

SCIENTIFIC SESSION:

INORGANIC, ORGANIC, PHYSICAL AND ANALYTICAL CHEMISTRY (IOPA)

Thursday May 22, 2008

1300 - 1700 Registration

Friday, May 23, 2008

0800 - 0900 Registration

0900 - 1000 Opening Ceremony

1030 - 1130 **Plenary 1** (BANYAN HALL)

Chairperson: Prof. C. L. Gajurel

Molecular Beam Studies of Dynamics of Chemical Reactions

Nobel Laureate Professor Yuan T. Lee

Academia Sinica, Taipei, Taiwan

1130 - 1300 **LUNCH**

INORGANIC, ORGANIC, PHYSICAL AND ANALYTICAL CHEMISTRY (IOPA)
(SHIVPURI HALL)

1330 - 1400 Chairperson: Prof. R. R. Pradhanang

Keynote (IOPA-02)

Nanostructured Cerium Oxide Prepared by Supercritical Carbon Dioxide Antisolvent Precipitation: A Support for High Activity Gold-Based Oxidation Catalysts

Start H. Taylor

Cardiff University, School of Chemistry, UK

1400 - 1430 **Keynote (IOPA-03)**

Synthesis and Electronic Structures of Tribenzotetraazachlorin-Fullerene Conjugates

Nagao Kobayashi

Graduate School of Science, Tohoku University, Sendai, Japan

1430 - 1450 **Invited (IOPA-04)**

Electrochemical Aspects of Proteomics

Hubert H. Girault

Laboratoire d'Electrochimie, Ecole Polytechnique Lausanne, Switzerland

1450 - 1520 **COFFEE BREAK**

1520 - 1620 **Plenary 2** (BANYAN HALL)

Chairperson: Prof. T. P. Pathak

Recovery of Gold from e-Wastes by using Biomass Wastes

Katsutoshi Inoue

Saga University, Japan

1620 - 1720 **Plenary 3** (BANYAN HALL)

Chairperson: Prof. V. P. Agrawal

Chemistry for Sustainable Development

S. P. Dhouhadel

Tribhuvan University, Kathmandu, Nepal

1730 - 2000 **WELCOME RECEPTION**

Saturday May 24, 2008

- 0900 - 1000** **Plenary 4** (BANYAN HALL)
Chairperson: Prof. G. H. Michler
Nanostructure Characterization in Multilayered Polymer Systems using X-Ray Scattering Methods and Microindentation Techniques
F. J. Baltá Calleja
Instituto de Estructura de la Materia, Madrid, Spain
- 1000 - 1020** **COFFEE BREAK**
- 1020 -1050** Chairperson: Prof. S. H. Taylor (SHIVPURI HALL)
Keynote (IOPA-05)
Single Molecular Precursor Route to Inorganic Materials
Jagadese J. Vittal
Department of Chemistry, National University of Singapore, Singapore
- 1050 - 1120** **Keynote (IOPA-06)**
Small Gold for Green Catalyst
Hidehiro Sakurai
Research Center for Molecular Scale Nanoscience, Okazaki, Japan
- 1120 - 1150** **Keynote (IOPA-07)**
Electrostatics and Molecular Tailoring for Exploring Molecular Clusters
Shridhar R. Gadre
Department of Chemistry, University of Pune, India
- 1150 - 1210** **Invited (IOPA-08)**
Physico-Chemical Aspects of Structure-Property-Function Relationships of Fats and Oils
Kiyotaka Sato
Hiroshima University, Hiroshima, Japan
- 1210 - 1230** **Invited (IOPA-09)**
The Complex Influence of Electrolytes on Bubble Coalescence
Vincent S. J. Craig
Australian National University, Canberra, Australia
- 1230 - 1400** **LUNCH BREAK**
- 1400 - 1420** Chairperson: Prof. Nagao Kobayashi (SHIVPURI HALL)
Invited (IOPA-10)
Co-extraction and co-luminescence of Eu(III) complexes with Zn(II) in the extraction with β -diketones and Schiff bases
Yuko Hasegawa
Science University of Tokyo, Japan
- 1420 - 1440** **Invited (IOPA-11)**
Preconcentration and Determination of Co(II) using Amberlite IR-120 base Chelating Resin
M. Rasul Jan
Institute of Chemical Science, University of Peshawar, Pakistan
- 1440 - 1500** **Invited (IOPA-12)**
Comparative Study on Leaching of Tannic Acid from Tea using Natural, Stirring at Constant Speed and Ultrasonic with its Modeling
S. S. Sonawane
College of Engineering and Technology, Jalgaon, India
- 1500 - 1520** **Invited (IOPA-13)**
Micellar Catalyzed Oxidation of Some Biologically Active Important Compounds by N-bromophthalimide
Yograj Katre
Department of Biochemistry, Pt. Ravi Shankar Sukla University Chhattisgarh, India

