Tentative Program

International Conference on Biodiversity and Ecological restoration

UNDER THE THEME OF

Restoration of degraded Ecosystems

May 15-16, 2019

Brussels, Belgium

Biodiversity-2019

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Title: Biochar Utilization: Emerging Technology for Improving Soil Productivity and Mine Spoils Remediation
Gilbert C. Sigua, USDA, USA

Abstract: Utilization of a Biochar with appropriate chemical and physical characteristics is crucial for effective binding of heavy metals while also improving plant growth conditions in the mine spoils
Biography: Dr. Gilbert C. Sigua is a Research Soil Scientist at the United States Department of Agriculture (USDA), Agricultural Research Service (ARS), Center Coastal Plains Soils, Water and Plant Research Center, Florence, South Carolina, USA. He works collaboratively with other ARS units, Soil and Water Conservation Districts, universities, the Natural Resources and Conservation Service (NRCS). His professional activities have resulted in over 175 scientific publications



Title: Research Center on Metagenomics and Bioprospecting in the Cerrado Biome
Divaldo Rezende, Institute of Ecologica, Brazil

Abstract: The environmental conditions that enable the development of ecotone unique gene pools probably hold immeasurable potential for biotechnology. However, the biotechnological potential associated with this diversity is still mostly unknown as the Amazonian savannas have been poorly studied
Biography: Divaldo Rezende is an accomplished Senior Executive and Consultant with more than 30 years of success across the environmental services, energy, and financial services industries. He also served as a Consultant to the United Nations from 2000 to 2013, working on programs in sustainable development.



Title: Biodiversity of Beneficial Arthropods in tropical tuber crops Ecosystem in India
M.S. Palaniswami, Sugarcane Breeding Institute, India
Abstract: Beneficial arthropods found in these crops are largely the natural enemies of the insect and mite pests..Conservation and utilization of indigenous parasitoids and predators are paramount necessity and can provide a long term sustainable ecologically safe pest management
Biography: M.S. Palaniswami is a Research Advisory Member of the ICAR“ Sugarcane Breeding Institute, Coimbatore and ICAR Central Potato Research Institute, Shimla, India and is the Chief Editor of the journal ENTOMON published by the Association for Advancement of Entomology



Title: Ecodegradation & Ecorestoration : Coastal Mangrove Ecosystem , West Bengal, India

Susanta Chakraborty, Vidyasagar University,India

Abstract: The present paper will highlight1)Assessment of existing biodiversity , ecological services and trend of changes during last two decades 2) Identification of causative factors, leading to ecodegradation and biodiversity loss;3) Evaluation of already undertaken eco-restoration efforts and their impact in the present studied environment 4) Chalking out restoration strategies adhering to the underlying ecological principles.

Biography: Susanta Kumar Chakraborty, Professor of Zoology. He has been associated with a number Scientific Bodies in India as Life Members, and Reputed Journals as a member of editorial bodies .He has received a number of awards in recognition of his research commitments.

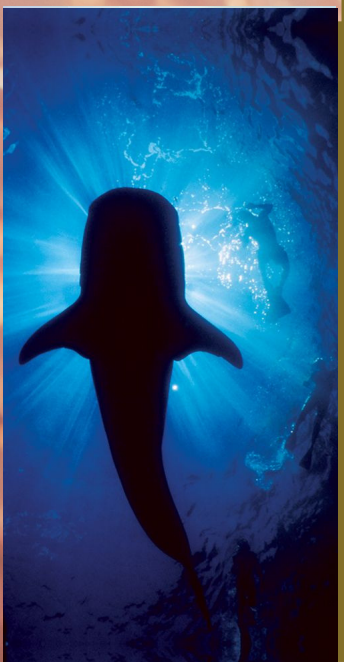


Title: Intraspecific trait variation improves species response to neighborhood crowding and abiotic factors

Zhanqing Hao, Institute of Applied Ecology, China

Abstract: Intraspecific trait variation can significantly improve the predictive ability of functional traits and more accurately reflect the response of trees to neighborhood composition and abiotic factors.

Biography: Zhanqing Hao focused on the biodiversity and ecosystem functions.As one of the Chinese scientists who participated in biodiversity research, he initiated the establishment of 25ha temperate permanent monitoring forest plot in Northeast China at 2004, which is the earliest established temperate forest plot in china



Title: Illegal, Unreported and Unregulated (IUU) fishing and the impact on small coastal communities in Africa

Alex Cornelissen, Sea-Shepherd Organization, USA

Abstract: Foreign fishing fleets are causing massive damages to local fish populations and local artisanal fishermen are reporting ever declining catches, putting their food security at risk. Over the past two years, these cooperations have resulted in the arrest of over 50 vessels and for the first time in decades local catches are increasing again.

