

**3rd International Conference on Environmental Science and Technology 2007**  
**August 5-9, 2007 • Greenspoint Wyndham Hotel • Houston, USA**

*(It should be noted that it is not the final version. The schedule is subject to change without notification)*

**Conference Schedule\***

	<b>5-August</b>	<b>6-August</b>	<b>7-August</b>	<b>8-August</b>	<b>9-August</b>
Morning 8:00a.m. - 12:10p.m.	Registration From 10:00a.m.	Plenary Meeting	Platform Sessions 5 Groups	Platform Sessions 4 Groups	Platform Sessions 5 Groups
Afternoon 1:30p.m. - 6:05p.m.		Platform Sessions 5 Groups	Platform Sessions 5 Groups	Free Time	Platform Sessions 5 Groups
Evening 7:00p.m. - 9:00p.m.		Poster Session I Light Reception	Poster Session II Light Reception		
7:30a.m. - 7:30p.m.	Registration Exhibition	Registration Exhibition	Registration Exhibition	Registration Exhibition	Registration Exhibition

\*Some social activities are not listed in this schedule.

**Presentation At A Glance**

<b>Monday, August 6</b>			
Meeting Hall	9:00am-11:50am	Plenary Session	Keynote Presentation
Room I	1:30pm-4:05pm	Session 01-06	Wastewater Discharge Management
Room I	4:30pm-6:05pm	Session 01-07	Nanotechnology Applications
Room II	1:30pm-4:05pm	Session 03-1	Pollutants in the Subsurface
Room II	4:30pm-6:05pm	Session 03-2	Waste Recycling
Room III	1:30pm-6:05pm	Session 11-2	Water Quality Modeling
Room IV	1:30pm-4:05pm	Session 13-1	Environmental Analytical Technologies
Room IV	4:30pm-6:05pm	Session 13-2	Field Measurement Technologies
Room V	1:30pm-4:05pm	Session 04-1	Ecosystem Assessment
Room V	4:30pm-6:05pm	Session 04-2	Restoration of Ecosystems
Poster Room	7:00pm-9:00pm	Poster Session I	Sessions 01-01~01-08,02-1~02-3,03-1~03-3,04,11,12,13,14,15
<b>Tuesday, August 7</b>			
Room I	8:00am-10:05am	Session 01-08	Drinking Water
Room I	10:30am-12:35pm	Session 01-09	Water Quality Assessment
Room I	1:30pm-4:05pm	Session 01-10	Nitrogen-Phosphorus Wastewater Biotreatment
Room I	4:30pm-6:05pm	Session 01-11	Physico-chemical Wastewater Treatment
Room II	8:00am-12:35am	Session 03-3	In-Situ Remediation
Room II	1:30pm-4:05pm	Session03-4	Solid Waste Management
Room II	4:30pm-6:05pm	Session 03-5	On-site and Off-site Remediation
Room II	4:30pm-6:05pm	Session 03-6	Landfill
Room III	8:00am-10:05am	Session 11-1	Environmental Simulation
Room III	10:30am-12:35pm	Session 12-1	GIS for Environmental Assessment
Room III	1:30am-4:05am	Session 12-2	Data Management and Environmental Remote Sensing
Room III	4:30pm-4:05pm	Session 02-1	Aerosol
Room III	4:30pm-6:05pm	Session 02-2	Air Quality Assessment
Room IV	8:00am-10:05am	Session 13-3	Environmental Monitoring
Room IV	10:30am-12:35pm	Session 09-2	Metal Removal and Remediation
Room IV	1:30pm-4:05pm	Session 09-1	Metal Distribution
Room IV	4:30pm-6:05pm	Session 09-3	Phytoremediation
Room V	8:00am-10:05am	Session 04-3	Urban Ecosystems

