Date and Place
22th – 25th June, 2018
San-San-Maru Hall, Kibana Campus, University of Miyazaki, Miyazaki, Japan

Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>22th (Fri.)</th>
<th>23th (Sat.)</th>
<th>24th (Sun.)</th>
<th>25th (Mon.)</th>
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<tbody>
<tr>
<td>18:30 ~ 19:00</td>
<td>Reception</td>
<td>9:00 ~ 10:00 Reception</td>
<td>9:30 ~ 10:30 Session II</td>
<td>8:00 ~ 18:00 Excursion</td>
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<td>19:00 ~ 21:00</td>
<td>Arsenic mitigation workshop and Welcome party</td>
<td>10:00 ~ 12:00 JICA project final report</td>
<td>10:40 ~ 11:40 Session III</td>
<td>Toroku</td>
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<tr>
<td>22th (Fri.)</td>
<td>Arsenic mitigation workshop and Welcome party</td>
<td>12:00 ~ 13:00 Lunch time</td>
<td>11:40 ~ 13:30 Lunch time</td>
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<tr>
<td>23th (Sat.)</td>
<td>Opening talk</td>
<td>13:00 ~ 13:15 Opening talk</td>
<td>13:30 ~ 14:30 Session IV</td>
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<td>13:15 ~ 14:00 Invited lecture: I-1</td>
<td>14:50 ~ 16:10 Session V</td>
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<td>14:00 ~ 14:45 Invited lecture: I-2</td>
<td>16:10 ~ 16:25 Closing remarks</td>
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<td>San-San-Maru Hall, Kibana Campus, University of Miyazaki</td>
<td>14:45 ~ 15:00 Break</td>
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<td>15:00 ~ 16:10 Short speech &amp; Poster</td>
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<td>San-San-Maru Hall, Kibana Campus, University of Miyazaki</td>
<td>16:10 ~ 16:50 Session I</td>
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<td>17:30 Departure of the courtesy bus</td>
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<td>from UOM to the banquet place</td>
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<td>19:00 ~ 21:00 Environment pollution workshop and Banquet</td>
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<td>New Wel City MIYAZAKI</td>
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Program

23rd June (Saturday)

JICA Project Final Report

Opening Address
 Ms. Fumiko IGUCHI (JICA Officer)

Explanation of the Project
 Assist. Prof. Yasunori YANO (Project Manager, UOM)
 Dr. Khin Phyu Phyu (Director, NPCC, Department of Medical Research)

The Final Report of the Project
 Medical Examination part
  Dr. Phyo Wai Zin (Research Officer, Department of Medical Research)
 Awareness Activity for villagers
  Dr. Myo Nanda Aung (Research Officer, Department of Medical Research)
 Safe Water Supply part
  Assist. Prof. Yasunori YANO (Project Manager, UOM)

My experience in Myanmar
 Hisaki OTSUKA (4th grade student, Faculty of Education, University of Miyazaki)

Closing Remarks
 Toshiaki ITAMI (Vice president of UOM, Director of Center for International Relations)

5th International Arsenic Symposium in MIYAZAKI

Invited lecture

I-1 Comprehensive environmental study for arsenic-polluted well drinking water
   Masashi KATO (Nagoya University), Ichiro YAJIMA, Kazunori HASHIMOTO, Xiang LI, Nobutaka OHGAMI

I-2 Arsenic contamination in rice from Vietnam and Cambodia
   Nguyen Thi Ha, Myoung-Soo KO, Kongkea PHAN, Kyoung-Woong KIM (Gwangju Institute of Science and Technology)

Poster session (Short speech & Poster)

P-1 Adsorptive removal of arsenic from aquatic environment
   Anh Viet Hoang (University of Kitakyushu), Kazuharu YOSHIZUKA, Syouhei NISHIHAMA

P-2 Removal of arsenic from water environment by electrodialysis
   Tuan Minh PHAM (University of Kitakyushu), Syouhei NISHIHAMA, Kazuharu YOSHIZUKA
P-3 Preparation of yttrium-iron binary composites and their arsenic adsorption properties
Amu WAKAMATSU (University of Miyazaki), Kaoru OHE, Tatsuya OSHIMA, Yoshinari BABA

P-4 Removal of arsenic using nickel-zinc hydroxyl double salts
Ryosuke TABUCHI (University of Miyazaki), Kaoru OHE, Tatsuya OSHIMA, Yoshinari BABA,
Takayoshi HARA, Shogo SHIMAZU

P-5 A study on the heavy metal adsorption of Mongolian livestock biomass
Enkhzaya SOLONGO (University of Miyazaki), Koichiro SHIOMORI, Bolormaa OYUNTSETSEG

P-6 Determination of inorganic arsenic in fish oil by LC-ICP-MS: method validation ~ Does inorganic arsenic exist in fish oil? ~
Eri MATSUMOTO (Japan Food Research Laboratories), Toshiaki SUGIMOTO,
Toshiyuki KAWAGUCHI, Naoki SAKAKIBARA, Michiaki YAMASHITA