Biography: Captain Cornelissen has participated in more than 25 Sea Shepherd campaigns, including five trips down to the Antarctic to stop the Japanese whale poachers. He served nonstop on board the ships until the end of 2007 when he started working as the Director of Operations in the Galapagos Islands



Title: Aquatic Plant systems for sustainable Wastewater treatment: Indian case studies

Goutam Kumar banerjee, Indian Institute of Technology(IIT), India

Abstract: The growth of duckweed is so rapid that harvesting would result in revenue earning by generating biogas or selling as fish, animal or poultry feed. The density of plant species in the respective ponds was found, when fully grown

Biography: Goutam Kumar Banerjee held Atlantic LNG Chair Professor position in Environmental Engineering at The University of The West Indies. He served for many organizations like Member of task force of GWP-South Asia, Member of selection committee of IIT,etc.,



Title: Biodiversity as an economic value for the protection of ecosystems

Oldemar Junior , Ekko Brazil Institute, Brazil
Alesandra Bez Birolo, Ekko Brazil Institute, Brazil

Abstract: Biodiversity represents the information of the ecosystem reflected in the diversity of the species. It also results in a large input of grants from sponsors, driving most of the research in the area. These results show that the local government strategy, focused only on water extraction is not a good one. Tourism conservation based on natural assets, for example, could be much more attractive.

Biography: Oldemar Carvalho Junior, oceanographer, has his expertise in Neotropical otters, energetic modeling and physics of the environment. Alesandra Bez Birolo, oceanographer, has his expertise in Neotropical otters, energetic modeling and physics of the environment

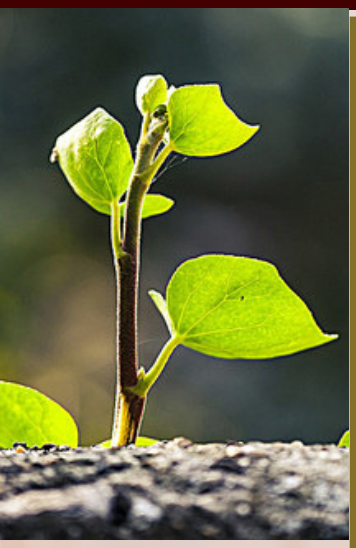


Title: Ecological Value of Rainforest Trees Species in Plantain (Musa sp) Plantation in Ondo State, Nigeria

Kolawole F. Farinloye,Lead City University, Nigeria

Abstract: The trees were observed to be supporting the micro-climate of the plantations. There is urgent need for studies to come up with ingenious ways of ensuring the well being of the ecosystems.

Biography: Kola Farinloye is a seasoned writer, academic and agripreneur/environmental consultant for almost a decade. He participated in the Avitourism trials at the Awba-Dam Tourism Centre, University of Ibadan wherein new avian species were introduced



Title: The Economic Consequences of Poor Soil Health in Vineyard Properties around the World

Marlon Schwienbacher ,University of Vienna, Austria

Abstract: The free roaming sheep are influencing plant species composition and richness of the two grazed glacier foreland sites, while the ungrazed special protected area did not show any of these patterns. Additionally, it was found that sheep highly favour areas closer to hiking trails, indicating that these anthropogenic infrastructures indirectly effect the surrounding vegetation.

Biography: Marlon is a young conservation biologist, dedicated the last 3 years and his masterthesis at the University of Vienna to the topic of alpine wilderness



Title: Genetic Diversity of Sphenostylis stenocarpa (Hochst ex. A. Rich) Harms Accessions in based on Inter-Simple Sequence Repeat (ISSR) markers

Catherine V. Nnamani, Ebonyi State University, Nigeria

Abstract: The study revealed wide variation among the African yam bean accessions in Ebonyi State indicating ample opportunity for genetic improvement of the species.