Room V	10:30am-12:35pm	Session 06-1	Wetland Conservation
Room V	10:30pm-12:35pm	Session 06-2	Wetlands for Wastewater Treatment
Room V	1:30pm-6:05pm	Session 07-1	Assessment of Sediments
Room V	1:30pm-6:05pm	Session 07-2	Remediation of Sediments
Poster Room	7:00pm-9:00pm	Poster Session II	Sessions 01-09 ~ 01-15, 02-4-02-6, 03-4-03-7, 05, ,06,07,08, 09, 10
<b>Wednesday, August 8</b>			
Room I	8:00am-10:05am	Session 01-12	Industrial Wastewater Biotreatment
Room I	10:30am-12:35pm	Session 01-13	Municipal Wastewater Biotreatment
Room II	8:00am-10:05am	Session 03-7	Radioactive Waste and Land Pollution
Room II	10:30am-12:35pm	Session 01-01	Rivers, Lakes and Estuary Systems
Room III	8:00am-10:05am	Session 02-3	Transport of Air Pollutants
Room III	10:30am- 12:35pm	Session 02-4	Waste/Hazardous Gas Control Techniques
Room IV	8:00am-10:05am	Session 14-1	Society and the Environment
Room IV	10:30am- 12:35pm	Session 14-2	Environmental Ethics and Education
<b>Thursday, August 9</b>			
Room I	8:00am-11:30am	Session 01-14	Adsorption/Desorption for Wastewater Treatment
Room I	8:00am-11:30am	Session 01-15	Reactions and Degradation of Wastewater Contaminants
Room I	1:30pm-6:05pm	Session 10-1	Degradation of Persistent Organic Pollutants
Room II	8:00am-10:05am	Session 01-02	Watershed Management
Room II	10:05am-11:30am	Session 01-05	Groundwater
Room II	1:30pm-4:05pm	Session 01-03	Water Resources and Assessment
Room II	4:30pm-6:05pm	Session 01-04	Non-point Sources
Room III	8:00am-11:30am	Session 02-5	Air Pollutant Monitoring
Room III	8:00am-11:30am	Session 02-6	Air Pollution Prevention and Management
Room III	1:30pm-6:05pm	Session 08-1	Global Change
Room IV	8:00am-11:30am	Session 15-1	Environmental Quality and Planning
Room IV	8:00am-11:30am	Session 15-2	Energy-Related Environmental Problems
Room IV	1:30pm-6:05pm	Session 15-3	Environmental Policy and Management
Room IV	1:30pm-6:05pm	Session 15-4	Sustainable Development
Room V	8:00am-11:30am	Session 05-1	Human Exposure
Room V	8:00am-11:30am	Session 05-2	Bio-response
Room V	1:30pm-6:05pm	Session 05-3	Bio-accumulation
Room V	1:30pm-6:05pm	Session 05-4	Microbiology and Microbial Degradation

## Sessions, Reference Numbers, and Presenters

(***Bold*** name denotes presenting author)

### Plenary Meeting

- 2053 Environmental Applications and Implications of Nanotechnology: Fullerene-Bacterial Interactions. **Pedro J. Alvarez**
- 2069 Beyond Fossil Fuels: Converting Wind at Sea to Low-Cost "Green" Electricity with Cost-Effective Floating Windfarms. **Y. H. Michael Pao**
- 2070 North American Forests in a Warming World. **Reese Halter**
- 2071 Sustainable Energy and Transportation: Engineering the 21st Century. **Mark Holtzapple**

