



GAVIN CONFERENCES



International Conference on Environmental Sustainability and Climate Change

April 22–23, 2019 | Osaka, Japan

Gavin Conferences

5911 Oak Ridge Way, Lisle, IL 60532 , USA

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Scientific Program

Day 1

April 22, 2019

9:00 – 09:30 Registrations



GAVIN CONFERENCES 09:30 – 10:00 **Opening Ceremony**

Keynote Forum

- 10:00 – 10:30 **Nian She**
Guangzhou University, China
- 10:30 – 11:00 **Jun Xia**
Director, Research Institute for Water Security (RIWS), Wuhan University, China

Coffee Break: 11:00 - 11:15

- 11:15 – 11:45 **Masayuki Sakakibara**
Research Institute for Humanity and Nature, Kyoto, Japan
- 11:45 – 12:15 **Shoichiro Ozaki**
Ehime University, Japan

Scientific Sessions

- 12:15 – 12:40 **Energy Nation, Energy Planet: Navigating the global energy transition**
Harrie Vredenburg, University of Calgary, Haskayn, Canada
- 12:40 – 13:05 **Findings of integrated assessment model simulations towards sustainability**
Shunsuke Mori, Tokyo University of Science, Japan

Lunch Break: 13:05 – 14:00

- 14:00 – 14:25 **Tackling global challenges: Trade, climate change and sustainable energy in the context of the WiseGRID project**
Rafael Leal-Arcas, Queen Mary University of London, United Kingdom
- 14:25 – 14:50 **Recovery planning for damaged terrestrial ecosystems**
Matrah A. Almutairi, Kuwait Institute for Scientific Research, Kuwait
- 14:50 – 15:15 **Sustainable urban design for Downtown area with snow and wind simulations for winter cities**
Setoguchi Tsuyoshi, University of Hokkaido at Sapporo, Hokkaido, Japan
- 15:15 – 15:40 **Carbon Dioxide Capture using novel green solvents**
Inas M. AlNashef, Khalifa University of Science, Masdar City Campus, Abu Dhabi, UAE
- 15:40 – 16:05 **Techniques and methods of artificial intelligence to improve the economics of electrical energy storage**
Arjan Sidhu, Johns Hopkins University, Washington D.C., United States

Coffee Break: 16:05 - 16:20

- 16:20 – 16:45 **Lead Isotopic and morphological analysis of atmospheric dust in Panzhihua City, Southwest of China**
Yi Huang, College of Environment, Chengdu University of Technology, Sichuan, China
- 16:45 – 17:15 **Mexican-Caribbean: Sargassum bloom and its origin, evolution, and integral management in the short, medium and long term**
Norma Patricia Muñoz Sevilla, National Polytechnic Institute, Mexico
- 17:15 – 17:40 **Waste to wealth**
N.Gomathi, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science & Technology, India
- 17:40 – 18:05 **An Overview on Biofuels from Ab Initio and DFT Computations**
Ahmed El-Nahas, Menoufia University, Egypt

Panel Discussion

Day 2

April 23, 2019

Keynote Forum

10:00 – 10:30 **Lyuba Varticovski**
National Cancer Institute, NIH, Bethesda, USA

10:30 – 11:00 **Masaaki Morikawa**
Hokkaido University, Sapporo, Japan

Coffee Break: 11:00 – 11:15

11:15 – 11:45 **Bill X Hu**
Jinan University, Guangdong, China

11:45 – 12:15 **Govinda R. Timilsina**
World Bank, Washington, DC, United States

Scientific Sessions

12:15 – 12:40 **Forest plantations, between sustainability, climate change and controversies**
Amelie Robert, University of Tours, CNRS, France

A smart low-cost network to assess air quality impacts from harbour activities

12:40 – 13:05 **Alessandro Zaldei**, National Council of Research - Biometereology Institute (CNR-IBIMET), Italy

Lunch Break: 13:05 – 14:00

14:00 – 14:25 **Are we buying the future we want? Public procurement in the context of sustainability and climate change mitigation**

Paula Cayolla Trindade, LNEG – National Laboratory of Energy and Geology, Portugal

14:25 – 14:50 **Environmental sustainability of the air transport sector: the bio jet potential**

Lorena Mendes de Souza, Brazilian Agency of Oil, Natural Gas and Biofuels (ANP), Brazil

14:50 – 15:10 **A Smart Cities Application: The Capannori Environmental Living Lab**

Lorenzo Brilli, National Council of Research - Biometereology Institute (CNR-IBIMET), Italy

15:10 – 15:35 **Solubility of Chlorophenols in Ionic Liquids**

Inas M. AlNashef, Khalifa University of Science, Masdar City Campus, Abu Dhabi, UAE

15:35 – 16:00 **Vegetation dynamics and the implications for ecosystem service values changes using satellite derived MODIS NDVI in Nepal**

Binod Baniya, University of Chinese Academy of Sciences (UCAS), Beijing, China

Coffee Break: 16:00 – 16:15

Video Presentation

16:15 – 16:40 **Forest fires: an anthropogenic environmental emergency**
Jaime Senabre, University of Alicante, Director of SINIF, Spain

Poster Presentations

P – 101 **Study on the problems and causes of Township coal mining based on the concept of Sustainable Development**

Jiang Wei, Zhongnan University of Economics and Law, China

P – 102 **Spatiotemporal variations in n-alkane from the southern inner shelf sediment of the Korea: Implications for Holocene paleovegetation and climate change**

Sangmin Hyun, Korea Institute of Ocean Science and Technology (KIOST), South Korea

P – 103 **Safety and Microbiological Evaluation of Plant Residues and Total Mixed Rations (TMRs)**

Mohammad Alotaibi, Kuwait Institute for Scientific Research (KISR), Kuwait

P – 104 **Room temperature removal of CO₂ using electrogenerated homogeneous [Co₁+(CN)₅]₄-electron mediator at electroscrubbing**

Il-Shik Moon, Suncheon National University, Republic of Korea

Closing Ceremony & Awards Presentation