Biography: Catherine is working at Ebonyi state University, who is more focused on Genetic diversity and Ecology



Title: Effect of heavy metal on Pinna nobilis distribution southern Mediterranean Sea: Bizerte lagoon

Sarra Abidi,university of Tunis El Manar,Tunisia

Abstract: Despite the pressures generated in Bizerte lagoon, the P. nobilis populations remain important, in fact, conservation programs need to be established to protect species

.**Biography:**Sarra Abidi is a Tunisian PhD student in Biology at the University of El Manar Tunis (Tunisia), member of the laboratory of diversity management and conservation of biological systems. As part of her Ph.D. studies, she focuses contribution of the malacofauna in biomonotoring of southern Mediterranean lagoon: Bizerte lagoon and in quantifying industrials impacts that causing heavy metals pollution in aquatic ecosystems. Interested in assessing the implications of environmental policies on aquatic environment quality, energy use and human health.



Title: Impact of the defense system on the rehabilitation of a steppe in the arid region of Stitten willaya El Bayadh, Algeria

Razi Sabah, University of Biskra, Nigeria

Abstract: The results obtained showed clear differences between the stations placed in defense and the free station, the density of vegetation and species richness is the most important in the first station. While in the free-range station, the Alfa has completely disappeared, which indicates the degradation of the steppe. While the regeneration of the Alfa is very important and dominant in the station put in defens.

Biography: Razi Sabah, is a phd scholar in teh department of Agricultural science at University of Biskra



Title:Urban woodlands as outlier populations for forest migration under climate change

Qiyao Han, Queen's University Belfast, UK

Abstract: We suggest that tree species should be strategically relocated to the city in front of their natural ranges, in order to facilitate the process of forest migration.

Biography: Qiyao Han holds an undergraduate and master's degree in Landscape Architecture. Currently, she is an Architecture PhD student at the School of Natural and Built Environment, Queen's University Belfast, working on "Mapping the flow of forest migration through the city under climate change", funded by the China Scholarship Council



Title: Maritime transport and Aquaculture as an inadvertent vectors of amphipod species occurring in Bizerte lagoon (North Tunisia, South Mediterranean Sea)

Marwa khammassi, University of El Manar Tunis , Tunisia

Abstract: The development of navigable water network and the commercial transport of aquaculture species has opened the lagoon both to international trade and introduction of non-indigenous species. This is particularly relevant to the Bizerte lagoon where the introduction of NIS has involved a variety of vectors and pathways that have changed over time.

Biography: Marwa khammassi is a Tunisian PhD student in Biology at the University of El Manar Tunis (Tunisia), member of the laboratory of diversity management and conservation of biological systems.His research mainly dealt with characterizing the distribution of benthic macrofauna marine traffic-related in southern Mediterranean lagoon (Tunisia, Bizerte lagoon).



Title- Diversity and microhabitat preference of reptiles in lowland forest of Sambonotan Watershed, Dinagat Island of Northeastern Mindanao

1.Erl Pfian T. Maglangit, Mindanao State University, Phillipiness
2.Olive Anie, Mindanao State University Phillipiness
3. Obaida Omar,Mindanao State University ,Phillipiness

Abstract: Resutls of this study mainly provides a strong emphasis on association of microhabitats and factors that influence their occurrence. Protection and conservation of the area is highly recommended since the watershed is the major source of the Tubajon water system and a stronghold of endemic and threatened reptiles. Information gathered will be used as baseline data in generating future action plans for the proper management of the watershed.

Biography: Erl, Pfian is a phd scholar joined Philippines Biodiversity Conservation Foundation Inc. as Field Projects Coordinator and Wildlife Biologist for Polillo and Negros Island, Recently, he joined a survey together with Herpwatch Philippines in Mt. Apo at Energy Development Corporation (EDC) last October 2018.

Olive Anie is a researcher at Mindanao State university, who is much interested in Ecology and Forest.

Obaida Omar is a researcher at Mindanao State university, whose area of research interest is Forests and Ecology



Title: Restoration of Degraded Areas in Local Regions: A Synergistic Approach of Scientific and Traditional Conservation Initiatives

Dickson Adam, Kumasi-Ghana

Abstract: The study has shown that the tactful synergy of scientific and traditional conservation approaches forges the best weapon in biodiversity conservation projects such as the restoration of degraded areas, especially in local territories.

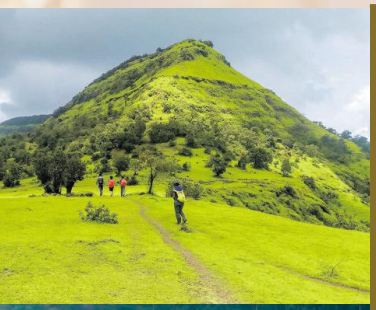
Biography: Dickson Adom is researcher in Biodiversity Conservation and Environmental Studies. He undertakes studies in International Conventions related to Biodiversity Conservation, Protected Areas and Ecosystem. He is with the Department of Educational Innovations in Science and Technology of the Kwame Nkrumah University of Science and Technology in Kumasi, Ghana.