## 01. Water Pollution and Water Quality Control

### 01-01 Rivers, Lakes and Estuary Systems

- 130 Atlantic and Indian Oceans Pollution in Africa. **Babagana Abubakar**
- 132 The Characteristics of Eutrophication in the Yangtze River Estuary and the Adjacent East China Sea. Chao Chai and **Zhiming Yu**
- 151 Pollution of Banjar River from Malanjhand Copper Mines India. **Ravi Shanker Kanoje**
- 643 Fuzzy Variable Model for Lake Eutrophication Evaluation and Sustainable Development Countermeasure. **Wenjie XU, Shengle CAO**
- 654 Pollution Monitoring, Management and Restoration of Miralam Lake Hyderabad, India – A Case Study. **Yalavarthy Prameela Devi**
- 730 Using an Unmanned Boat (U-Boat) for Environmental Measurements. **Chunyan Li**, Eddie Weeks, Masamichi Inoue
- 735 The Variation Trends of the Scalar Fluxes in the Yangtze River Estuary. **Lei Kun**, Meng Wei, Zheng Binghui and Fu Guo
- 973 The Causes and Effects of Environmental Degradation Manchar Lake, (Pakistan). **Sanaullah Rustamani**
- 996 New Models on Origin and Solubility of Selenium in Southern California Streams and Associated Aquifers. **Barry Hibbs**, Rachel Andrus, Guiyun Zhou, and Hung Jun
- 745 Environmental Investigation and Estrogenic Activity in Yamato River Water System in Japan. **Akiyoshi Sawabe**, Ryuji Takeda, Yasuhiro Hachimura, Kazuki Ikushima, Daisuke Shimizu, and Sadao Komemushi
- 940 Chemical and Microbiological Pollution of the River Sharahi (URMIA) Iran. **H. Nanbakhsh**
- 2021 To the Question on Concept “Environmental Flow” (Central Asia). **Yusup Rysbekov**,
- 2026 The Effect of Oil Pollution and Coastal Erosion on the Navigable Waters in Nigeria. **Eresaba, Uzochukwu A.**
- 2066 Roots of Chinese Surface Water Body Overnutrition. **Zhenmin Chen**, Wei Xie
- 2067 A Comparative Study on Some Organic Pollutants and Heavy Metals of River Sone, India. **Praveen Kumar**

### 01-02 Watershed Management

- 578 Strategies to Reduce Siltation into Reservoirs. **Steve Starrett**, and Travis Heier
- 713 Ecologic Situations within Small River Basins Modeling and Assessing. **Tatiana Trifonova** and Natalia Mishchenko
- 731 Rising-Wave Trigger for Rainfall Events: City of Kissimmee, Florida. **Eric Gurr**, and Fidelia Nnadi
- 734 Prevalence and Genetic Characteristic of E. coli O157 in Urban Watershed Impacted by different Sources of Pollutants. **A. Mark Ibekwe** (USDA-ARS, Riverside, CA, USA) and Menu B. Leddy
- 795 Perspectives for development of Watershed Sustainability Index (WSI) in Küçükçekmece Watershed, Istanbul. **Taner M.U.**, Ustun B., Erdinçler A., Senduran C
- 819 Tripartite Ply-Bamboo Venture in the Rehabilitation and Management of Maasin Watershed in Iloilo, Philippines. **Victor Prodigio**, Jousan Dolar, Alain Russ Dimzon
- 840 Using Hydraulic Modeling to Assess the Socio-Economic Impacts of Small Dam Removal. **Brian A. Rischman**, Chris A. Burke, Joshua R. Wyrick, Craig McGee, Chasity Williams
- 954 Steps to Save the Buriganga River Water from Pollution for the Human Survival. **Md. Hamidur Rahman**
- 992 Impact of Land Use Changes on Surface Water Quality in Eastern Massachusetts. **Jun Tu** and Zong-Guo Xia
- 668 The La Mesa Watershed: A Vital Water Resource of Metro Manila. **R.V. Azanza**, FPSiringan, CLVillanoy, LDavid, CAgarao, ASiringan, DLagunzad, BVallejo Jr., CArceo, RSaturay, Jr.

### 01-03 Water Resources and Assessment

- 586 Modeling Assessing Heng Shui Lake Water Quality. **Ojekunle, Z. Olusheyi**, Zhao Lin, Li Ruo Po and Tan Xin
- 622 Quality and Distribution of Lead, Cadmium in Underground Water of Kashmir, Pakistan. **M. Aslam Mirza**, M.Y. Khuhawar & Rafee Arain
- 663 Closed Scenic Water Quality Control with Source of Reclaimed Water: Experiment Study. Zhang Dao-fang, **Li Kun**, Shi Xue-fei, Huang Xiao-jing, Teng Le-feng, Wang Rui-pu
- 786 Decision Support for Water Loss Management in Water Distribution in Developing Countries. **Wilhelm Urban**. Ana Cangahuala Janampa
- 787 Novel Methods Using Bioluminescence for the Determination of Water Pollution and Pollutants. **Edward A. Quinto**
- 792 Improving on Matter Element Extension Evaluating Method and Its Application. **SUN Xiu-ling**, MA Hui-qun, XU Xiao-chi
- 869 Strategies of Water Supply Management in Hong Kong. **Derek P. T. Yue** and S. L. Tang
- 877 Predictions and Curtailment of Mirani Dam (Pakistan). **Kashif Sagheer**, Zeeshan Nawaz, Hussnain Haider

