*

Managave Shreyas, *Pondicherry University, Pondicherry*

Manchester Steven, *Florida Museum of Natural History, Florida, United States*

Mandal Nibir, *Jadavpur University, Kolkata*

Manglik Ajay, *National Geophysical Research Institute, Hyderabad*

Manju G, *Space Physics Laboratory, Thiruvananthapuram*

Marbach Thierry, *EUMETSAT, Darmstadt, Germany*

Markonis Yannis, *National Technical University of Athens, Athens, Greece*

Mathew George, *Indian Institute of Technology Bombay, Mumbai*

Mazumder Aninda, *CSIR – National Institute of Oceanography, Goa*

Mehta Manish, *Wadia Institute of Geology, Dehradun*

Menon Harilal, *Goa University, Panjim*

Métivier Laurent, *IGN, Paris, France*

Meyers Gary, *Tasmania, Australia*

Mihai Bogdan, *University of Bucharest, Bucharest, Romania*

Mishra Anoop, *Space Applications Centre, Ahmedabad*

Mishra Biswajit, *Indian Institute of Technology, Kharagpur*

Mitra Ashis, *National Centre for Medium Range Weather Forecasting, Noida*

Mitra Supriyo, *Indian Institutes of Science Education and Research, Kolkata*

Mitsuhata Yuji, *Institute for Geo-Resources and Environment, Ibaraki, Japan*

Mizuyama Takahisa, *Kyoto University, Kyoto, Japan*

Modarres Reza, *University of Quebec, Quebec, Canada*

Mohan Kumar K, *Cochin University of Science and Technology, Kochi*

Mohandes Mohammed, *King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia*

Mohanty William, *Indian Institute of Technology, Kharagpur*

Molina Jose-Luis, *Technical University of Valencia, Valencia, Spain*

Mondal Erfan, *Aligarh Muslim University, Aligarh*

Mondal Sisir, *Jadhavpur University, Kolkata*

Mondal Tuhin, *National Physical Laboratory, New Delhi*

Mrudula G, *National Aerospace Laboratory, Bangalore*

Mujumdar Milind, *Indian Institute of Tropical Meteorology, Pune*

Mukerji Tapan, *Stanford University, Stanford, California, United States*

Mukhopadhyay Joydip, *Presidency University, Kolkata*
Mukhopadhyay Parathasarathy, *Indian Institute of Tropical Meteorology, Pune*
Mukhopadhyay Subir, *Jadavpur University, Kolkata*
Murthy B V K, *National Atmospheric Research Laboratory, Chennai*
Murthy I V, *Andhra University, Visakhapatnam*
Murthy T V R, *Space Applications Centre, Ahmedabad*
Muthukrishnan Suresh, *Furman University, Greenville, South Carolina, United States*
Nagaraja Kamsali, *Bangalore University, Bangalore*
Nagarajan Nandini, *National Geophysical Research Institute, Hyderabad*
Nagesh Kumar D, *Indian Institute of Science, Bangalore*
Naik Pradeep, *Ministry of Municipalities and Agriculture, Budaiya, Bahrain*
Nair Prabha R, *Space Physics Laboratory, Thiruvananthapuram*
Nair Vijayakumar S, *Earth System Physics, ICTP, Trieste, Italy*
Naja Manish, *ARIES, Nainital*
Nambi Indumathi, *Indian Institute of Technology Madras, Chennai*
Nandi Bharati, *Kalyani University, Kolkata*
Nanjundiah Ravi, *Indian Institute of Science, Bangalore*
Narasimhan Balaji, *Indian Institute of Technology Madras, Chennai*
Narayan J, *Indian Institute of Technology, Roorkee*
Nautiyal Prakash, *HNB Garhwal (Central) University, Srinagar*
Nefeslioglu Hakan, *Cumhuriyet University, Sivas, Turkey*
Negi Harendra, *Snow and Avalanche Study Establishment, Chandigarh*
Negi G C S, *G.B. Pant Institute of Himalayan Environment and Development, Almora*
Nichol Janet, *Hong Kong Polytechnic University, Hong Kong*
Niranjan Kandula, *Andhra University, Visakhapatnam*
Niranjan Kumar K, *Indian Institute of Science, Bangalore*
Olivieri Marco, *Istituto Nazionale di Geofisica e Vulcanologia, Ercolano, NA, Italy*
Ottone Eduardo, *Universidad de Buenos Aires, Buenos Aires, Buenos Aires, Argentina*
Oubeidillah Abdoul, *Oak Ridge National Laboratory, Oak Ridge, Tennessee, United States*
Oza Markand, *Space Applications Centre, Ahmedabad*
Oza Sandip, *Space Applications Centre, Ahmedabad*
Padmanabhan N, *Indian Institute Space Science and Technology, Thiruvananthapuram*
Pai D, *India Meteorological Department, Pune*
Pal Dipak, *Jadavpur University, Kolkata*
Pal Supratim, *Presidency University, Kolkata*
Pan Aaron, *Fort Worth Museum of Science & History and Botanical Research Institute of Texas, Fort Worth, Texas, United States*
Pan Ying, *Chinese Academy of Sciences, Beijing, China*

