

DEPARTMENT OF PHYSICS

9th PURE EARTH ENVIRONMENT CONFERENCE NOV 2024

PAPER PUBLICATION

The Department of Physics is pleased to share that, under the guidance and encouragement of our faculty, both students and faculty members participated in the 9th Pure Earth Environment Conference. This event, organized by the Pure Earth Foundation on November 23, 2024, in an online format, saw an excellent turnout from students and other participants. The conference featured insightful papers demonstrating a strong interest among young scholars in scientific and technological studies, utilizing satellite data, IT-GIS, AI, and more. The event included engaging discussions on various topics related to the focal theme, "Environment & Forests," showcasing the enthusiasm and dedication of our

New Dates of PEEC 2024 (Nov)
 Submission of full-length paper (2000 words): 10th Nov 2024
 Registration for participation: on or 23rd Nov 2024
 Registration can be done through the below website and also available in the website and facebook page of PEF

Website: www.pureearthfoundation.com
 Reg. link: <https://forms.gle/CoLwQe89wQ48R8d>

Registration Fee
 Free for Participants & Paper Presentations, Rs.300/-for Book.
Sponsorship:
 Sponsorship amount towards the conference is INR 20,000.
 Sponsors name and logo will be displayed and published in the proceedings of the conference. Two delegates of the sponsor will be allowed without registration fee.

Payments
 Payments towards PEEC 2024(April) shall be made by electronic transfer to the Current Ac. No. 2772164045 of PEF at SEI Narasim Hills Branch, Hyderabad, TS code: 582800/1852 or shall be paid through QR code provided below.

2023- Forest Cover of India

9th Pure Earth Environment Conference 2024(Nov)
 (A Bi-Annual National Conference)
FOCAL THEME
 Environment and Forests

VENUE, DATE & TIME
 Online mode on 23rd Nov 2024
 10:00 AM to 05:00 PM

ORGANISED BY
 PURE EARTH FOUNDATION
 IN ASSOCIATION WITH

Chairman Sri. M.V. Krishna Rao IPS
 Vice President, PEF, Former DGP, AP

Co-Chairman Sri. T. Vijay Kumar IAS
 Secretary, PEF, Former SPJ Secretary, Govt of TS

Advisory Committee - PEEC 2024 (Nov)
 Sri K. K. Pappan - In-charge member, PEF, Former Scientist MSC
 Sri P.K. Sharma IAS Member - PEF, Former PCCJ, Shikgaon
 Sri Ann Bimal IAS Member - PEF, Former ADG, MOEF, GOI
 Dr. S. N. Jadhav IAS Member - PEF, Former IAS, APD
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 Sri C. R. Mishra IAS Member - PEF, Former CEA, APD
 Sri E. Venkat Reddy IAS Member - IAS, Hyderabad
 Sri P. Uday Sankar Member - PEF, Former DGP, APD
 Sri B. Ramesh Babu, Member - PEF, Former Addl Director, NHRI, AP
 Sri M.V. Nagender Rao, President, Vidyakanta, Hyderabad
 Dr. Ramesh Reddy, Principal, Chaitanya Institute of Technology & Smart

Organizing Committee - PEEC 2024 (Nov)
 Sri. M. Balakrishna, Joint Secretary - PEF
 Sri. M. Rajendra Naidu, Treasurer - PEF (Education, Training & Awards)
 Dr. V.N. Raju, EC Member - PEF, Former DGP, PCR, Tirunelveli
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 Dr. Vineeth Kumar, Former Scientist, ICMR/NIH, Hyderabad
 Prof. D. Venkat Reddy, IAS, Secularist
 Dr. M.V.S. Gidhath, Professor, Nano Resources, NITJ, Hyderabad
 Dr. D. Prasanna, Asst. Prof., Govt Degree College for Women, Rajamahendravaram
 Dr. Kamal Azad, Member PEF & Project Editor, IT Center
 Dr. R. Ramakrishnaiah, Assoc. Prof., JNUHU, Hyderabad
 Prof. C.K. Jayasankar, UGC BSR Faculty, SV University
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 Sri K. Sriniva Rao, Faculty, SV Veda Mahavidyalaya
 Dr. D. Chandraiah, Faculty, IT, Pakhal
 Dr. M. Aparna Reddy, Faculty, GNTS

2023- Forest Cover of India

Academic Projects & Internships to students
 The eminent & experienced life members of Pure Earth Foundation will guide the students studying for their graduation, PG and PhD. Internship (1 to 6 months) and Academic projects are offered in the following subjects & application areas. The programs are offered in both offline and online modes.

Environmental studies	Earth Sciences
Rural development	Water resources
Forest Management	Urban Planning & Architecture
Municipal Administration	Urban Planning
Agriculture & Aquaculture	Self study management
Civil & Transportation	Mining Engineering
Public Health	Education study & curricula
Social welfare & Welfare	Disaster management
Waste Management	Ecology & Biodiversity

Geo-spatial technologies such as GIS, GPS, Remote Sensing along with various software tools and live inputs from reliable sources will be utilized in the research & project works. Students studying with any academic research institution can engage online as student members by paying Rs.1,000/- as membership fee. All the registered students are eligible to take up the internships & project work guidance at PEF. The registration link is provided in the website www.pureearthfoundation.com

Pure Earth Foundation (PEF)
 Pure Earth Foundation is an environment concerned charitable society formed by a professional group of eminent Scientists, Retired, Bureaucrats, Environmentalists and Technocrats with a common motive to educate and create awareness about the dangers of climate change, environmental degradation and the detrimental impact of human activities on our planet's ecosystem. With immense knowledge and experience, PEF organizes educational and awareness programs for students on environmental issues, advancement in technologies and sustainable development. With a depth of experience, PEF team is capable of supporting projects of the state or national governments, in watershed, municipal implementation, soil characterization studies, mapping of surface & ground water potential, forest-growth prediction, biodiversity balancing, neo-conventional energy utilization and initiatives for a pollution free environment.