- 896 Utilizing Indirect Reuse to Meet Future Water Needs in Harris County, Texas. **David Harkins, W.H. Espey, and Chuck Settle**
- 899 Evaluating Management Strategies of Integrated Water Resource Management - A Case Study on Chittagong Hill Tracts (CHTs). **Shampa Biswas**
- 707 Application of Improved Fuzzy Mathematics Method To Evaluate Qingdao Dagu River Water Quality. **Miao Qun** and Li Yue, Yao Huimin Liu Zhiqiang and Hai Yang
- 2061 Water Quality Assessment and Urbanization in the Third World. **J. Kimani, MA, M Muniafu, F.K. Kang'ethe**

#### 01-04 Non-point Sources

- 657 Non-Point-Source Nitrogen Pollution in a Small Catchment in The Sichuan Basin, China. **ZHU Bo**, WANG Tao, KUANG Fu-hong, LUO Zhuanxi, XU Tai-ping
- 681 The Effectiveness of Grass Buffer Strips in Reducing Overland Transport of Pollutants into Surface Waters. **Hossein Ghadiri**, Janet Hussein, Bofu Yu and Calvin Rose
- 721 Retrospective Investigation of Chronic Oil Pollution in the Southern North Sea. **Alena Chrastansky**
- 845 Watershed-Scale Statistical Evaluation of Effectiveness of Bmps in Southwestern Louisiana River Basins. **Hemant Chowdhary** and Z.-Q. Deng, Vijay P. Singh
- 2008 Effects of Sampling Interval on Spatial Analysis of Watershed Nitrogen Loading. **Shuo-sheng Wu** and Lynn Usery
- 2001 Research on Non-Point Source Pollution Characteristic and Load of the Weihe River. Jia-ke LI, Huai-en LI, **Ming CAI**, Zhong-hua JIA

#### 01-05 Groundwater

- 611 An Account of Ground Water Pollution and Remedial Steps in India. Debojyoti Mitra and **Sukritranjan Bhattacharya**
- 753 Arsenic Contamination in Underground Water of Four Districts of Sindh, Pakistan. **G. M. Arain**, Indra Devi & M. Y. Khuhawar
- 827 Novel Tracer ( $^{18}\text{O}$ ) and Pesticide Infiltration through Soil Profiles of Northern Ireland. **Jaswinder Kaur**, Ronald J Laughlin, Stewart Floyd, and Samuel H Mitchell
- 952 Arsenic Pollution in Soil and Groundwater of Bangladesh. **M. Hamidur Rahman** and Hiroaki Ishiga
- 2003 Risk Assessment Embedded With Prospect Theory for Terrorism on Groundwater. **Anna Maricel Doro-on**, C.S. "Rocky" Shih, and G. Alberto Arroyo
- 139 Minimising Contamination during Groundwater Recharge in Uganda. **James Mwami**
- 590 Heavy Metal Pollution in Diesel Contaminated Stream Used as Domestic Water Supply. **AE Pillay**, R Victor and L Al Haddabi
- 744 Groundwater Characterization in the Vicinity of a Dumpsite in Ibadan, Nigeria. **A.T. Hassan**, P. Li

