International Journal of Swarm Intelligence and Evolutionary Computation

Young Research Forum

In-situ conversion of nanoflakes to nanoflowers

Schoukens Dterli

Spinel structure metal oxides provides the effective perfor-mance towards the electro-catalytic analysis. Among the spinel structure metal oxides, ZnCo2O4 has effective in the area of photocatalyst, gas sensor, li- ion batteries, supercapacitors and electro-oxidation. The performance of direct methanol fuel cells hinges on the activity of the catalyst. To enhance the elec-tro-catalytic activity, a flower-like nanostructure of ZnCo0O4 assembled on nickel foam (NF) via microwave irradiation pro-cess, the whole process was finished within 15 min.

The electrochemical oxidation of MeOH was also observed at higher concentration of MeOH up-to 4.0 M (0.5, 1.0, 2.0, 3.0 and 4.0 moles). The high electrochemical performance is main-ly attributed to faster ion/electron transfer and an enhanced electrochemical kinetics. The present simple, and cost-effective synthesis approach can open new era for large-scale applica-tions of the novel materials for different electrochemical ap-plications.

Smart Materials 2020 and upcoming conferences will recognise participants who have significantly added value to the scientific community of environmental science and provide them outstanding Young Scientist Awards. The Young Scientist Award will provide a strong professional development opportunity for young researches by meeting experts to exchange and share their experiences at our international conferences.

Smart Materials 2020 focuses mainly on Optical, Magnetic & Electronic materials, Graphene, polymer technology, Emerging smart materials, Material synthesis , Smart Materials conference operating committee is providing a platform for all the budding young researchers, young investigators, post-graduate/Master students, PhD. students and trainees to showcase their research and innovation.

ELIGIBILITY

Young Scientists, faculty members, post-doctoral fellows, PhD scholars and bright Final Year MSc and M.Phil. Candidates. Persons from Scientific Industry can also participate.

Benefits

The Young Scientist Feature is a platform to promote young researchers in their respective area by giving them a chance to present their achievements and future perspectives.

- Acknowledgement as YRF Awardee.
- Promotion on the conference website, Young Researcher Awards and certificates.
- Link on the conference website.
- Recognition on Meetings Int. Award Page.
- Chances to coordinate with partners around the world.
- Research work can be published in the relevant journal without any publication fee.

Criteria

- All presented abstracts will automatically be considered for the Award.
- All the presentation will be evaluated in the conference venue.
- All the awards will be selected by the judges of the award category.
- The winners of the Young Scientist Award will receive award certificate.
- The awards will be assessed as far as plan and format, intelligence, argumentation and approach, familiarity with past work, engaging quality, message and primary concerns, parity of content visuals, and by and large impression.

Guidelines

- All submissions must be in English.
- The topic must fit into scientific sessions of the conference.
- Each individual participant is allowed to submit maximum 2 papers.
- Abstract must be submitted online as per the given abstract template.
- Abstracts must be written in Times New Roman and font size will be 12.
- Abstract must contain title, name, affiliation, country, speakers biography, recent photograph, image and reference.

Conditions of Acceptance

To receive the award, the awardee must submit the presentation for which the award is given, for publication at

Schoukens Dterli
Department of Polymer technology, Ghent University, Belgium
E-mail: Schoukensd@ugent.be

the website, along with author permission. Failure to submit the PPT, and permission within the designated timeframe will result in forfeiture of award.

Award Announcements

Official announcement of the recipients will occur after the completion of Smart Material conference.