P-7 Synthesis of Fe-type Layered Double Hydroxide from Biomass Combustion Ash for As Removal
Akitoshi SUHARA (Chiba University), Takaaki WAJIMA

P-8 Analysis of continuous adsorption of arsenic(V) from water with polyacrylamide cryogel column containing iron hydroxide oxide nanoparticles
Daiki ICHIKAWA (University of Miyazaki), Koichiro SHIOMORI

P-9 Liquid-liquid extraction behavior of arsenic using ethereal compounds in acidic media
Naoki MATSUO (University of Miyazaki), Tatsuya OSHIMA, Kaoru OHE, Yoshinari BABA,
Noriyasu OTSUKI

P-10 Arsenic-methylation and arsenic-removal using *Bordetella petrii* strain KC42
Koshiro TAKASE (University of Miyazaki), Jun HIROSE, Haruhiko YOKOI,
Munetoshi MIYATAKE

P-11 Arsenic Problems in Myanmar
Khin Phyu Phyu (Department of Medical Research), Phyo Wai Zin, Myo Nanda Aung, Mya Mar Lar,
Tin Tin Han, Yasunori YANO

P-12 Extraction of Cu(II) with microcapsules of cross-linked gel of poly(vinyl alcohol)/alginate acid encapsulating dispersed droplets of phenolic oxime extractant
Akiho KUWAHATA (University of Miyazaki), Nov Irmawati Inda, Koichiro SHIOMORI

Session I

OP-1 Contamination status by arsenic and other metals in groundwater from Myanmar
Tetsuro AGUSA (Prefectural University of Kumamoto), Rikako MURAKAMI, Naoto KIMURA,
Ryo OMAGARI, Yukiko UCHIYAMA, Koji ARIZONO, Haruhiko NAKATA, Nyunt Phay

OP-2 Structural and functional analysis of a novel arsenic compound produced by a bacterium isolated from the rice root
Masato KURAMATA (Institute for Agro-Environmental Sciences), Satoru ISHIKAWA
24th June (Sunday)

Session II

OM-1 Sensory disturbance and electrophysiological findings in patients with chronic arsenic intoxication in Toroku, Japan: A 40-year follow-up study
Nobuyuki ISHII (University of Miyazaki), Hitoshi MOCHIZUKI, Yuka EBIHARA, Kazutaka SHIOMI, Masamitsu NAKAZATO

OM-2 Arsenic metabolites in dermal cellular milieu: Molecular analysis
Madhyastha HARISHKUMAR (University of Miyazaki), Madhyastha RADHA, Yuichi NAKAJIMA, Masugi MARUYAMA

OM-3 Dermatological survey in Myanmar
Hideki KOKETSU (University of Miyazaki), Masahiro AMANO

Session III

OP-3 Arsenic health risk in foodstuffs in the Mekong River basin of Cambodia
Kongkea Phan (International University, Phnom Penh, Cambodia), Kyoung-Woong KIM

OP-4 Effects of microorganisms on redox potential and mobility of antimony in natural settings
Jong-Un LEE (Chonnam National University), Van Khanh NGUYEN

OP-5 Arsenic groundwater pollution in Pakistan: A growing health threat
Abida Farooqi (Quaid-i-Azam University), Ishteaque Hussain, Nisbah Mushtaq, Junaid Ali Khattak, Alexander Van Geen

Session IV

OE-1 Arsenic removal performance of multi-GSF for arsenic-contaminated groundwater in Bangladesh
Yasunori YANO (University of Miyazaki), Hiroshi YOKOTA, Shigeki TOMOMATSU, Koichiro SHIOMORI, Sachie TSUSHIMA, Shamim Uddin, Md.Joynul Abedin Zaman, Miah M. Hussainuzzaman

OE-2 Sorption mechanism of chromate by ferrihydrite and sulfate green rust: comparison by XAFS analysis
Abdullah Al Mamun (Waseda University), Aina ONOGUCHI, Giuseppe GRANATA, Chiharu TOKORO

OE-3 Fluoride removal in aluminum coexisting solution by hydrated dolomite
Myint Myint Khin (Waseda university), Makoto YAGISAWA, Giuseppe GRANATA, Toshitaka TAMURA, Tomohiro HOSHI, Chiharu TOKORO
Session V

OE-4  Molecular mechanisms for reducing inorganic arsenic level in rice grains
      Satoru ISHIKAWA (National Agriculture and Food Research Organization), Shimpei HAYASHI,
      Masato KURAMATA, Tadashi ABE

OE-5  Removal behavior of hydrocalumite for As(III) and As(V) from aqueous solution
      Takaaki WAJIMA (Chiba University)

OE-6  A study on removal and recovery of heavy metals from industrial wastewater by precipitation and foam
      separation
      Maralmaa BYAMBAA, Erdenechimeg DOLGOR, Yoshihiro SUZUKI (University of Miyazaki)

OE-7  River pollution caused by the ejecta including arsenic of Mt. Io and the characteristics
      Kenichi ITO (University of Miyazaki) and the research team of the University of Miyazaki for the
      environmental and resource conservation of Mt. Io area