



International Symposium 2008

Innovations in Food Science and Technology and Health-Care for Social Well-being



Chief Guest
Professor Tissa
Vitarana



Guest of Honour
Professor Akinori
Noguchi

**An International Conference focusing on Food Science and Technology
and Health-Care for Social Well-being**

Organized by
Institute of Chemistry Ceylon
12th – 14th June 2008, BMICH, Colombo

- Resource presentations by a number of International experts.
- Research presentations by prominent scientists.
- Provides a learning opportunity for participants to update knowledge.
- Provides a platform for interaction and development of collaborative research opportunities.

| Inauguration of International Symposium 2008 Day 1 – Thursday 12th June 2008, BMICH, Conference Room A | |
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| 4.00 – 4.30 | Arrival of Guests |
| 4.30 – 4.40 | Traditional Lighting of Oil Lamp and National Anthem |
| 4.40 – 4.50 | Welcome Address Dr (Mrs) Nandani Ediriweera <i>President, Institute of Chemistry Ceylon.</i> |
| 4.50 – 5.10 | Address By Chief Guest Professor Tissa Vitarana <i>Honourable Minister of Science & Technology</i> |
| 5.10 – 6.00 | Keynote Address by Guest of Honour Professor Akinori Noguchi <i>Professor of Food Science, Ishikawa Prefectural University, Japan</i> <i>Role of Food Science and Technology in an Aging Society with the Progress of Globalization</i> |
| 6.00 – 6.05 | Vote of Thanks Professor Sujatha Hewage <i>Chairperson, International Symposium Committee</i> |
| 6.15 – 7.15 | Cultural Programme - Banquet Hall, BMICH |
| 7.15 | Cocktail Reception - Banquet Hall, BMICH |

| International Symposium 2008 Theme - Food Science and Technology for Social Well-being Day 2 - Friday 13 th June 2008, BMICH, Conference Room A | | | |
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| Chairpersons – Professor Ajith de Alwis and Professor J N O Fernando | | | |
| 8.30 - 9.10 a.m. | Resource Paper 1 | Engineer Jayantha Sellahewa <i>CSIRO, Australia</i> | Consumer health and well-being, the challenge in the food industry |
| 9.10 - 9.50 a.m. | Resource Paper 2 | Professor M Nakajima <i>University of Tsukuba, Japan</i> | Micro and nanotechnology for food and processing |
| 9.50 - 10.10 a.m. | Research Paper 1 | Mr S B Nawaratne (pending) <i>Harischandra Mills Ltd., Matara, Sri Lanka</i> | Exploring possibilities of using plant extracts for bakery industry with a view to improve leavening action along with bread crumb structure |
| 10.10 - 10.30 a.m. | TEA BREAK | | |
| Chairpersons – Professor Sumio Kawano and Dr Nandanie Ediriweera | | | |
| 10.30 - 11.10 a.m. | Resource Paper 3 | Dr Chakra Wijesundera, <i>CSIRO, Australia</i> | Fats and oils for a healthy diet: trends in food formulation |
| 11.10 - 11.50 a.m. | Resource Paper 4 | Professor Linus Opara, <i>Sultan Qaboos University, Sultanate of Oman</i> | Recent scientific advances and technological innovations in post harvest management of fruits and vegetables |
| 11.50 - 12.30 p.m. | Resource Paper 5 | Dr Takeo Shiina <i>National Food Research Institute, Japan</i> | Development of quality tracing system for fresh produce based on 'Time Environment Tolerance' (TET) |
| 12.30 - 12.50 p.m. | Research Paper 2 | Ms I G N Hewajulige <i>et al.</i> , <i>Industrial Technology Institute, Colombo 07, Sri Lanka</i> | Effect of Chitosan coating on chitinase and β , 1-3 glucanase activities in relation to anthracnose disease development of two commercially grown papaya varieties in Sri Lanka |
| 12.50 - 1.10 p.m. | Research Paper 3 | Ms Hui-Loo Lai Chin <i>Shimadzu (Asia Pacific) Pte Ltd., Singapore</i> | New advancement of GC-MS for chemical residue analysis in food and agricultural products |
| 1.10 - 2.00 p.m. | LUNCH BREAK | | |
| Chairpersons – Professor Siromi Samarasinghe and Professor Sujatha Hewage | | | |
| 2.00 - 2.40 p.m. | Resource Paper 6 | Professor Sumio Kawano <i>National Food Research Institute, Japan</i> | Applications of NIR Spectroscopy in food safety/quality assurance |
| 2.40 - 3.20 p.m. | Resource Paper 7 | Professor Upali Samarajeewa <i>Dept. of Food Technology, University of Peradeniya, Sri Lanka</i> | Food safety management for social well-being |
| 3.20 - 3.40 p.m. | Research Paper 4 | Ms H M T Herath <i>et al.</i> , (pending) <i>Industrial Technology Institute, Colombo 07, Sri Lanka</i> | Physicochemical properties of some selected traditional and improved rice varieties of Sri Lanka |
| 3.40 - 4.00 p.m. | TEA BREAK | | |
| Chairpersons – Engineer Jayantha Sellahewa and Ms Malani Mallawaratchie | | | |
| 4.00 - 4.40 p.m. | Resource Paper 8 | Dr Sada Nand Lal <i>Pesticide Research Secretariat of the Pacific Community, Fiji</i> | Bio-pesticides, Pacific Island Perspectives |
| 4.40 - 5.20 p.m. | Resource Paper 9 | Dr Lisa Szabo <i>Food Authority, New South Wales, Australia</i> | Addressing food safety issues, Australian experience |
| 5.20 - 5.30 p.m. | Mr Sanath Mendis, <i>Director, Sri Lanka Accreditation Board</i> | | Concluding Remarks |
| Symposium Dinner and Induction of the New President Dr L M K Tillekeratne 8.00 pm | | | |

