

# Institute of Chemistry Ceylon

## Thirty Seventh Annual Sessions and Sixty Seventh Anniversary Celebrations 2008



Prof. K U Kamalgoda will be the Chief Guest at the 37<sup>th</sup> Annual Sessions of the Institute of Chemistry Ceylon.

Prof. Kamalgoda received his early education at St. Benedict's College, Kotahena. He holds a B.Sc. degree in Economics from the University of Ceylon, Peradeniya, a Diploma in Business Administration from the University of Windsor, an MBA from the University of Saskatchewan and a Ph.D. from the University of Washington.

After graduation he joined the Ceylon Administrative Service and served in the Ministry of Land Agriculture, Department of Immigration & Emigration, Agrarian Services Department and several other institutions for a period of 15 years. Prof. Kamalgoda has also worked in several universities and private sector institutions both in Sri Lanka and abroad.

At present he is the Managing Director and the Chief Executive Officer of the State Pharmaceutical Corporation. He was the Past President of the Sri Lanka Institute of Marketing and is currently the President of the Asia Marketing Federation.

### Inauguration of the 37<sup>th</sup> Annual Sessions, Institute of Chemistry Ceylon Day 1 – Wednesday 11<sup>th</sup> June 2008, BMICH, Conference Room A

8.00 - 8.30 a.m.	Arrival of Members and Guests
8.30 - 8.35 a.m.	Ceremonial Procession of the Council Members
8.35 - 8.45 a.m.	Inauguration of the 37 <sup>th</sup> Annual Sessions by Traditional Lighting of Oil Lamp and National Anthem
8.45 - 8.50 a.m.	Welcome Address Dr (Mrs) Nandani Ediriweera, <i>President, Institute of Chemistry Ceylon</i>
8.50 - 9.15 a.m.	Presidential Address Dr (Mrs) Nandani Ediriweera, <i>President, Institute of Chemistry Ceylon</i> "Food Science and Technology for Social Well-being"
9.15 - 9.30 a.m.	Address By Chief Guest Professor K U Kamalgoda <i>Managing Director, State Pharmaceuticals Corporation of Sri Lanka</i>
9.30 - 9.55 a.m.	Presentation of Awards, Prizes and Certificates
9.55 - 10.00 a.m.	Vote of Thanks Dr L M K Tillekeratne <i>President Elect</i>
10.00 - 10.30 a.m.	Institute of Chemistry Ceylon Devanathan Memorial Award Lecture Professor K M N de Silva, <i>Department of Chemistry, University of Colombo, Sri Lanka</i> Molecular Design and Quantum Chemical Calculations of Material Properties by <i>ab initio</i> and DFT Methods
10.30 - 11.00 a.m.	Tea
11.00 - 11.30 a.m.	Institute of Chemistry Ceylon Kandiah Memorial Award Lecture for Applied Chemistry Dr K K G M P B Herath, <i>State Pharmaceutical Manufacturing Corporation</i> Formulation of Extended Release Theophylline Tablets – Experimental, Modelling and Bioequivalence Studies
11.30 - 12.30 p.m.	Annual General Meeting of Corporate Members of the Institute of Chemistry Ceylon
12.30 p.m.	Lunch for Members Attending the Annual General Meeting

## 37<sup>th</sup> ANNUAL SESSIONS 2008 - TECHNICAL SESSIONS

Day 1 - Wednesday 11<sup>th</sup> June 2008, Adamantane House, Institute of Chemistry Ceylon  
Theme - Innovations in Chemical Sciences for Social Well-being

**Chairpersons: Professor (Ms) S Wimalasena and Dr (Ms) R D Wijsekera**

2.00 - 2.15 p.m.	(1)	A A P Keerthi, E R Jansz, S Ekanayake <i>Dept. of Biochemistry, University of Sri Jayewardenepura</i>	Bio-activity Directed Separation of the Neurotoxins of Palmyrah Flour and Studies on its Structure
2.15 - 2.30 p.m.	(2)	L V Athiththan <sup>1</sup> , H Peiris <sup>1</sup> , S D Jayaratne <sup>2</sup> <sup>1</sup> <i>Dept. of Biochemistry, University of Sri Jayewardenepura</i> <sup>2</sup> <i>Dept. of Medicine, University of Sri Jayewardenepura</i>	<i>In-vitro</i> Assay of Hydrolyzed Casein and Casein Fractions Isolated from Milk and the Inhibitory Effect on Angiotensin Converting Enzyme Activity
2.30 - 2.45 p.m.	(3)	R P Perera <sup>1</sup> , P L Abeyratne <sup>2</sup> , L M Perera <sup>2</sup> <sup>1</sup> <i>Dept. of Chemistry, University of Colombo</i> <sup>2</sup> , <i>College of Chemical Science, Institute of Chemistry Ceylon</i>	Competition of Drug to Serum Albumin: Study of Binding Potency of Salicylic Acid and its Nitro Derivatives to Albumin
2.45 - 3.00 p.m.	(4)	W K S M Abeysekera <sup>1</sup> , H P P S Somasiri <sup>1</sup> , G A S Premakumara <sup>1</sup> , A P Bentota <sup>2</sup> , D Rajapakse <sup>1</sup> , N Ediriweera <sup>1</sup> <sup>1</sup> <i>Industrial Technology Institute, Colombo 07</i> <sup>2</sup> <i>Regional Rice Research and Development Centre, Bombuwala</i>	Amylose Content of Some Sri Lankan Rice Varieties Grown in Yala and Maha Seasons
3.00 - 3.15 p.m.	(5)	A M B Priyadarshani, E R Jansz, H Peiris <i>Dept. Biochemistry, University of Sri Jayewardenepura</i>	Some Studies Directed at Assisting Carotenoid Research
3.15 - 3.45 p.m.	<b>Institute of Chemistry Ceylon Kandiah Memorial Award Lecture for Basic Chemistry</b> Ms N R Amarasinghe, <i>Institute of Fundamental Studies, Kandy, Sri Lanka</i> Chemistry, Bioactivity and Chemotaxonomic Significance of the Fruit Constituents of <i>Artocarpus altilis</i> and <i>Flacourtia indica</i>		
3.45 - 4.15 p.m.	<b>TEA BREAK</b>		
<b>Chairperson: Dr (Ms) Nandani Ediriweera, President, Institute of Chemistry Ceylon</b>			
4.15 - 4.55 p.m.	Mr N A D Weerasinha Commemoration Lecture by Dr A R L Wijsekera <i>Chairman, Sri Lanka Standards Institution</i> Forensic Science – the Past, the Present and the Future		

