Global Conference on Global Warming 2009

Sunday, July 5, 2009

10:00-19:00 Registration and Setup for Exhibition

Monday, July 6, 2009

8:30-9:15 Chair: Feridun Hamdullahpur Room: Ballroom
Opening Remarks
- Prof. Ibrahim Dincer, Conference Chairman
- Prof. Ron Bordessa, President, UOIT
- Dr. Suleyman Gunduz, Chairman, GWCCWC
- Dr. Kadir Topbas, Mayor of Istanbul (TBC)
- Prof. Veyssel Eroglu, Minister of Environment and Forestry (TBC)
- Mr. Taner Yildiz, Minister of Energy and Natural Resources (TBC)
- Doc. Dr. Abdullah Gul, President of Turkey (TBC)

9:15-10:10 Chair: I. Dincer
Keynote address-1: Hydrogen energy: ultimate solution to global warming
T.N. Veziroglu

10:10-10:30 Refreshment Break

10:30-12:30 Chair: R. Bordessa
Keynote address-2: Climate change and governance: state of affairs and actions needed
W. Leal

Keynote address-3: Resolving the financial and climate crises by a global investment plan: The inter-relationship between the global financial crisis and the climate crisis and the emergence of a common solution,
T. Barker

12:30-14:00 Lunch Break

14:00-16:00 Session: Global Warming: Policies and Challenges-I SAFIR
Chair: P. Grammelis

39 Policies and strategies of reducing global warming in developing countries: an approach for Turkey, A. Yonten

213 Energy policies and strategies in Turkey in relation with the energy and environmental law, O. Armagan

103 Global warming and climate change: the situation before and after 2000, A.F. Miguel, A.H. Reis

250 An analysis of Chinese policy instruments for climate change mitigation, B. Xu, Q. Sun, R. Wennersten, N. Brandt

279 Governance of large-scale environmental problems-the case of climate change, Q. Sun, R. Wennersten, N. Brandt

180 Sustainability in the city scale to fight global warming, A. Tokuc, G. Kokturk
MONDAY, JULY 6, 2009

14:00-16:00 Session: Energetic and Environmental Issues-I
Chair: A.H. Assi

118 The thermal background of the life of the plants (phenomenologic and photon-electron based approach to photosynthesis, I. Benko

84 Reduction of energy cooling in buildings with phase change materials in mild climates, E.H. Bouguerra, A. Hamid, N. Retiel

215 Iran situation in environmental sustainable development, challenging and approaches, M. Ravanbakhash, I. Kazemi

350 Conception of a refuse derived fuel (RDF) incineration plant and its environmental benefit, K. Haker, J. Krüger, K. Kuchta

191 Towards reducing the fuel-bound nitrogen conversion to no in an air-staged combustor during the combustion of synthetic biomass-derived gas, B. Adouane, W. De jong, G. Witteveen, J. Van Buijtenen

378 Performance improvement of IGCC power plant by steam integration between chemical and HRSG processes, C. Lee

MONDAY, JULY 6, 2009

14:00-16:00 Session: Chemical Aspects-I
Chair: E. Alper

220 Various applications for decreasing of sulfur in lignite, J. Gulen

236 Adsorption of aniline from aqueous solutions onto Algerian Montmorillonite clay treated exchanged with diethylammonium: application in wastewater treatment, F. Mohammed-Azizi, S. Dib, M. Boufatit

275 A comparative study of elemental and ionic content of precipitation in Turkey, F. Ozturk, A.I. Ilhan

284 Adsorption of copper (ii) by activated carbon prepared from Tuncbilek lignite, I. Orbak, R. Yavuz, N. Karatepe

105 CO₂ utilization by photocatalytic conversion to lower hydrocarbons and alcohols, M.M. Oymak, B. Ipek, D. Uner

297 Investigation of the light hydrocarbons in bursa atmosphere, S. Yorulmaz, M. Civan, G. Tuncel

16:00-16:20 Refreshment Break
MONDAY, JULY 6, 2009

Chair: A. Hepbasli

531  Environmental impact and cost analysis of residential systems for concentrated solar power and heat production, C. Zamfirescu, I. Dincer, W.R. Wagar, T. Verrelli

245  Study of drying and gasification of biomass residues to produce energy, A. Al-Kassir, J. Ganan, R.A.. Al-Karany, J.S.J. Alonso

238  Harnessing wind energy in china to combat global warming, J. Li

421  Investigation of usage of hybrid renewable energy system on heating, cooling purposes by means of modeling and analyzing, O. Kincay, Z. Utlu, U. Akbulut, H. Agustos

189  Environmental impact of solar energy storage in building envelope for passive solar heating, Y.A. Kara, A.K. Cirakman, K.Comakli

212  Prospect of hybrid wind system in the region of Batna, Algeria, M. Aksas

16:20-18:20 Session: Global Warming Models        YAKUT
Chair: T. Barker

89  Spatial structure of connection between the troposphere heat content and variations of solar and geomagnetic activities, S.I. Molodykh, V.A. Kovalenko, I.A. Vasileva

90  The solar activity effect on the troposphere and scenario for climate changes in the 20th century, G.A. Zherebtsov, V.A. Kovalenko, S.I. Molodykh

337  Saharan desert dust radiative effects: a study based on atmospheric modeling, D. Santos, M.J. Costa, A.M. Silva, R. Salgado, A. Domingues, D. Bortoli

353  Estimation of CO2 concentration over Turkey by using dispersion model, A. Can, A.T. Atimtay

526  Ultraviolet actinic fluxes: measurement and derivation, A.R. Webb, A. Seroji, R. Kift

500  Carbon monoxide predictions in urban street by using CLINE-4 and CAL3QHC model, Q.M. Thanoon, N.C. Gupta, D.V. Gupta

