

e-ASIA Joint Research Program (e-ASIA JRP)
Joint Research Project in the field of “Materials (Nanotechnology)”
on the topic of “Functional Bio-Nanotechnology for Innovative Materials System”.

It is our great pleasure to announce the selected project of the e-ASIA Joint Research Program (e-ASIA JRP)*¹ 6th Call for Proposals in the field of “Materials (Nanotechnology)” on the topic of “Functional Bio-Nanotechnology for Innovative Materials System”.

A total of 18 proposals was submitted in response to the 6th joint call for proposals. After careful consideration based on the peer review results by the 6 funding organizations from 6 countries participating in the call*², the 1 collaborative project were additionally selected for support with the approval of the e-ASIA JRP Board in addition to the 1 project previously announced. Support to the project will continue for three years.

“Generation of selenium nanoparticles and investigation of theirs bioavailability on laboratory animals and plants” to be conducted jointly by:

Russia: Georgy Airatovich Shafeev, Director, Wave Research Center, A.M. Prokhorov General Physics Institute

Vietnam: Tran Hung Nguyen, NanoMaterials, Institute of Chemistry and Materials Science of Vietnam Academy of Science and Technology

Thailand: Nuttaporn Pimpha, Research Unit Director, National Nanotechnology Center, National Science and Technology Development Agency

This research aims to develop the method for Selenium nanoparticles generation by the laser ablation, chemical and electrochemical methods and to investigate their physics-chemical properties and their bioavailability on biological systems

On behalf of the e-ASIA JRP, we would like to offer our sincerest congratulations to the project teams, and look forward to the significant impact their results will bring to the energy situation of the future.

***1 The e-ASIA Joint Research Program (e-ASIA JRP)**

Through the acceleration of science and technology research exchange and collaboration in the East Asian region, the e-ASIA Joint Research Program (e-ASIA JRP) aims to strengthen research and development capabilities towards resolution of shared challenges across the region, including those associated with materials, alternative energy, agriculture, health research, disaster risk reduction and management, advanced interdisciplinary research towards innovation, and environment. As part of that objective, the e-ASIA JRP is intended to support collaborative research implemented among 3 or more of its member countries. Through the implementation of

joint research among participating countries in agreed fields of research, it is the goal of the e-ASIA JRP to contribute to economic and human resource development, as well as the resolution of various challenges in the region.

e-ASIA JRP's homepage: <http://www.the-easia.org/jrp/>

*2 The list of organizations participating in the 6th joint call for proposals in the field of "Materials (Nanotechnology)":

- Japan Science and Technology Agency (JST), Japan
URL: <http://www.jst.go.jp/EN/index.html>

- Ministry of Education (MOE), Myanmar
URL: <http://www.moe.gov.mm/en/>

- Department of Science and Technology (DOST), The Philippines
URL: <http://www.pchrd.dost.gov.ph/>
- Russian Foundation for Basic Research (RFBR), Russia
URL: <http://www.rfbr.ru/rffi/eng/>

- National Science and Technology Development Agency (NSTDA), Thailand
URL: <https://www.nstda.or.th/en/index.php>

- Ministry of Science and Technology (MOST), Vietnam
URL: <https://www.most.gov.vn/en/Pages/home.aspx>

Contact

Yoshihide Kobayashi (Mr.)
e-ASIA Special Program Coordinator
e-ASIA JRP Secretariat
Tel: +66 (0)2 564 7713
H/P: +66 (0)61 421 0316
E-mail: easia_secretariat@jst.go.jp