#### 01-06 Wastewater Discharge Management

- 626 Framework of Integrated Sustainable Water Management Indicator System - Case Study in Shanghai, China. **LU Zhibo**, Wang Juan, W.F. Geiger, LU Yongsen
- 674 Retention of Organic and Inorganic Compounds by RO Membrane. **Jawad H. Al-Rifai**, William E. Price and Hadi Khabbaz
- 692 Wastewater from Shrimp Farming and Water Pollution in Vietnam. **Nguyen Van Trai**, Salim Momtaz and Kenneth Zimmerman
- 743 Solid Waste Composition / Attenuated Leachates Relationship at a Landfill in Ibadan, Nigeria. **A.T. Hassan**, P. Li
- 751 Waste Water Reuse Status in Uzbekistan. **Dr. Malika Ikramova** - Central Asian Scientific Research Institute of Irrigation, Tashkent, Uzbekistan, **Fakhriddin Shamsiev**
- 758 Wastewater Reclamation and Regional Sustainable Development--A Case Study in Hengshui. **Zhao Lin**, Yang Zhen, Li Ruopu, Tan xin
- 824 Community-Based Septage Management: An Empowerment Strategy to Rapid Household Level Low-Cost Wastewater Treatment. **Alain Russ Dimzon**, Jousan Dolar, Victor Prodigio
- 872 Washing Kinetics of Pollution Preventing Lithographic Inks from a Prototype Roller Drum. **Shantanu Raj** and Ashok N. Bhaskarwar
- 939 Improving Salt Tolerance and Productivity of Spartina Patens in Sandy Soil by Using Biofertilization Treatments under Diluted Seawater Irrigation. **M.M. Tawfik**, A.T. Thaloath
- 2040 Performance of Petroleum Refinery Wastewater Treatment Plants: Case of Cameroon National Oil Refinery Ltd. (SO.NA.RA) Limbe. **Fidelis Folifac**, Dr. George Elambo Nkeng, Lydia Lifongo
- 2072 Economic Benefits of Low Pressure Sludge Homogenization for Wastewater Treatment Plants. **Theodore I. Onyeche**

- 600 Heat Sinks as Critical Ecosystems for Nuclear Power Plants. **Alexander Valyaev**, Sergey Kazakov and Sergey Utkin, Oleg Stepanets
- 812 A Novel and Cost-Effective Approach on Preventive Water Pollution Control. Carsten Meyer, **Sabine Schmidt**, Ralf Minke and Ulrich Rott
- 842 Application of a Novel Concept of Wastewater Pre-Treatment in Textile Finishing Industry. **Ralf Minke** and Ulrich Rott

### 01-07 Nanotechnology Applications

- 739 Fabrication of novel TiO<sub>2</sub> Nanotubes Electrode and Study of Photoelectrocatalytic Properties. **Wang Ning and Li Xinyong**
- 813 Generation and Characterization of Size-Controlled Metal Oxidized Nanoparticles by Dendrimeric Technique. **Hongyi Wu**
- 930 Preparation and Photoelectrocatalytic Degradation Properties of TiO<sub>2</sub> /SiO<sub>2</sub> Nanotube Array Electrodes. **Xinyong Li** and Chao Sui, Baozhang Liu and Weidong Zhang
- 956 Preparation of ZnO Nanorod Arrays by Low-Temperature Wet-Chemical Method and Its Photocatalytic Properties. **Weidong Zhang** Xinyong Li
- 957 Preparation and Photocatalytic Activity of ZnFe<sub>2</sub>O<sub>4</sub> Nanocrystallines. **Baozhang Liu** Xinyong Li
- 979 Application of Nanostructured Materials in Clean Energy Production. **Maohong FAN**

### 01-08 Drinking Water

- 563 Hydrogeophysical Study of Well Fields for Drinking Water Supply of the City of Damascus. **Ammar Mohammad Al-Ammareen**
- 671 Elimination of Persistent Odorous Compounds from Drinking Water. Rangesh Srinivasan, **George A. Sorial**, Gloria Ononye, Chad Husting, and Eugene Jackson
- 720 Simultaneous Drinking Water Wining and Treatment by In-Situ-Bioreactors. **Carsten Meyer**, Ulrich Rott
- 794 Seawater Desalination Vessels: Building Capacity to Meet Future Water Challenges. Andrew Gordon and **Amanda Martin-Brock**
- 834 Water Treatment Technology Development: Removal of Arsenic with Magnetite Nanoparticles. **Heather J. Shipley**, Sujin Yean, Amy T. Kan, Mason B. Tomson
- 690 Thermodynamic Aspects of Nitrite Ion Retaining on Clinoptilolite Modified With Quaternary Amines. Daniela Micu, Iovan Lemic, **Georgeta Burtica**, Ilie Vlaicu, Florica Manea, Camelia Podaru and Daniela Sonea
- 768 Diarrhea And Water Handling In The Town Of Bebnine, Lebanon. **Grace El Azar**, Rima R. Habib, Iman Nuwayhid, Mey Jurdi, Mutasem El-Fadel, Rami Zurayk, Ziyad Mahfoud
- 942 Chlorinated Drinking Water By-Product Risk Assessment: Cancer Risk of Chloroform in Tehran City Drinking Water. Ali Torabian, **Nima Madani**, Mona Nazeri
- 2065 The Role of Trading in Water Quality Management: The U.S. Experience. **Chanathip Pharino**