Title: Analysis of 3α,11β-dihydroxy-CM profile for indicator of stress on Three Male javan rhinoceros in Ujung Kulon National Park
Adhi Rachmat Hariyadi, PT Hatfield Indonesia

Abstract: This research also suggests that the deficit in energy intake per body weight (%) and water limitation are among the biggest sources of stress for rhinoceros population in Ujung Kulon National Park, as shown by the increase in glucocorticoid metabolite in feces. This finding also suggests the possibility for using this metabolite as indicator of stress, thus allowing stress monitoring using fecal samples.

Biography: Adhi Rachmat Hariyadi has 20 years of experience as a biodiversity practitioner with specialization in wildlife conservation and management.




Title: Diversity in spices crops of Central Western Ghat of India
Laxminarayan Hegde, University of Horticultural Sciences, Bagalkot

Abstract: The state of Karnataka that is located in the central Western Ghat is one the major spice growing states of India with a production of 5, 37,460 tons in an area of 2, 50,925 ha (Spices Board, 2017). A brief record on the diversity observed in these major crops are reported here.

Biography: He is a Scientist (Horticulture) in ICAR, NewDelhi under Agricultural Research Service. He was awarded the JuniorResearch Fellowship of the Indian Council of Agricultural Research(ICAR). He is the SchemeHead of AICRP on Spices and voluntary center for cocoa under AICRP onPalms at Sirsi, handling different trials on crop improvement andproduction of spice crops.



Title: Diversity of Bats (Chiroptera: Mammalia) in Eastern Ghats of Odisha, India : An Ecological Perspective
Sharat K. Palita, CUO, Odisha, India

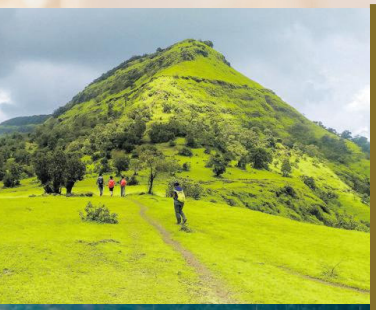
Abstract: The findings on distribution pattern of different bat species of this study can be used in future studies with respect to increasing anthropogenic activities and to develop appropriate conservation plans.

Biography: Prof. Sharat Kumar Palita has expertise in studies on ecology, diversity and distribution pattern of bats, birds in natural forest ecosystem. He has also worked on diversity and distribution of mangrove fauna i.e. brachyuran crabs, mudskippers and anuran amphibians





Title: Ecology and conservation of India's rarest fruit bat, Latidens salimalii
Govindasamy Agoramoorthy,Tajen University, Taiwan
Abstract: 250 bats inside a funnel-shaped cave. These rare bats need urgent conservation measures and more studies are needed to locate their entire distribution range.
Biography: Govindasamy Agoramoorthy is Distinguished Research Professor at College of Pharmacy and Health Care, Tajen University, Taiwan. His research includes multidisciplinary aspects of health sciences. He has carried out field research in Asia, Africa, and South America over three decades





Title: Discovery and Classification of New Tardigrade species found in Indian biodiversity hot spots using Foldscope
Yashas Devasurmut,Dayananda Sagar College of Engineering, India
Abstract: Tardigrades are now the focus of Astrobiologists from around the world. Therefore, these have become the ideal animal models for space travel. They have been applied as research subjects in Transplantology and dry vaccines. Future research would help in more applications of tardigrades in the field of Astrobiology.
Biography: Yashas Devasurmutt is a Research Assistant in Department of Biotechnology at Dayananda Sagar College of Engineering, Bangalore, India. He is currently discovering and trying to classify Tardigrades (Water Bears) in the Biodiversity hotspots on the Indian subcontinent



Title: Distribution and ecological impact of exotic woody plant species inside sacred groves of Northwestern Ethiopia
Amare Bitew Mekon, Bahir Dar University, Ethiopia
Abstract: To preserve these sacred groves which are the remnant reservoirs of native plants diversity from the exotic hazard, the traditional management of the forests should be strengthened.
Biography: Amare Bitew Mekonnen is from 1Department of Biology, Bahir Dar University, Ethiopia, who has more Interest towards Ecology Research



