



Vidya Prasarak Mandal's

B. N. BANDODKAR COLLEGE OF SCIENCE, THANE

NAAC re-accredited 'A' grade,
Best College Award, University of Mumbai,
Recipient of FIST 'O' Level Grant from DST, RBNQA Commendation Certificate,
Recipient of grant for DBT Star College Scheme,
Selected as College with Potential Excellence

Multidisciplinary International Conference on GREEN EARTH: A PANORAMIC VIEW

12th and 13th January 2018

Organized by

DEPARTMENT OF BOTANY

VPM's B. N. Bandodkar College of Science, Thane



In collaboration with
Birbal Sahani Institute of Palaeosciences, Lucknow
Bombay Natural History Society (BNHS), Mumbai



Venue

Thorale Bajirao Peshwe Sabhagruha
VPM's B. N. Bandodkar College of Science
'Jnanadweepa', Chendani, Thane (W), Maharashtra, India 400601

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PREAMBLE

"The language of nature is an eternal language of creation. It penetrates reality to reach the deepest layers of our consciousness; it draws upon a language that has survived thousands of years with the human; it is the musical instrument of nature; it replicates the rhythm, inherent in life itself. If we listen carefully we will be able to trace within them the murmurs of eternity where the spirit of liberation, peace and beauty lurk, it reminds us of the sea that is shantam, shivam, advaitam; it reminds us of our bonds with the world; if we can accept this music of the wild within us, we can perceive the great music of oneness, in this hotel of Vienna, I thus often fondly remember the flora and the fauna of my household at Shantiniketan" ("Introduction", to Bonobani, Rabindra Rachanavali, Vol. 8, 87, translations mine).

Nature is an integral part of our life and we are surrounded by the beauty of nature. We find large green fields with grasses, meadows, the woods, colourful flowers and the forest filled with green trees, green earth is a sight to behold, only we should have eyes to perceive them. A tiny speck in the extraordinarily enormous universe, earth is the only planet in the solar system with land, water and air. Earth has the unique conditions of having atmosphere, gravitational force, a strong magnetic field and surface temperature conditions that support life. Whether it is flora or fauna, what is common on the planet is that it is a common abode for all of us. Every language has its own name for our planet. Our planet is called "*Prithivi*" in Hindi and Marathi, "*terra*" in Italian and Portuguese, "*terre*" in French, "*dünya*" in Turkish, "*Earth*" in English, etc. But as diverse as these names are, "*Earth*" remains home to all of us."

Throughout history, great thinkers in cultures and civilizations, scholars, educators, scientists, philosophers, astronomers and mathematicians have tried to unravel the mysteries of planet Earth. Earth gives life and it is a home to billions of plants and animals. She is also referred as "Green Earth" because plants and trees thrive on her. Yet what was? What is? And what will be of our green earth depends on? Do we know her? Do we respect our Mother Earth? Are our actions in balance and harmony with Mother Earth? And where do we go from here? Do we know that we must first be aware of flora and fauna, their history and their role in the current status, because for any kind of stability, sustainability and for any worthwhile conservation efforts we should be well versed with our green earth? Green earth is deeply connected with native flora and fauna yet resource extraction continues to shake the geography and economic future of the land. Since time immemorial, biological science has been helping mankind towards fulfillment of every need. Sustainable utilization and application of biological assets requires knowledge about their variety and diversity. Revolving around the central theme of green planet, the prime areas of interest of the conference will be a multidisciplinary approach, based on past and work on present trends to build a better future.

Vidya Prasarak Mandal, a premier educational trust was established in August 1935 in Thane, Maharashtra, India. It was the dream of the founder member Late Dr. V. N. Bedekar to create an "Island of Knowledge" ('*Jnanadweepa*') in Thane for people in and around Thane. VPM's B. N. Bhandodkar college of Science was established in 1969. It is one of the prime institutes offering science education from Junior College to Doctorate levels. Department of Botany, well-equipped for under graduates, post-graduate and doctoral studies, has successfully organized National Conferences on themes of Human Health and Nutrition-A Biotechnological Approach (2004), Orchids Genetic Diversity: Conservation and Commercialism (2009), Evolving Scientific Terminology in Environmental Sciences in Regional Language (2011), National Conference on New and Emerging Trends in Bioinformatics and Taxonomy 'NETBT 2015'. Department of Botany in January 2018 celebrates mother earth with "Multidisciplinary International Conference on Green Earth: A Panoramic View". We will explore the past and move towards the future, we will walk the path, in present and in such times of awareness we will bring in a new consciousness by gifting us a novel beginning to enjoy all the wonders of green earth.