- 1520 - 1530** **Oral (IOPA-14)**
**Iridium (III) and Ruthenium (III) Chloride Catalyzed Oxidation of
Glycine by N-Bromophthalimide in Acidic Medium: A Kinetic and Mechanistic
Study**
Ajaya Kumar Singh
Govt. VYT PG. Autonomous College Durg, Chhattisgarh, India
- 1530 - 1540** **Oral (IOPA-15)**
Determination of Hydrogen Peroxide by HPLC / Fluorescence Detection
H. P. P. S. Somasiri
Industrial Technology Institute, Colombo, Sri Lanka
- 1540 - 1550** **Oral (IOPA-16)**
**Developing New Strategies for the Treatment of Tuberculosis Employing
Ruthenium-Polypyridyl-Complexes.**
Megh Raj Pokhrel
Central Department of Chemistry, Tribhuvan University, Nepal
- 1600 - 1620** **COFFEE BREAK**
- 1620 - 1720** **Plenary Lecture 5** **(BANYAN HALL)**
Chairperson: Prof. F. J. Balta Calleja
Application of Zeolites as Advanced Materials
Kyung Byung Yoon
Department of Chemistry, Sogang University, Seoul, Korea
- 1720 - 1735** **Structure and Activities of IUPAC**
Jung-Il Jin
President, IUPAC

Sunday May 25, 2008

- 0900 - 1000** **Plenary 6** **(BANYAN HALL)**
Chairperson: Prof. C. L. Gajurel
Challenges and Visions for Chemistry and Chemists in the 21st Century
Jung-Il Jin
Department of Chemistry, Korea University, Seoul, Korea
[President, IUPAC](#)
- 1000 - 1020** **COFFEE BREAK**
- 1020 - 1030** Chairperson: Dr. K. K. Shrestha **(SHIVPURI HALL)**
Oral (IOPA-17)
Synthesis and Characterization of Platinum Complexes of 2-Methyl-2-Oxazoline and 2-Ethyl-2-Oxazoline and Evaluation of their Anti-cancer
P. N. Yadav
Central Department of Chemistry, Tribhuvan University, Nepal
- 1030 - 1040** **Oral (IOPA-18)**
Preparation and Properties of Blue Green Emitting Sr₄Al₁₄O₂₅: Eu²⁺, Dy³⁺ Phosphor for Various Display Applications
Hom Nath Luitel
Faculty of Science and Engineering, Saga University, Japan
- 1040 - 1050** **Oral (IOPA-19)**
In Situ Development of Transition Metal-Containing Poly (Esteramide-Urethane) From Sustainable Resource
Fahmina Zafar
Materials Research Laboratory, Department of Chemistry, Jamia Millia Islamia, New Delhi, India
- 1050 - 1100** **Oral (IOPA-20)**
Synthesis of Lignans: Synthesis of 1-acetoxy-4-aryl-3-ethoxycarbonyl naphthalene and 4-aryl-3-ethoxy carbonyl-1-naphthols
Ashok Kumar Singh
Tri-Chandra Campus, Tribhuvan University, Nepal
- 1100 - 1110** **Oral (IOPA-21)**
Computational Studies of the Chemistry of the Si-rich β-SiC (100)
Lekh N. Adhikari
Department of Chemistry, University of Nevada, Reno, USA
- 1110 - 1120** **Oral (IOPA-22)**
Ion Molecule Reactions Studied by Tandem Mass Spectrometric and Molecular Beam Methods
Beni B. Dangi
Department of Chemistry and Chemical Physics Program, University of Nevada, Reno, USA
- 1120 - 1130** **Oral (IOPA-23)**
Effect of Oxidation with HNO₃ on Cr(III) Adsorption by Carbonized Wheat and Barley Straw
Rumi Chand
Department of Applied Chemistry, Saga University, Saga, Japan
- 1130 - 1140** **Oral (IOPA-24)**
Liquid Chromatographic Determination of Cis-Platin as Platinum (II) in Pharmaceutical Preparation, Serum and Urine Samples of Cancer
G. M. Arain
Pakistan Council of Research in Water Resources (PCRWR), Karachi, Pakistan
- 1140 - 1150** **Oral (IOPA-25)**

Liquid Chromatographic Determination of Neurotransmitter Serotonin from Human CSF using 2-Hydroxynaphtaldehyde as Derivatizing Reagent

Indra Panjwani

High Tech Central Resource Laboratory (HTCRL), University of Sindh, Jamshoro, Sindh, Pakistan

1230 - 1400

LUNCH

1300 - 1400

Poster Session

YOUNG CHEMIST AWARDEE LECTURE (YCAL)

1400 - 1415

Chairperson: [Dr. Shiva Ram Vaidya](#)

YCAL-1

Lead and Cadmium Contents in Organic, Hygienic and Conventional Chinese Kales

Weeraya Karnpanit

Mahidol University, Nakhon Pathom, Thailand

1415 - 1430

YCAL-2

Theoretical Studies of 1,2-Disubstituted Ethanes and their Analogues

Ponnadurai Ramasami

Department of Chemistry, University of Mauritius, Republic of Mauritius

1430 - 1445

YCAL-3

Small-Angle X-ray Scattering of Reverse Micelles in Nonaqueous System

Lok Kumar Shrestha

Yokohama National University, Tokiwadai, Yokohama, Japan

1400 - 1800

Local Sight Seeing for Foreign Participants

1800 - 2100

Dinner