



World Association for Scientific Research and Technical Innovation

Email: info@wasrti.org

Dear WASRTI Members,

Thank you for your interest and support in our organization. WASRTI now has over 5256 members from 45 countries. We are happy to launch our first newsletter for our Association. Here are some of the glimpses of our current and upcoming endeavors.

International Collaborations:

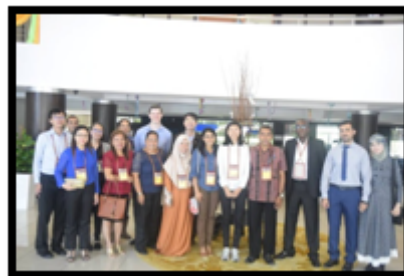
WASRTI has recently signed International collaborations with the following:

1. International Journal of Supply Chain Management (Scopus indexed), (London),
2. International Journal of Learning, Teaching and Educational Research, (Mauritius),
3. Research SEA, Asia Research News, (UK),
4. Linton University College, KTG Group, (Malaysia).

We would be glad to have MoUs and collaborations with your department/society/organization.

Singapore & Malaysia Conference

We have successfully organized our conferences in Singapore and Malaysia, which were held in May, June, & July 2016 at universities Rumah Kelab PAUM Clubhouse (Persatuan Alumni Universiti Malaya), Kuala Lumpur, Malaysia and Nanyang Technological University, Nanyang Executive Centre, Singapore with the support of GRDS (Global Research & Development Services). In these conferences, around 186 colleagues participated across the globe. We would like to thank all our participants and our supporters of our conferences.



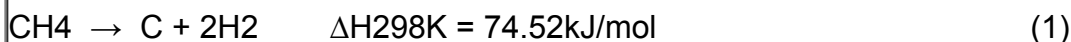
Editorial



Dr. U.P.M Ashik (Research Assistant, Department of Chemical Engineering, University of Malaya, Kuala Lumpur, Malaysia)

Title: Hydrogen: A Complete Green Energy for Impending Aeon

Hydrogen and nanocarbon are the two most emerging research topics in the field of environmentally benign energy and material science, respectively. These two treasured products can be simultaneously produced by methane transformation in a single step chemical approach. Hydrogen, the simplest, the lightest and the most abundant element in the known universe appears to be one of the auspicious energy carriers. There has been an intense research effort on this topic in recent years. Hydrogen is supposed to play a pertinent role as an energy vector in the near future mainly because of two reasons. Firstly, it can be produced from renewable raw materials such as water, biomass, or biogas. Secondly, it generates water as the only by-product during its combustion and oxidation. Furthermore, hydrogen produces three times higher quantity of energy (39.4kWh.kg⁻¹) during its combustion than that produced by any other fuel on a mass basis, e.g. liquid hydrocarbons (13.1kWh.kg⁻¹). Various hydrogen production method were developed, such as bio-hydrogen production, steam reforming of methane, partial oxidation, coal gasification, water splitting, biomass gasification, and thermochemical processes. Among them, methane cracking attracted as a novel technique for eco-friendly hydrogen production. In this moderately endothermic process, methane is thermally decomposed to solid carbon and gaseous hydrogen in a technically simple one step process as shown in equation (1).



The prime benefit of methane cracking is the near elimination of greenhouse gas release. Furthermore, nano-carbon, of possible interest for a variety of potential further applications, such as gas (e.g. hydrogen) storage, polymer additives, catalyst support or direct catalyst, is the co-product in methane decomposition process.

Invited Speakers

We are pleased to announce that distinguished colleagues **Dr. MD. Aminur Rahman**, **Dr. Md. Mamun Habib**, and **Dr. Nader Ale Ebrahim**, who have joined the conference as

keynote speakers:



Dr. MD. Aminur Rahman (Institute of Bioscience, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor, Malaysia)



Assoc. Prof. Dr. Md. Mamun Habib (Associate Professor, BRAC Business School, BRAC University, Bangladesh)




Dr. Nader Ale Ebrahim (Research Support Unit, Centre for Research Services, Institute of Research Management and Monitoring (IPPP), University of Malaya, Malaysia)

Upcoming WASRTI Conferences:

- [6th International Conference on Envirotech, Cleantech and Greentech \(ECG\)](#)
- [6th International Conference on Researches in Science and Technology \(ICRST\)](#)
- [7th International Conference on Envirotech, Cleantech and Greentech \(ECG\)](#)
- [7th International Conference on Researches in Science and Technology \(ICRST\)](#)
- [8th International Conference on Envirotech, Cleantech and Greentech \(ECG\)](#)
- [8th International Conference on Researches in Science and Technology \(ICRST\)](#)
- [9th International Conference on Envirotech, Cleantech and Greentech \(ECG\)](#)
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- [10th International Conference on Envirotech, Cleantech and Greentech \(ECG\)](#)
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- [11th International Conference on Envirotech, Cleantech and Greentech \(ECG\)](#)
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- [12th International Conference on Envirotech, Cleantech and Greentech \(ECG\)](#)
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- [13th International Conference on Envirotech, Cleantech and Greentech \(ECG\)](#)
- [13th International Conference on Researches in Science and Technology \(ICRST\)](#)
- [14th International Conference on Envirotech, Cleantech and Greentech \(ECG\)](#)
- [14th International Conference on Researches in Science and Technology \(ICRST\)](#)

OUR JOURNAL (Call for Papers)

 <p>MATTER: International Journal of Science and Technology is an open access, single blind, peer reviewed</p>	<p>MATTER: International Journal of Science and Technology</p> <p>Authors are cordially invited to submit papers for the upcoming edition Regular Issue Volume 2, Issue 03, November - 2016.</p> <p>Regular Issue Vol. 2 Issue 3</p> <p>Submission open for November - 2016</p> <p>Last Date of Submission: September 15, 2016</p> <p>Journal Website: http://grdspublishing.org/journals-MATTER-home</p> <p>You may easily submit paper via email on editor@grdspublishing.org.</p> <p>We are indexed into:</p> <ul style="list-style-type: none">· Google Scholar· CrossCheck – iThenticate (Plagiarism Detection): Member Name: Global Research & Development Services
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