ABOUT CONFERENCE AND ITS OBJECTIVES

- The conference will consist of two pre-conference workshops, keynote address, invited talks, oral and poster presentations.
- This conference is a platform for Researchers, University/College Professors, Technologists, NGOs, and Enthusiasts to cross boundaries and present their work.
- Earth has myriad facets, hence the objective of conference are;
- To share insights on unraveling the past, deciphering the present and predicting the future of green earth.
- To scrutinise how to reinforce regional and global accountability towards planet earth.
- To mitigate the pressure between economic and environmental sustainability.
- To correlate humanities with scientific values to strengthen and uphold harmony.
- [Details of the conference can be viewed on http://www.vpmthane.org.](http://www.vpmthane.org)

THEMES

- **Agricultural Science: Agri-classical:** Biota and biosphere interactions, Agriculture policy design and proposals, Crop improvement technology, Forecasting in agriculture, Sustainable life-stock farming, Aqua-farming, Poultry farming, Weed science, Apiculture, Dairy farming, Agro-ecology. **Agri-trends:** Food security, Safety and storage, Horticulture, Crop insurance, Green economy and Banking, Green technology and economics, Post-Harvest Technology, Ethics in Agriculture, Agro-technical process, Hydroponics, Crop statistics, Tourism, Ecotourism, Urban planning, Global warming and agriculture, Paradigm shift in agricultural science, soil profiling, soil healthcard.
- **Bio-Sciences: Golden era:** Developmental Biology, Evolution of flora and fauna; their interaction with environment, Mythology of green earth, Ethnobotany and exploitation, Paleo sciences, Balanced use of fossils and renewable resources, Palynology, Past vegetation history and Climate reconstruction, Role of Ayurveda in human welfare and health care, Herbal science, Indian system of medicine, Herbarium. **Contemporary era:** Cell biology, Animal handling (ethics and other issues), Animal Science, Biochemistry/ Immunology, Bioinformatics tools, Biotransformation technology, Botanical gardens –new challenges, new policies, new models, modern harvesting technology, Neurobiology and Toxicology, Forensic science, Global biodiversity and conservation, Global change and medicinal evolution, Forestry, Phytochemistry, Limnology and Plankton ecology, Mimicry in plants, Pharmacognosy/pharmacology, Recent Trends in Genetic Engineering, Molecular biology, Proteomics and genomics, Artificial intelligence, Bio-robotics, Role of microbes on green planet, Cosmetology, Shifting paradigms in biological science, Stress Biology, Green economy, Taxonomy and chemotaxonomy, Toxicology, Patenting, Biosciences research - biotechnology perspective, Hydrology.
- **Bio-Physics:** Cellular Biophysics, Molecular Biophysics, Biophysical techniques, Molecular modeling and web designing, Nano-biophysics, Physiological Biophysics, Power Crises and Alternative Green Power Resources, Biophysics in drug discovery, Shifting paradigms in biophysics, IT Based modeling, Bioinstrumentations, Biosensor, Bioelectronics.
- **Enviro-management:** Mangrove and Mangrove protection, Protected area status, Invasive alien species coordination, Plastics and bioplastic, Bioaccumulation, Bio-reclamation and bioremediation, Pollution and waste management, Waste prevention, Bio-composting, Water resources and its management, Pollution control devices and technology, Noise pollution, Energy conservation and environment, Energy issues, Biofuels and bioenergy, Renewable energy and sustainable energy policies, Environment modelling and remote sensing, Shifting paradigms in environmental science, Environmental law and safety to save our green earth, Enviro-education, Recent advances in enviro-management.
- **Green chemistry:** Green materials, Green industrial processes, Greener approach in medicinal chemistry, Green bioprocesses, Green energy, Molecular innovations, Use of less hazardous and less toxic chemicals, Sustainability safety and measures, Green policy.
- **Humanities:** Spiritual aspects and science, Holistic healing, Preventive medicine, Alternative medicine, Role of meditation in human welfare and community development. Psychology and human behavior, goLiterature and sociology, Social and community studies, Civics and political studies, Community development, Public administration psychology and human behavior, Economics, Literature and sociology, Human resources management, Global economy, Meditation and psychology.