International Symposium 2008

Theme – Innovations in Chemical Sciences for Health-Care
Day 3 - Saturday 14th June 2008, BMICH, Conference Room A

| Chairpersons – Professor Tuley de Silva and Dr L S R Arambewela | | | |
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| 8.30 - 9.10 a.m. | Resource Paper 10 | Professor Lal Chandrasena <i>University of Kelaniya, Sri Lanka</i> | Innovations in chemical sciences on health-care diagnostics |
| 9.10 - 9.50 a.m. | Resource Paper 11 | Professor LMV Tillekeratne <i>University of Toledo, USA</i> | Anticancer agents targeting microtubules |
| 9.50 - 10.10 a.m. | Research Paper 5 | Mr K.R. Dayananda <i>et al.</i> , <i>Industrial Technology Institute, Colombo 07, Sri Lanka</i> | Coumarin content in Ceylon Cinnamon (<i>Cinnamomum zeylanicum</i>) and comparisons with Chinese cassia |
| 10.10 - 10.30 a.m. | Research Paper 6 | Dr Radhika Samarasekera <i>et al.</i> , <i>Industrial Technology Institute, Colombo 07, Sri Lanka</i> | Bio-controlling agent containing <i>Bacillus thuringiensis</i> of Sri Lanakan origin for control of vector mosquito larvae |
| 10.30 - 10.50 a.m. | TEA BREAK | | |
| Chairpersons – Dr R D Guneratne and Professor Varsha Tarvady | | | |
| 10.50 - 11.30 a.m. | Resource Paper 12 | Professor Iqbal Choudhary <i>HEJ Research Institute for Chemistry, Pakistan</i> | Herbal/natural products for health-care, innovations and developments |
| 11.30 - 11.50 a.m. | Research Paper 7 | Dr V M Thadhani <i>et al.</i> , <i>Dept. of Chemistry, University of Peradeniya, Sri Lanka</i> | Lichens: Rich Source of Novel Antioxidants |
| 11.50 - 12.30 p.m. | Resource Paper 13 | Professor K K Bhutani <i>National Institute of Pharmaceutical Education and Research, India</i> | Development of natural product based nutraceuticals |
| 12.30 - 12.50 p.m. | Research Paper 8 | Dr Zham Zhaoqi <i>Shimadzu (Asia Pacific) Pte Ltd., Singapore</i> | The critical role of analytical technologies in health-care products research and development |
| 12.50 - 1.10 p.m. | Research Paper 9 | Dr Tissa Amarakoon <i>Tea Research Institute, Sri Lanka</i> | Tea and cardiovascular diseases – A review of mechanism involved in reducing the risk |
| 1.10 - 2.00 p.m. | LUNCH BREAK | | |
| Chairpersons – Professor Iqbal Choudhary and Dr Radhika Samarasekera | | | |
| 2.00 - 2.40 p.m. | Resource Paper 14 | Professor P Pushpangadan <i>Institute for Herbal Bio-tech Products Development, India</i> | Herbal/natural products for health-care, applications |
| 2.40 - 3.20 p.m. | Resource Paper 15 | Professor Varsha Tarvady <i>Indian Institute of Nutritional Sciences, India</i> | Food formulations for nutrition support/critical care |
| 3.20 - 4.00 p.m. | Resource Paper 16 | Professor Anura Weerasinghe <i>University of Kelaniya, Sri Lanka</i> | Recent advancements in the field of allergy for the upliftment of social well-being |
| 4.00 - 4.20 p.m. | TEA BREAK | | |
| Chairpersons – Mr Mevan Pjeris and Dr L M K Tillekeratne | | | |
| 4.20 - 5.00 p.m. | Resource Paper 17 | Dr Rohan Perera <i>University of Colombo, Sri Lanka</i> | Searching for monoamine transporter inhibitors: Role as a novel target for drug development |
| 5.00 - 5.20 p.m. | Research Paper 10 | Ms L D A M Arawwawala <i>et al.</i> , <i>Industrial Technology Institute, Colombo 07, Sri Lanka</i> | Antioxidant activity of <i>Trichosanthes cucumerina</i> : <i>In vivo</i> investigation |
| 5.20 - 5.30 p.m. | Professor Tuley de Silva <i>Consultant, Link Natural Products Ltd., Sri Lanka</i> | | Concluding Remarks |
| 5.30 - 5.40 p.m. | Dr Radhika Samarasekera | | Vote of Thanks |