### 01-09 Water Quality Management

- 106 Distribution of Pathogenic Bacteria on Different Surface Types in Agricultural Watersheds. **Rasha Maal-Bared** and Karen Bartlett
- 107 Tonle Sap Ecosystem Water Quality Index Development Based on Fish Production. **Nguyen Thi Hai Yen**, Kengo Sunada, Satoru Oishi, Kou Ikejima
- 644 Simulation on the Water Quality Research of Dongchang Lake Using WASP. **Wenzhang SUN**, Shengle CAO
- 645 Massbalance and Integrated Modelling of Urban Micropollutants **Frido Reinstorf**, Sebastian Leschik, Andreas Musolff, Gerhard Strauch, Monika Moeder, Rainer Wennrich, Karsten Osenbrueck and Mario Schirmer
- 764 Assessment of Water Quality of Rivers Tungabhadra and Hundri. **C.V. Rajeswari** & B.Saraswathi
- 793 Study on Application of Chaos Theory to Forecasting of Water Quality. **SUN Xiu-ling**, MA Hui-qun ,XU Xiao-chi
- 886 A Quantitative Method for Analyzing Taste and Odor Causing Compounds in Water. **M. Brett Borup**, Dan Nichols and Roland Rocha
- 933 Quantitative Estimation of the State and Risk of Hazard to Geographical Systems and Various Water Facilities and Land Resources. **Mirtskhoulava, Tsothe, Evgeny**
- 569 Chlorinated Water Supplies and Associated Health Effects: An Epidemiological Study. **Sudha Goel**
- 695 Integral Assessment of the Transboundary Mesta River Trophic Pollution in Bulgaria. **Ivan Diadovski**, Maya Atanassova
- 967 Impact of Industrial Tailings Pond on Surface Water. **Stanisław Czaban**

### 01-10 Nitrogen-Phosphorus Wastewater Biotreatment

- 568 A Study on Inhibiting SRB Activity Using Denitrifying. **Wei Li** ,Ma Fang, Yao Jie

- 628 Detetermination of the Salt Impact on Short-Cut Nitrification in Sequencing Batch Reactors. **Liu Ye**, Shu-ying Wang, Bing Tang, Yong-zhen Peng
- 857 Field Studies of Mat Bioreactors, an Advanced Treatment for Onsite Wastewater Treatment. **J. Paniagua-Michel**
- 861 Achieve Short-Cut Nitrification and Reduce N<sub>2</sub>O Production during Nitrogen Removal from Domestic Wastewater. **Xiuhong Liu**, Shuying Wang and Yongzhen Peng
- 2009 Treatment of Domestic Wastewater Using Lab-Scale Sequencing Batch Reactor for Reusable Purpose. **Manoj Kumar B.** and Sudevi Basu
- 2064 Effect of SRT on Filamentous Bulking and Restoration in an EBPR SBR. Nan Li, **Xiuheng Wang**, Han Kang, Kun Zhang, Nanqi Ren, Yanwu Du
- 732 A Pilot Study on Domestic Wastewater Treatment with A/O MBR System. **Zhiqiang Liu** and Tinglin Huang, Zhanying Zhang and Miao Qun, Zhenai Sun
- 985 Carbon Source Recovery for Biological Denitrification by Alkaline and Radiation Treatment. **Tak-Hyun Kim**, Tae-Hun Kim, Youn-Ku Nam, Jae-Kwang Lee, Myunjoon Lee