Logo credit : Ms. Monal Chitnis

CORRESPONDENCE

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Organizing Secretary

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IMPORTANT DATES AND DAYS

1 st Preparatory Workshop	10 th July 2017	Monday
2 nd Preparatory Workshop	11 th November 2017	Saturday
Submission of Abstracts	Latest by 12 th October 2017	
Submission of Full Length Papers	Latest by 12 th November 2017	
Conference Dates	12 th and 13 th January 2018	Friday and Saturday

REGISTRATION CHARGES

	On or before 11 th November 2017	Spot Registration
Students	Rs. 1500	Rs. 2000
Academic delegates	Rs. 3500	Rs. 4000
Industry/Professionals/NGO's	Rs. 5000	Rs. 6000
Participants outside India	USD 150	USD 200

- ✓ DD should be drawn in favour of "Principal, B. N. Bandodkar College of Science, Thane" payable at Thane
- ✓ Online payment: B. N. Bandodkar College of Science, Bank of India Ac. No.: 004310110000002; IFSC Code: BKID0000043 Branch: Shivaji Path, Thane.
- ✓ Accommodation for outstation delegates would be made available on prior request only. The charges for the same would have to be paid separately.
- ✓ Registration charge is inclusive of conference and two preparatory workshops.
- ✓ A letter of acceptance will be sent to the participating author(s) on acceptance of the paper to facilitate them to get the visa and attend the conference. However, it is the responsibility of the individual participants to do the whole process in the Indian Embassy located in their region. International participants must undertake medical, life and disability insurance before leaving their respective country for covering entire health and disability risks.

SUBMISSION REQUIREMENTS

- ✓ All communications will be with the corresponding author.
- ✓ All participants must register by paying the full registration fees as applicable.
- ✓ Presentations that advertise commercial products will not be accepted; however if you have a commercial product to exhibit or market, please contact the college.


ENTITLEMENT OF REGISTERED DELEGATES

- ✓ Entry to all sessions of the conference, inclusive of preparatory workshops
- ✓ Conference stationery
- ✓ Receipt of payment
- ✓ Technical support for paper presentation
- ✓ Certificate of participation/ presentation

BENEFITS OF ATTENDING CONFERENCE

- ✓ Conference papers are peer reviewed by experts in respective field, rapidly processed for publication in the proceeding having ISBN number. Proceeding is distributed to delegates during the conference.
- ✓ Papers are also published in electronic format and made available to the international scientific community through VPM's website <http://www.vpmthane.org>

Sr.No.	Places of interest and distance from Thane city in km	Distance from VPM's B.N. Bandodkar College of Science Thane in km	
1	Khaneri Caves	30	Thane railway station
2	Elephant Caves	45	Chhatrapati Shivaji
3	Matheran	65	Terminus Railway station
4	Murud-Janjira Fort	165	LokmanyaTilak Terminus (LTT) railway station
5	Mahabaleshwar	240	
6	Ajanta Ellora Caves	300	Chhatrapati Shivaji International/ Mumbai Domestic Airport



The weather is generally cool and pleasant with daytime temperature of around 27°C and night-time temperature of around 17°C in the month of January.

GUIDELINES FOR AUTHORS

- ✓ English is the official language of the conference.
- ✓ Each manuscript will undergo standard scientific review process before being accepted.
- ✓ All submissions must be by email (greenearthbnb@gmail.com) attachment in MS word.
- ✓ The paper should be in A4 format. Left, right, top and bottom margins should be 2.00 cm each.
- ✓ Title - Font size should be 14-point Times New Roman, capital letters, bold and center. A blank line should be left after the title. Names of authors should be provided below the title. Do not put rank e.g. Dr., Prof., etc. Font size should be 10-point Times New Roman, center. In case of more than one author, please underline the presenting author and notify corresponding author with asterisk (*) mark. Affiliations/Address and e-mail font size should be 10-point Times New Roman, center.
- ✓ The abstract should be a summary of the paper (maximum 200 words) along with 4-5 keywords. Font size should be 12-point in Times New Roman, in single space and justified.
- ✓ Full length paper should be maximum 4 pages. Font size throughout the paper should be 12-point in Times New Roman, in single space and justified. One blank line should be allowed between the components of the paper (i.e. INTRODUCTION, MATERIALS AND METHODS, RESULTS AND DISCUSSION, CONCLUSION, ACKNOWLEDGMENT and REFERENCES). Headings should be upper case and bold. Do not give page numbers for the paper. Graphics and pictures should be prepared in black and white. For titles of tables, graphics and pictures, sentence case should be used, with font size 10 point and font style should be Times New Roman. Abbreviations should comply with the standard use. They should be given in full format at the first place they are used. SI units should be employed where applicable. Complete References (alphabetically arranged) should be listed at the end of the paper. References and citations within the text should be prepared in the APA format.