Pandey Arvind, *Birla Institute of Technology, Mesra, Ranchi*

Pandithurai G, *Indian Institute of Tropical Meteorology, Pune*

Pandya Mehul, *Space Applications Centre, Ahmedabad*

Panigrahi M K, *Indian Institute of Technology, Kharagpur*

Pant N C, *University of Delhi, Delhi*

Pant Pitambar, *ARIES, Nainital*

Pant Tarun, *Space Physics Laboratory, Thiruvananthapuram*

Papa Fabrice, *City College of New York, New York, United States*

Papaioannou Agelos, *Education & Technological Institute of Larissa, Greece*

Parli Bhaskar, *CIMA, FCT, Universidade do Algarve, Faro, Algarve, Portugal*

Parvez Imtiyaz, *Centre for Mathematical Modelling and Computer Simulation, Bangalore*

Patel R C, *Kurukshetra University, Kurukshetra*

Patel Satish, *M.S. University, Vadodara*

Pathak Dhundi, *Osaka Sangyo University, Osaka, Japan*

Pathan B M, *Indian Institute of Geomagnetism, Navi Mumbai*

Patil Jagadish, *CSIR – National Institute of Oceanography, Goa*

Patil M N, *Indian Institute of Tropical Meteorology, Pune*

Patra Amit, *National Atmospheric Research Laboratory, Gadanki*

Patranabis Deb, *Indian Statistical Institute, Kolkata*

Pattanaik Chiranjibi, *Salim Ali Centre for Ornithology & Natural History, Deccan Regional Station, Hyderabad*

Pattanaik D R, *India Meteorological Department, New Delhi*

Patwardhan Savita, *Indian Institute of Tropical Meteorology, Pune*

Phadtare Netajirao, *Wai, Maharashtra*

Pisera Andrzej, *Polish Academy of Sciences, Warsaw, Poland*

Podolak Morris, *Tel Aviv University, Tel Aviv, Israel*

Pokhrel Samir, *Indian Institute of Tropical Meteorology, Pune*

Pradhan Biswajeet, *University Putra Malaysia, Serdang, Selangor, Malaysia*

Prakash Satya, *Space Applications Centre, Ahmedabad*

Prakash T N, *Centre for Earth Science Studies, Thiruvananthapuram*

Prasad Manika, *Colorado School of Mines, Golden, Colorado, United States*

Prasad Vandana, *Birbal Sahni Institute of Palaeobotany, Lucknow*

Pujari Paras, *GEM Division, NEERI, Nagpur*

Punthakey Jehangir, *Ecoseal Developments Pty Ltd., Sydney, Australia*

Purnachandra Rao, *CSIR – National Institute of Oceanography, Goa*

Qian Jiazhong, *Hefei University of Technology, Hefei, Anhui, China*

Quack Birgit, *Marine Biogeochemie, Leibniz-Institut für Meereswissenschaften, Kiel, Germany*

Radhakrishna M, *Indian Institute of Technology Bombay, Mumbai*

Radhakrishna T, *Centre for Earth Science Studies, Thiruvananthapuram*

Radovanovic Robert, *SARPI Ltd, Calgary, Alberta, Canada*

Rahman Atiqur, *Faculty of Natural Sciences, Jamia Millia Islamia, New Delhi*

Rahman Hasibur, *Indian National Centre for Ocean Information Systems, Hyderabad*