Membership of Pure Earth Foundation
 Any individual or institution can become Life / Institutional member by agreeing to the rules and regulations framed under the bylaws of the foundation and by paying Membership Fee of INR 5000/- (Five Thousand).

Pure Earth Environment Conference (PEEC)
 PEF has initiated the Pure Earth Environment Conference (PEEC) in the year 2019 to encourage the younger generation towards constructive research and innovation in the scientific and technological aspects of any or all activity connected with sustainable development and environmental conservation. PEEC encourages paper presentations exclusively from students and scholars. This conference is organized bi-annually on third days in the 4th Saturday of April and November months every year.

PEEC 2019: The 1st Pure Earth Environment Conference was organized on 15 Nov 2019 at NIMSMS campus, Hyderabad. 23 Research papers on the focal theme of "Environment and Clean Energy" were presented by students from various institutions. More than 100 participants have participated in the conference.

PEEC 2020: Both Conferences were cancelled due to COVID-19.

PEEC 2021-24: The 2nd, 3rd and 4th Pure Earth Environment Conferences were successfully conducted with focal themes of "Environment & Health", "Environment & Education", "Environment & Agriculture" on 24-24-2021, 25-11-2021 and 07-4-2022 respectively in online mode and the 5th 6th & 7th conferences with "Environment & Water", "Environment & Traditional knowledge systems" and "Environment & Biodiversity" as focal themes were organized specially at Sreejai Health Institute (Hyderabad), Jeevachari, Nellore, Andhra Pradesh and Free Arts University and Govt. Degree College for Women, Rajamahendravaram on 24th Nov 2022, 28 & 29th April 2023 and 24 & 25th Nov 2023. The 8th conference was organized in online mode on 26th April 2024. Several Academicians, Scientists, Professionals and Administrative officials from various organizations of different States have extended their support in Honorary Guests and Chair persons the technical sessions of these conferences. Presentation of 154th Research papers was the highest number in the conferences, but the 6th & 7th Pure Earth Environment Conferences were conducted on two days each due to large response from the students. Top best papers were awarded with cash prizes and a well composed conference Proceeding Books with the content of all the full length selected papers were provided to the students & participants of all the conferences. The soft copy of the proceedings will be made available in our website "www.pureearthfoundation.com".

PEEC 2024 Nov : Environment & Forests
 PEEC 2024(April) will be organized on 23rd Nov 2024 in online mode as default and timely decision on the venue if included will be informed to the participants. The focal theme of the conference is "Environment and Forests". The conference will address various socio-environmental issues connected with different types of Forests & their proper management can pave earth to conserve natural resources, rain water soil fertility, reduction of pesticides, preservation & restoration of water resources, eco friendly housing & living, natural ways of food production and sustainable development etc. Students can submit their full length research papers related to local theme and sub-themes listed below. Best

PEEC 2024 (Nov) Sub Themes

- Sustainable Forest Management
- Biodiversity and Environment Management
- Classification of Forest Cover and Change analysis
- Role of Forests in Environmental and Climate Changes
- Flora, Fauna and wild life management
- Management of Forest Fire, land slides and other disasters
- Satellite Sensing, GIS & GPS technologies in Forest management and development
- Forest produces for socio economic development
- Rafting, Forest Administration, Forest protection
- Need for urban/social community & family forests
- Impact of urbanisation, industrialisation and infrastructure development on forest cover
- Forest Ecosystem - an environmental necessity
- Forest settlements, Tribal life, traditions and welfare
- Rules, regulations and laws in Forest protection & use
- Forest development - Tourism sites, National parks, Temples, water falls, natural formations
- Carbon storage and sequestration by forest cover
- Forest as traditional health care - Ayurvedic and traditional values
- Debris between forest and revenue lands, Joint forest management
- Forest intrusion - compensatory afforestation
- Mineral and Energy resources associated with Forests
- Forest Conservation - Act, methods and implementation
- Forest education, research and institutions
- Importance of forests for human life and health on planet earth

Call for Papers
 Only full-length Research papers are invited from students and scholars on the above sub themes and their related topics for presentation in PEEC 2024(Nov). The papers shall not exceed 2000 words and only in word document.doc format with complete details of authors (including address, email and phone no) shall be sent to the conference on or before 10th Nov 2024. The research papers shall be submitted via email to pureearthfoundation@gmail.com

students.

The details of the papers presented and published at the conference are provided here and have also been uploaded to the website for your reference.

18. Biodiversity and Environment Management- E. Padmavathi, R. Kalyani, M. Hari Kumar Reddy, P. Usman Basha, SJDC, Kurnool. Page No.: 165

28. Importance of forests for human life and bio- life on planet earth –P. Danunjaya Rao, B. Shankar Babu, E. Karthik, K. Tirumalesh, S. Afshan Anjum.- SJDC, Kurnool. Page No. : 172

29. Sustainable forest management-B. Asha Jyothi, D. Srilekha, P.Pranay Narayana, BT Subash Naidu - SJDC, Kurnool. Page No. : 154

The following link directs you to the book containing the conference proceedings, complete with an ISBN number: 978-93-95854-02-3

<https://drive.google.com/file/d/1KqPCrdbIum7GwAf7WoFT6TSVQzzmT-Kw/view?usp=drivesdk>