✓ Refer the following format to write references -

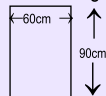
Pirke, S. and Saha.M. (2014). Evaluation of preliminary phytochemical properties and antioxidant activity: *Lawsonia inermis* L. *Bionano Frontier*, **7(2)**: 231-234.

Sternberg, R. S. (1988). The psychologist's companion: A guide to scientific writing for students and researchers (2nd ed.). New York, NY: Cambridge University Press.

- Papers will be scanned by committee of experts and may be sent for revision if required and Volume of proceedings with ISBN will be published. Only abstracts will not be accepted.
- All Participants must register for the conference. Authors should register at time of submission of paper and also submit undertaking of originality and copyright agreement failing which the paper will not be accepted.

• **Oral paper:** Power point presentation

• **Poster presentation:** Poster size 90 cm (vertical) X 60cm (horizontal)



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International Conference on
Multidisciplinary International Conference on Green Earth: A Panoramic View
12th and 13th January, 2018

Registration Form

Name of the Participant:

Student Faculty Industry

Designation:

Institute Address:

Contact: Personal: Office:

Email:

For Student: Please fill up the following details.

Undergraduate Postgraduate Doctorate

Name of the College:

Subject: Class:

Payment options: Cash/DD date & Number :

Other details:

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I/we certify the contents of the research paper as my/ our original work.

Signature/s of Author/s:

Name and Designation:

Organization:

(Photocopies of this form will also be accepted)

Conferences / Workshops / Seminar Conducted in Last Five Years

Year	Department	Topics
2016-17	Biotechnology and Microbiology	International Conference on "Emerging Technologies For Sustainable Agriculture"
2015-16	Zoology and Environmental Sciences	International Conference on "Ecosystem Services of Wetlands 'Ardrabhumi 2016'"
2014-15	Department of Botany	National Conference on 'New and Emerging Trends in Bioinformatics and Taxonomy' NETBT2015
2013-14	Zoology and Environmental Science	National Conference on "Biodiversity: Status and Challenges in Conservation FAVEO 2013"
2012-13	Information Technology	National Conference on "FUTECH 2013"
	Chemistry	National Conference on "Phytochemistry: Recent Trends and Challenges"
	Mathematics	National Seminar on "Recent Research Trends in Mathematics"
2011-12	Biotechnology	National Conference on Biotechnological Diagnosis
	Chemistry and Research Committee	National Seminar on "Avenues on Scientific Research Proposal Grants"
	Botany	National Seminar on "Evolving of Scientific terminology in Environmental Science in regional language."
	Information Technology	National Conference on "Cloud Technology"

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1. Dr. Bedekar Vidya Mandir (Marathi Medium School)
2. Sou. A. K. Joshi English Medium School
3. B. N. Bandodkar College of Science
4. K. G. Joshi College of Arts
5. N. G. Joshi College of Arts
6. VPM's TMC Law College
7. VPM's Dr. V. N. Bedekar Institute of Management Studies
8. VPM's Polytechnic
9. VPM's Advanced Study Centre
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11. VPM's Centre for Foreign Language Studies
12. VPM's Department of Defense and Strategic Studies
13. VPM's London Academy for Education and Research
14. VPM's Academy of International Education and Research
15. VPM's Maharshi Parshuram College of Engineering, Velheshwar
16. VPM's Centre for Career and Skilled Development

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To,



Vidya Prasarak Mandal's

B. N. Bandodkar College of Science

Department of Botany and Research Committee

'Jnanadweepa', Chendani Bunder Road,

Thane (W) 400601. Maharashtra