Rai Shyamsundar, *National Geophysical Research Institute, Hyderabad*

Rajaram R, *Indian Institute of Geomagnetism, Mumbai*

Rajasekhar M, *Sathish Dhawan Space Centre, Sriharikota*

Rajawat A, *Space Applications Centre, Ahmedabad*

Raje Deepashree, *Indian Institute of Technology Bombay, Mumbai*

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*

Rajendran Sankaran, *Sultan Qaboos University, Muscat, Oman*

Rajesh S, *Wadia Institute of Himalayan Geology, Dehradun*

Ram Somaru, *Indian Institute of Tropical Meteorology, Pune*

Ramachandran A, *Anna University, Chennai*

Ramakrishnan D, *Indian Institute of Technology Bombay, Mumbai*

Ramana M V, *CSIR – National Institute of Oceanography, Goa*

Ramanathan Alagappan, *Jawaharlal Nehru University, New Delhi*

Ramasamy Nagarajan, *Curtin University, Miri, Sarawak*

Ramkumar Geetha, *Space Physics Laboratory, Thiruvananthapuram*

Rao B Hanumantha, *Indian Institute of Technology, Bhubaneswar*

Rao N Chalapati, *Banaras Hindu University, Varanasi*

Rao T Narayana, *National Atmospheric Research Laboratory, Gadanki*

Rao V Purnachandra, *CSIR – National Institute of Oceanography, Goa*

Rastogi A, *Indian Institute of Technology Bombay, Mumbai*

Rastogi B, *Institute of Seismological Research, Raisan, Gandhinagar*

Rathore Virendra Singh, *Birla Institute of Technology, Mesra, Ranchi*

Ratnam Venkat, *National Atmospheric Research Laboratory, Gadanki*

Ravichandran Muthalagu, *Indian National Centre for Ocean Information Systems, Hyderabad*

Ravikumar P, *Bangalore University, Bangalore*

Ravindrakumar G R, *Centre for Earth Science Studies, Thiruvananthapuram*

Ray Jyotiskanar, *Calcutta University, Kolkata*

Raza M, *Aligarh Muslim University, Aligarh*

Reddy C Abhirama, *Hyderabad*

Reddy D V, *National Geophysical Research Institute, Hyderabad*

Retallack Gregory, *University of Oregon, Oregon, United States*
Revadekar Jayashree, *Indian Institute of Tropical Meteorology, Pune*
Revil Andre, *Colorado School of Mines, Golden, CO, United States*
Ricka Adam, *RWE Gas Storage, Brno, Czech Republic*
Righini Gaia, *University of Firenze, Firenze, Italy*
Routh Joyonto, *TEMA, Linköping, Sweden*
Roy Chandan, *Linköping University, Linköping, Sweden*
Roy Rajdeep, *Woods Hole Oceanographic Institution, Woods Hole, Massachusetts, United States*
Rozario A, *Narsinha Dutt College, Kolkata*
Runnegar Bruce, *United States*
Sadegov Aleksey, *University of Edinburgh, Edinburgh, United Kingdom*
Saha Subodh, *Indian Institute of Tropical Meteorology, Pune*
Sahai A, *Indian Institute of Tropical Meteorology, Pune*
Sahany Sandeep, *UCLA, Los Angeles, California, United States*
Sahu B K, *Indian Institute of Technology Bombay, Mumbai*
Sahu Lokesh, *University of Tokyo, Tokyo, Japan*
Sajani S, *C-MMACS, National Aerospace Laboratories, Bangalore*
Samal Alok, *University of Kalyani, Kolkata*
Samant Bandana, *RTM Nagpur University, Nagpur*
Samborska Katarzyna, *Institute for Ecology of Industrial Areas, Katowice, Polska, Poland*
Sampei Yoshikazu, *Shimane University, Matsue, Japan*
Sangode Satish, *University of Pune, Pune*
Sanilkumar V, *CSIR – National Institute of Oceanography, Goa*
Sanjeevi S, *Indian Institute of Technology, Kharagpur*
Sano Masaki, *Nagoya University, Nagoya, Japan*
Sanyal Prasanta, *Centre Européen de Recherche et d'Enseignement des Géosciences de l'Environnement, Kolkata*
Sanyal Sanjoy, *Jadavpur University, Kolkata*
Saraswati Pratul, *Indian Institute of Technology Bombay, Mumbai*
Sarkar Bhabesh Chandra, *Indian School of Mines, Dhanbad*
Sarkar S K, *National Physical Laboratory, New Delhi*
Sarkar Shamik, *Jadavpur University, Kolkata*
Sarkar Shantanu, *Central Building Research Institute, Roorkee*
Sarkar Subir, *Jadavpur University, Kolkata*
Sarma V V S S, *CSIR – National Institute of Oceanography, Goa*
Satheesh S K, *NASA GSFC, Maryland, United States*
Sato Katsushi, *Kyoto University, Sakyo-ku, Kyoto, Japan*
Satyanarayana A N V, *Indian Institute of Technology, Kharagpur*