### 01-11 Physico-chemical Wastewater Treatment

- 150 Recovery of Nickel from Spent and Diluted EN Solutions Using the Rotating Electrode Technology. **Danielle Miousse**
- 567 Application of Oil Remover in the Oily Wastewater Treatment from Aikali-Surfactant-Polymer-Flooding. **Ma Fang**, Wei Li, Yao Jie, Zhang Hongjun, Chen Zhongxi
- 607 Some Studies on Electrochemical Method for the Treatment of Wastewater. **Tetala Appa Reddy**, Seepana Bala Prasad, Dubba Dhanunjaya Rao
- 669 Acid Mine Drainage Treatment by a Two-Step Neutralization Ferrite-Formation Process. **Pepe Herrera Salgado**, Hiroyuki Uchiyama, Toshifumi Igarashi, and Kuniomi Asakura, Yusuke Ochi, Fumishige Ishizuka, Koichi Hashimoto
- 701 Synthesis, Characterization, and Photocatalytic Property of Cuprous Oxide Microcrystals. Yuling Qu and **Xinyong Li**
- 830 Treatment of Leachate by Electrocoagulation and Electrooxidation. Fatih İlhan, **Ömer Apaydin**, Uğur Kurt, Ertan Arslankaya, M.Talha Gönüllü
- 873 Synthesis, Characterization, and Photocatalytic Property of Cuprous Oxide Microcrystals. Yuling Qu and **Xinyong Li**
- 884 Investigation and Scaleup of Chromium Hydroxide Settling Tank for Chrome Recovery Process. **Boppana Bharat Ram**, B.V. Ramabrahmam, R. Bomma
- 893 Possibilities of Ti-recovery from Clay Minerals by Flotation. Fecko P., Pectova I., Cablik V., Mucha N.
- 993 Preparation of Pure Silica Oxide (SiO<sub>2</sub>) and Zeolite Y from Rice Husk as an Ion Exchanger. **M. M Rahman**, Wan Sani Wan Nik and A. M. Yusof
- 124 A New Modified Resin for Emulsified Oil Wastewater Treatment. **Zhou Yan-bo** and Lu Jun
- 604 Lead (Pb) Removal from Printing Wastewater by Living Cyanobacteria *Gloeocapsa Gelatinosa* and *Calothrix marchica*. **Suneerat Ruangsomboon**
- 620 Removal of Chromium from Aqueous Solution Using Carbon Derived from Eucalyptus Bark. **Shashi Prabha Dubey**, Krishna Gopal
- 711 Removal of Cr(VI) by Sorption on Isomorphic Substituted Mg/Zn-Al - Type Hydrotalcites. **Laura Cochechi**, Rodica Pode, Eveline Popovici, Elena Seftel, Emiliana Dvininov
- 779 Investigation of Desorption of Cd(II) from Soil Component Na-Feldspar Using Rhamnolipids in Different Reactor Systems. Y. Aşçı, and **M.Nurbaş**, Y. Sağ Açıkel

### 01-12 Industrial Wastewater Biotreatment

- 125 Comparison of The Activity of Photocatalytic Degradation Pops Using ZnO Powders with Different Morphology. Yuxin Wang and **Xinyong Li**
- 583 Removal of high organic loads from winery wastewater. **Y. Zimmels**, F. Kirzhner and J. Schreiber
- 591 Utilization of Organic By-Products for the Removal of Triazophos Pesticide from Aqueous Media. **Mubeena Akhtar**, M. I. Bhangar, Shahid Iqbal and S. Moosa Hasany
- 612 Effect of C/N Ratio on the Removal of Phenolic Waste by Anaerobic Hybrid Reactors. **Anushyaa Ramakrishnan** and Sudhir Kumar Gupta
- 615 Comparison of Extracellular Polymeric Substances between Aerobic Granules and Activated Sludge Flocs. **Shu-fang Yang** and Xiao-yan Li
- 700 Evaluation of the Performance of Wastewater Treatment Plant in a Beverage Industry. **Sunkari Ramakrishna Rao**, Seepana Bala Prasad, Dupati Ravi Babu
- 852 Anaerobic Degredation of Paracetamol Containing Pharmaceutical Wastewater. **Ulker Diler Keris**, Ahmet Karagunduz, Bulent Keskinler

