

abstract. *Selected Papers presented in the conference will be published in a Scopus-indexed international journal.*

#### Plagiarism policy

To avoid plagiarism, authors are requested to submit their original and unpublished research work, which is not under consideration for publication elsewhere. *Manuscripts found to be plagiarized during any stage of review will be rejected.*

#### Accommodation

Accommodation will be provided on request and on payment basis at University guest house located in the campus or nearby hotels. Request for accommodation should be made in advance by submitting a duly filled in registration form in the attached format.

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#### Venue

**Bansuriguru Auditorium**

Faculty of Engineering & Technology (ITER), SOA

## National Conference On Recent Advances in Energy, Environment and Health for Sustainable Development (RAEEHSD-2019)

Oct 18-19, 2019



Organized

by

Department of Chemistry

Environmental Science Programme

Siksha 'O' Anusandhan

(Deemed to be University)

Bhubaneswar- 751030, Odisha, India



## About the Workshop

National Conference on Recent Advances in Energy and Environment for Sustainable Development” (RAEEHSD-2019) will be held in S’O’A (Deemed to be University) Bhubaneswar, India on October 18-19, 2019, to share the ideas on technological innovation in Energy and Environment for long-term solutions that ensures sustainability. Energy and environment are closely related issues in the whole world. The rapid growths of the technology and industrial boom causes indiscriminate use of fossil fuels and thus promote enormous environmental damage i.e. excessive production of green house gases consequently pollute soil, air and water and causes serious human health hazards. Further, international reserves of crude oil, coal, natural gas are declining; therefore, it is highly indispensable to develop novel sources of renewable energy and specially fuels from sustainable sources. Effective treatment of industrial wastewater, contaminated soil, air and its reuse is a critical problem in a developing country like India. Scientist around the globe engaged in intensive research to develop a suitable long lasting, stable and sustainable technology. Nearly five decades of intense research efforts have been expanded in this exercise by many researchers, but still the solution appears to be elusive. The conference will provide a forum to:

- Exchange of latest technological innovations
- Disseminate of the high-quality research outcome
- Present of the latest developments in the area
- Discuss the future global development on energy security, environmental safety and Health.

RAEEHSD-2019 will provide a unique platform to eminent professionals, researchers and scientists, academicians and entrepreneurs from worldwide to promote research and developmental activities in energy and environment and further to promote scientific information exchange worldwide to the soundest issues related to “Recent Advances on Energy and Environment for Sustainable Development” (RAEEHSD-2019).

## Scope of the Workshop

The objective of this workshop is to bring together experts from academic institutions, industries and research organizations from across the country to share knowledge, expertise and experience in the emerging fields of research related to the multidisciplinary recent advances to achieve sustainable development.

## Major themes of RAEEHSD-2019 but not limited to:

- Green Chemistry, Photochemistry, Phytochemistry
- Polymer and Synthetic Chemistry, Sustainable Materials
- Nano-materials and Nano-technologies
- Separation Technology
- Water Quality, Water Pollution and Treatment Techniques
- Bioremediation and Phyto-remediation
- Solid and Hazardous Waste Management
- E-waste and Plastic Waste Management
- Air Pollution and Air Quality Control

- ⊙ Ecosystem Assessment and Restoration
- ⊙ Toxicology Assessment of Health and Environment
- ⊙ Physical Sciences and Health Sciences
- ⊙ Physiology, Pharmacology and Bacteriology
- ⊙ Agricultural Biotechnology
- ⊙ Biofuels/ Biofuels Cells
- ⊙ Hydrogen Fuel Cell and Energy Storage Materials
- ⊙ Solar Energy, Photovoltaic Technology
- ⊙ Environmental Remote Sensing/GIS Applications
- ⊙ Innovative Construction Methods
- ⊙ Water Resources Planning and Management
- ⊙ Problematic Soils and Ground Improvement
- ⊙ Sustainability and Geo-environmental Engineering
- ⊙ Rainwater Harvesting Analysis and Design

## Presentation

The conference will include: Invited Talks, Oral presentation, Poster Presentation.

## About the University

Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar declared u/s 3 of UGC Act, 1956 is a leading University in India offering professional programmes in the disciplines of Master of Sciences, Engineering, Medicine, Dental Science, Nursing, Pharmaceutical Science, Biotechnology, Management, Law, Hotel Management and Agricultural Sciences. The university offers a vibrant atmosphere for teaching – learning, research & development and socially inclusive extension activities through all its undergraduate and post graduate programmes. Today Siksha 'O' Anusandhan (Deemed to be University) has emerged as one of the fastest growing university in the country.

True to its mandate to pursue contemporary and interdisciplinary research this comprehensive and multi disciplinary university is actively spearheading research in emerging area of Technology, Medicine, Science and Management. With current strength of 583 research scholars, 15 post docs and a large pool of post graduate students along with a focused groups of faculty members, the research programmes across different disciplines and 13 research centres in the University have produced visible dividend in the form of 4767 publications with 3697 SCOPUS indexed (h-index-44) and other reputed indices, some of which are in high impact factor bracket (3-9). Recent initiatives in the field of Intellectual Property Right (IPR) have thus far yielded filing of 60 patents. The strong R & D base, increasing number of research scholars and vigorous research activities being undertaken and planned are all set to reach a milestone, transforming this university in near future into one of the forefront research centres in the country.

Based on its all round performance, this University has been awarded ranks among top 25 in the country in University category by National Institutional Ranking Framework (NIRF) of Ministry of Human Resources & development (MHRD), Govt. of INDIA consistently for last three years, surpassing many State & Central University/IIT's/Institute of high learning. In 2018-19 it has been declared 24th Best in University Category, 38<sup>th</sup> Best in Overall Institute and 19<sup>th</sup> Best Medical College in the country. This is the only University in Odisha to have achieved such accolade.

Approved by UGC & AICTE, it has been re-accredited by the NAAC with A-Grade and has obtained the International Accreditation by ABET, USA and certification by IAO, URS, UK.



## Travel Information

The university is situated at Bhubaneswar, the capital city of Odisha. It is well connected by air, rail and bus. It is hardly 5 km away from the airport, 8 km from the railway station and 3 km from the bus stand. In October the weather is pleasant with an average temperature of 25-30 °C.

## Important Dates

Last date of Abstract Submission	<b>10.09.2019</b>
Intimation of Acceptance	<b>17.09.2019</b>
Last date of Registration	<b>10.10.2019</b>
Last date of Submission of Full Paper	<b>20.11.2019</b>

## Registration Fee

Registration Fee is to be paid in cash only on spot.  
Student and Research Scholars: **Rs. 1000/-**  
Faculty and Post Doctoral Fellow: **Rs. 1500/-**

## Abstract Submission

The details regarding the preparation of one page abstract can be found at the end of this announcement. Authors are requested to submit their abstract(s) through email attachment (MS word) to: [raeehsd2019@soa.ac.in](mailto:raeehsd2019@soa.ac.in). Acceptance of the abstracts will be notified through e-mail. There will be both oral and poster session. Scanned copy of duly filled in Registration form should be sent only after acceptance of the