Satyanarayana Mohan, *National Centre for Medium Range Weather Forecasting, New Delhi*
Scherler Dirk, *University of Potsdam, Potsdam, Germany*
Schlütz Frank, *University of Göttingen, Göttingen, Germany*
Schumann Guy, *University of Bristol, Bristol, United Kingdom*
Sen Gupta Aniruddha, *Indian Institute of Technology, Kharagpur*
Sengupta Pranesh, *Bhabha Atomic Research Centre, Mumbai*
Sepehr Adel, *Ferdowsi University Of Mashhad (FUM), Mashhad, Islamic Republic of Iran*
Shabanian Esmail, *Centre Européen de Recherche et d'Enseignement de Géosciences de l'Environnement, CNRS & Aix – Marseille Université, France*
Shahul Hameed A, *Centre for Water Resources Development and Management, Kozhikode*
Shalivahan S, *Indian School of Mines University, Dhanbad*
Shankar R, *Mangalore University, Mangalagangothri*
Shankar Ravi, *Indian Institute of Technology, Roorkee*
Shanker Daya, *Indian Institute of Technology, Roorkee*
Sheel Varun, *Physical Research Laboratory, Ahmedabad*
Shenoi S S C, *Indian National Centre for Ocean Information Services, Hyderabad*
Shenoy Damodar, *CSIR – National Institute of Oceanography, Goa*
Shetye Satish, *CSIR – National Institute of Oceanography, Goa*
Shrestha Maheshwor, *University of Tokyo, Tokyo, Japan*
Shrivastava J P, *University of Delhi, Delhi*
Simaika John, *Stellenbosch University, Stellenbosch, Western Cape, South Africa*
Singh Abhay Kumar, *Banaras Hindu University, Varanasi*
Singh Arun, *Indian Institute of Technology, Kharagpur*
Singh Ashutosh Kumar, *University of Delhi, Delhi*
Singh Lalan, *Geological Survey of India, Hyderabad*
Singh R P, *Space Applications Centre, Ahmedabad*
Singh Sushil, *Space Applications Centre, Ahmedabad*
Singh Vijay, *National Geophysical Research Institute, Hyderabad*
Singh Vimal, *Rajiv Gandhi Institute of Petroleum Technology, Rae Bareilly*
Sinha Ravi, *Indian Institute of Technology Bombay, Mumbai*
Sjoberg L E, *Royal Institute of Technology, Stockholm, Sweden*
Slater Ben, *University of Birmingham, Birmingham, United Kingdom*
Smetacek Victor, *Alfred Wegener Institute, Bremerhaven, Germany*
Smirnova N A, *St. Petersburg University, St. Petersburg, Russian Federation*
Smith George, *Langley Research Centre, NASA, Hampton, VA, United States*
Soni Vijay, *India Meteorological Department, Pune*
Sreeja V, *University of Nottingham, United Kingdom*
Sridharan S, *National Atmospheric Research Laboratory, Gadanki*