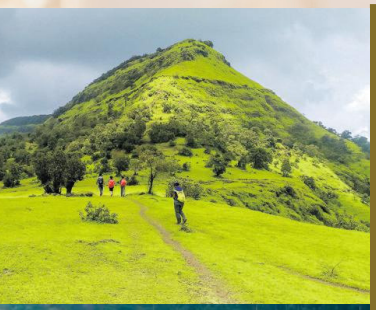


Title:Applying manure improves haricot bean response to phosphorus on acidic soils, eastern Ethiopian highlands

Gebreyohannes Girmay, Mekelle University, Ethiopia

Abstract: Combined application of manure and mineral phosphorus can double haricot bean yield while improving the C:N ratio and nutrient availability of Nitisols found in the Ethiopian and other tropical highlands of Africa.

Biography: Gebreyohannes Girmay has his expertise in soil fertility management systems focusing on exploring techniques for improving soil quality and health. He teaches and advices post graduate students in the soil science, dryland ecology and resource management, dryland agronomy, sustainable watershed management, and dryland agroforestry and land restoration programmes in Mekelle University, Ethiopia





Title:Community BioBank: Thailand Initiative for Sustainable Bioeconomy

Natthiya Kongphuthorn, Biodiversity-Based Economy Development Office, Thailand

Abstract: Tardigrades are now the focus of Astrobiologists from around the world. Therefore, these have become the ideal animal models for space travel. They have been applied as research subjects in Transplantology and dry vaccines. Future research would help in more applications of tardigrades in the field of Astrobiology.

Biography: Community BioBank serves as one of the mechanisms driving conservation and utilization of bioresources through community's participation. This, together with rules and principles for sustainable resource conservation, will serve as a crucial instrument in generating income for the people.



Title: Species diversity, distribution and habitat association of birds in Menze-Guassa Community Conservation Area, Central Highlands of Ethiopia

Yihenew Aynalem, Addis Ababa University, Addis Ababa, Ethiopia.

Abstract: ecological investigation is suggested in the seasonal abundance of birds, and population dynamics of wildlife for biodiversity conservation and ecotourism

Biography: Yihenew Aynalem, from Addis Ababa University, Addis Ababa, Ethiopia and Interested in Biodiversity and Ecology research



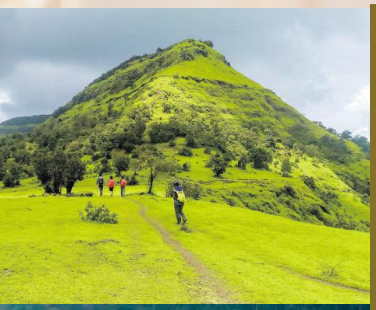


Title:Squash Print Reverse Transcription-Loop Mediated Isothermal Amplification assay for detection of Potato leafroll virus in single aphid and in potato

Baswaraj Raigond, Central Potato Research Institute, India

Abstract: To the best of authors' knowledge, SP-RT-LAMP assay is the first report for detection of PLRV in single aphids which was found to be simple, rapid and sensitive. Can be used to generate data on viruliferou's aphids, virus-vector interaction, epidemiology and in forecasting system which can help in taking up timely management practices to ensure healthy seed potato production

Biography: Dr Baswaraj Raigond has expertise in development of "Diagnostic assays against potato viruses" for augmenting Healthy Seed Potato Production





Title:Restoration of Biodiversity on Mining Wastelands and Carbon Sequestration using Microbe Assisted Phytoremediation Technology

Sanjeev Kumar Singh, CCSIR-National Environmental Engineering Research Institute, India

Abstract: The overall average carbon sequestration rate of reclaimed mine land in Gumgaon is found to be 889.216 KgC/ha/day. The above findings may help the industries to achieve CDM status through afforestation of degraded lands as per the guidelines of United Nations Framework Convention on Climate Change (UNFCCC).

Biography: Sanjeev Kumar Singh, is a Principal Scientist, Environmental Biotechnology at CSIR



Title: Development of IT Enabled Tool for Monitoring the worldwide use of Biological Resources from India

Mithilesh D Kandalkar, Technical Expert, GIZ, India

Abstract: eHence NBA is now seeking to enhance its capacity to monitor the utilization of Indian bio-resources and associated traditional knowledge with the help of an IT based monitoring tool.

Biography:Mithilesh holds a Master's degree in Rural Management from Xavier Institute of Management, Bhubaneswar. He has experience in establishing Agriculture Value Chains, specifically for horticulture crops across Maharashtra, Gujarat, Andhra Pradesh & Telangana. Prior to GIZ,

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