Day 2 - Thursday 12<sup>th</sup> June 2008, Adamantane House, Institute of Chemistry Ceylon  
**Theme - Innovations in Chemical Sciences for Social Well-being**

**Chairpersons: Professor M D P De Costa and Dr K R R Mahanama**

8.30 - 8.45 a.m.	(6)	A A P Keerthi, S Ekanayake, E R Jansz <i>Dept. Biochemistry, University of Sri Jayewardenepura</i>	The Cytotoxic and Hyper Haemolytic Steroidal Saponins of Palmyrah Flour
8.45- 9.00 a.m.	(7)	K A S S Perera <sup>1</sup> , R L C Wijesundera <sup>2</sup> , E D de Sliva <sup>1</sup> <sup>1</sup> <i>Dept. of Chemistry, University of Colombo</i> <sup>2</sup> . <i>Dept. of Plant Sciences, University of Colombo</i>	Isolation of Intergric Acid from the Fungus <i>Xylaria hypoxylon</i>
9.00 - 9.15 a.m.	(8)	D M G Perera, S Wimalasena, <i>Dept. of Chemistry, University of Kelaniya</i>	Antioxidant Properties of Unconventional Leafy Vegetables Commonly Consumed by Sri Lankans
9.15 - 9.30 a.m.	(9)	S Liyanage, S de Silva, S Wimalasena <i>Dept. of Chemistry, University of Kelaniya</i>	Effect of Pretreatments on Extending the Shelf Life of Minimally Processed Rhizomes of <i>Lasia spinosa</i>
9.30 - 9.45 a.m.	(10)	V M Thadhani <sup>1</sup> , S Khan <sup>2</sup> , I M Choudhary <sup>2</sup> , V Karunaratne <sup>1</sup> <sup>1</sup> <i>Dept. of Chemistry, University of Peradeniya</i> <sup>2</sup> , <i>HEJ Research Institute, University of Karachi, Pakistan</i>	Novel $\alpha$ -glucosidase Inhibitors from Lichen <i>Cladonia</i> Species
9.45 - 10.00 a.m.	(11)	P T Kirindearachchi <sup>1</sup> , H M K K Pathirana <sup>2</sup> , K N Kumara <sup>2</sup> <sup>1</sup> <i>Dept. of Oceanography and Marine Geology, University of Ruhuna</i> , <sup>2</sup> <i>Dept. of Chemistry, University of Ruhuna</i>	Treatment of Textile Effluents Using Seawater - A Low Cost Treatment Method
10.00 – 10.30 a.m.	<b>TEA BREAK</b>		
10.30 - 11.10 a.m.	Mr Noel Jayathunge Commemoration Lecture by Mr T Kandasamy <i>Retired Government Analyst</i>		
11.10 - 11.25 a.m.	(12)	T Bandara <sup>1</sup> , E R Jansz <sup>1</sup> , S Ekanayake <sup>1</sup> , K Balasubramanium <sup>2</sup> <sup>1</sup> <i>Dept. Biochemistry, University of Sri Jayewardenepura</i> , <sup>2</sup> <i>Biotech (Pvt) Ltd, Jaffna</i>	Effect of <i>Gymnema lactiferum</i> on Glycaemic and Lipidemic Status in Type 2 Diabetics
11.25 - 11.40 a.m.	(13)	T Bandara <sup>1</sup> , E R Jansz <sup>1</sup> , S Ekanayake <sup>1</sup> , K Balasubramanium <sup>2</sup> <sup>1</sup> <i>Dept. Biochemistry, University of Sri Jayawardenapura</i> , <sup>2</sup> <i>Biotech (Pvt) Ltd, Jaffna</i>	Preparation of <i>Pinnatu</i> Destroys the Hypocholesterolaemic Effect of Palmyrah Fruit Pulp
11.40 - 11.55 a.m.	(14)	T Bandara <sup>1</sup> , E R Jansz <sup>1</sup> , S Ekanayake <sup>1</sup> , K Balasubramanium <sup>2</sup> <sup>1</sup> <i>Dept. Biochemistry, University of Sri Jayewardenepura</i> , <sup>2</sup> <i>Biotech (Pvt) Ltd, Jaffna</i>	Effect of <i>Gymnema lactiferum</i> Leaf on Serum Glucose and Cholesterol Levels of Normo-Glycaemic and Streptozotocin Induced Diabetic Rats
11.55 a.m.	<b>Concluding Remarks - Dr R D Guneratne</b>		