Srivatatava Deepak, *Indian Institute of Technology, Roorkee*
Srivastava Hari, *Indian Institute of Remote Sensing, Dehradun*
Srivastava Nishi, *Indian Institute of Science, Bangalore*
Srivastava R K, *Banaras Hindu University, Varanasi*
Subbarao D V, *National Geophysical Research Institute, Hyderabad*
Subrahmanyam D, *Space Physics Laboratory, Thiruvananthapuram*
Sudha Kumari, *Indian Institute of Technology, Roorkee*
Sun Jianqi, *Chinese Academy of Sciences, Beijing, China*
Sundarajan N, *Manonmaniam Sundaranar University, Tirunelveli*
Suresh Ramachandran, *India Meteorological Department, Chennai*
Taori Alok, *National Atmospheric Research Laboratory, Tirupati*
Terranova Oreste, *Istituto di Ricerca per la Protezione Idrogeologica, Rende, Italy*
Thapliyal Pradeep, *Space Applications Centre, Ahmedabad*
Thokuluwa Ramkumar, *National Atmospheric Research Laboratory, Tirupati*
Tiwari Diwakar, *Indian Institute of Geomagnetism, Navi Mumbai*
Tiwari V M, *National Geophysical Research Institute, Hyderabad*
Towhata Ikuo, *University of Tokyo, Tokyo, Japan*
Tripathi J K, *Jawaharlal Nehru University, New Delhi*
Tripathi Shivam, *Indian Institute of Technology, Kanpur*
Tutolo Benjamin, *University of Minnesota, Minneapolis, Minnesota, United States*
Ummenhofer Caroline, *University of New South Wales, Sydney, New South Wales, Australia*
Unnikrishnan A, *CSIR – National Institute of Oceanography, Goa*
Varma Atul, *Indian School of Mines University, Dhanbad*
Venkataraman G, *Indian Institute of Technology Bombay, Mumbai*
Venkatesh A, *Indian School of Mines, Dhanbad*
Vethamony P, *CSIR – National Institute of Oceanography, Goa*
Vijayaraghavan Srivatsan, *National University of Singapore, Singapore*
Vijith V, *CSIR – National Institute of Oceanography, Goa*
Vinayachandran P, *Indian Institute of Science, Bangalore*
Vineeth C, *Space Physics Laboratory, Thiruvananthapuram*
Vinnik Lev, *Institute of Physics of the Earth, Bolshaya Gruzinskaya, Moscow, Russian Federation*
Volkov Darko, *Worcester Polytechnic Institute, Worcester, United States*
Walia Vivek, *National Applied Research Laboratories, Taipei, Taiwan, Republic of China*
Wang Y M, *Pingtung University of Science and Technology, Taiwan, Republic of China*
Warrier C, *Centre for Water Resources Development and Management, Kunnamangalam*
Welch Kathleen, *Ohio State University, Columbus, Ohio, United States*
Weller Andreas, *Clausthal University of Technology, Clausthal, Zellerfeld, Germany*
Wijesekara G, *University of Calgary, Calgary, AB, Canada*

Witte Ursula, *University of Aberdeen, Aberdeen, United Kingdom*
Wright Ian, *University of Western Sydney, Penrith, NSW, Australia*
Wu Ting-Nien, *Kun Shan University, Yung-Kang, Taiwan, Republic of China*
Xie Hua, *International Food Policy Research Institute, Washington DC, United States*
Xiu P, *University of Maine, Maine, United States*
Xu Yongxin, *University of the Western Cape, Bellville, South Africa*
Yadav Girija, *Institute of Seismological Research, Raisan, Gandhinagar*
Yadava Madhusudan G, *Physical Research Laboratory, Ahmedabad*
Yang Gui-Peng, *Ocean University of China, Qingdao, China*
Yidana Sandow, *University of Ghana, Legon-Accra, Ghana*
Yilmaz Isik, *Cumhuriyet University, Turkey*
Yin K, *China University of Geoscience, Hubei, China*
Yin Lihe, *China Geological Survey, Xi'an, Shaanxi Province, China*
Zaimes George, *University of Arizona, Tucson, Arizona, United States*
Zhang Lujun, *Nanjing University, Nanjing, China*
Zhang Xuejin, *University of Miami, Miami, FL, United States*
Zhou Zhekun, *Kunming Institute of Botany, Kunming, China*
Zhu Zhuo-Yi, *East China Normal University, Shanghai, China*