- 911 Evaluation of Ligninolytic Microorganisms for Efficient Decolorization of A Small Pulp and Paper Mill effluent in Two Steps Sequential Bioreactor. **Pratibha Singh**, Meera Gupta
- 603 Study of Adsorption of Cyanine Acid Blue from Aqueous Solutions Using Bentonite. **Saeideh Hashemian**
- 2039 *Salvinia Natans* is an Ideal System for Phytoremediation. **Anupriya Tyagi**, P. Sharmila and P. Pardha Saradhi

### 01-13 Municipal Wastewater Biotreatment

- 143 Pilot-Scale Studies on the Advanced Treatment of MBR-PAC. **ZHU Liang**, XU Xuchang, Wang Zhansheng, Gu Junnong, LIU Mingxiang
- 149 A Sustainable Wastewater Treatment Using Unique Combination of UASB and Bio-Tower. **Ravi Shankar D.N.**, Lokesh K S
- 558 Optimization of UniTank<sup>®</sup> Process for Wastewater Treatment. **Chonghua Yao**, Keman Su, Xisheng Wang, Shangyan Dong, Wenjia Wang, Zhou Xu
- 624 Phylogenetic Diversity of Bacteria and Their Contribution to Excess Sludge Demineralization. **LIN Shanshan**, FU Lili, JIN Yuhua
- 625 Simulation of Denitrification Sludge Rising in Secondary Clarifier. **Hanchang SHI**, Yao XIAO, Zhiqiang Wang
- 710 The Ibac-Process for Treatment of Micro-Pollutant Water Polluted by Nitrobenzene. **WANG Chen**, MA Fang, SHAN Dan, YANG Ji-xian
- 807 Study of Rural Wastewater Treatment by Microbial-Earthworm Tower Ecofilter. **Zheng Zheng**, Li Junzhuang, Luo Xingzhang, Su Donghui
- 853 Optimal Sustainable Design for Onsite Wastewater Treatment Using Evapotranspiration Bed System. **Anna M. Doro-on**, Chia Shun “Rocky” Shih, and G. Alberto Arroyo
- 947 Anaerobic Digestion of Alkali-Pretreated Slurry of Organic Fractions of Municipal Solid Waste. **Voltaire Acosta**, Analiza Palenzuela-Rollon, Kiyohiko Nakasaki, Le Thi Hong Tran
- 108 Aeration Tank Behavior in the Activated Sludge Wastewater Treatment Plant Startup Conditions. **Riyadh M. Saleh Al-Obaidi**, Maysoon I. Sulaiman
- 111 Effect of Rehabilitation Process of Sewage Treatment Plant on Human Health in Marsh Area of Iraq. **Hussein G. Mtelig**

### 01-14 Adsorption/Desorption for Wastewater Treatment

- 122 Removal Mechanism of Pb(II) by Different Plant Biomass: Reed and Brown Seaweed. **B. Southichak**, K. Nakano, M. Nomura, N. Chiba and O. Nishimura
- 152 Biosorption of Zinc Ion on Orange Peel Immobilized Biomass of PHANEROCHAETE CHRYSOSPORIUM. **Gurusamy Annadurai**, Lai Yi Ling, Jiunn-Fwu Lee
- 157 Chromium and Fluoride Removal from Water with Low Cost Adsorbents. **Jyotsna Lal**
- 599 Indigenous Adsorption Material for Textile Wastewater Treatment. **Muhammad Ahsan Iqbal**, Tahir Jamil, Muhammad Arif Butt and Muhammad Ahmad
- 666 Research on Removing Ammonia Nitrogen from Closed Scenic Water by Modified Zeolite. Zhang Dao-fang, Wang Rui-pu, Tao Hong, **Li Kun**, Teng Le-feng, Huang Xiao-jing
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