16:20-18:20 Session: Greenhouse Gases and Air Pollution-I  ZUMRUT
Chair: B-K. Lee

296  Air quality monitoring using a ground-based uv-vis spectrometer at Évora station-Portugal, A.F. Domingues, D. Bortoli, A.M. Silva

47  Cost and benefit analysis of dry ice blasting for environmental friendly shipyards, F.T. Akanlar, U.B. Celebi, N. Vardar


276  Trajectory clustering for long range transport of aerosols in Northwestern Turkey, D.D. Genc, G. Tuncel

3  Impacts and management of oil spill pollution along the southern Iranian Coastal Areas in Persian Gulf, H.R. Sharifan, N. Banan

564  An environmental-benign fish drying technique for better quality and sustainability, A. Kilic, A. Midilli, I. Dincer

19:00-22:00  Welcoming Reception
**GLOBAL CONFERENCE ON GLOBAL WARMING 2009**

**TUESDAY, JULY 7, 2009**

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<tr>
<th>Time</th>
<th>Session: Sustainable Energy and Global Warming</th>
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<td>8:30-10:10</td>
<td><strong>Chair:</strong> M. Rosen</td>
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<td><strong>Special talk:</strong> Energy sustainability: illustrations of pathways, M. Rosen</td>
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<td><strong>Population and economic growth:</strong> assessing the principal determinants of carbon emissions, G.R. Cranston, G.P. Hammond</td>
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<td><strong>Flywheel electric storage systems:</strong> D. Esiyok</td>
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<td><strong>Effective integration of membranes for gas separation within an IGCC system for efficient downstream CO₂ capture:</strong> N.V. Gnanapragasam, B.V. Reddy, M.A. Rosen</td>
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<th>Time</th>
<th>Session: Climate Change Impacts-I</th>
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<td>8:30-10:10</td>
<td><strong>Chair:</strong> M. Croll</td>
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<td><strong>Climate change:</strong> an urban risk multiplier, A.L. Clark</td>
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<td>**The spatio-temporal-severity dynamics of drought in Botswana, B.J. Batisani, B. Yarnal</td>
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<td>**Antarctic Sea ice extent, concentration and properties derived from ship observations and satellite microwave data, B. Ozsoy-Cicek, P. Wagner, S.F. Ackley, H. Xie, A.E. Tekeli</td>
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<td>**Estimation of the economic effects of an increase in typhoon intensity in the Asia Pacific Region, M. Esteban, C. Webersik</td>
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<td>**Twenty million years of palaeoenvironmental evolution along the Southern African West Coast, D. Roberts</td>
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<th>Time</th>
<th>Session: Forestry–I</th>
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<td>8:30-10:10</td>
<td><strong>Chair:</strong> K. Kuchta</td>
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<td><strong>Wildfire management:</strong> a veritable tool for effective and sustainable development of forests as experienced in Ghana, D. Duodu-Asare</td>
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<td>**An investigation of the forest stand changes in lowland region of Guilan Province using remote sensing data, M.H. Khomami, A. Meraji, H.R.M. Jifroudi</td>
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<td>**Effects of deforestation on climate change, H. Poorbabaei, T. Abedi, R. Abedi</td>
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<td>**Study on floristic composition, chorology and ecological structure of Gisoum forest reserve, Talesh, Iran, M. Ravanbakhsh, T. Amini, H. Poorbabaei</td>
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<td>**Survey and identification of typhoon resistant reforestation species, A.N. Balaguer</td>
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<th>Time</th>
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TUESDAY, JULY 7, 2009

10:30-12:30  Session: Fuel Cells: Enabling Technologies for Cleaner Environment  SAFIR
Chair: F. Dogan

472  Special talk: Hydrogen and fuel cell analysis: stationary and portable applications, F. Dogan, S. Grasman

541  Some exergetic sustainability parameters for PEM fuel cells, A. Midilli, I. Dincer

539  Efficiency and environmental impact assessments of a trigeneration plant using SOFC and ORC, F. Al-Sulaiman, I. Dincer, F. Hamdullahpur

33  Direct ethanol fuel cells as alternative energy generation systems, H. Kivrak, D. Uner


10:30-12:30  Session: Energetic and Environmental Issues-II  YAKUT
Chair: M. Kanoglu

168  Nuclear wastes: facultative disposal methods, L. Kazemi, T. Abedi, A. Meraji

471  The role of wall and roof design in amount of energy consumption in Erbil City’s newly built houses and its effect on human ecology, A. Ahmed

514  Factors influencing waste management in Jinja Municipal Council (JMC), S.M. Mbidde

515  Excreta, solid waste disposal and water supply in urban centres in Rakai, N. Elisha

148  Thermodynamic analysis of carbon sequestration methods in lignite power plants, C.J. Koroneos, D.C. Rovas

295  Investigation of combustion of waste biomass: Case study for telephone poles treated with chemicals, S. Yorulmaz, A. Atimtay

10:30-12:30  Session: Chemical Aspects-II  ZUMRUT
Chair: S.P. Bindra

377  The kinetics of carbon dioxide capture by solutions of piperazine and n-methyl piperazine, F.P. Gordesli, E. Alper

285  Adsorption of SO₂ from flue gas onto activated carbon, I. Orbak, N. Karatepe, R. Yavuz

130  A review on carbon capture by adsorption and storage methods, O. Ergun, S. Borukhova, S. Aras, A. Yilmaz, D. Uner

184  Effect of metal impregnation on flue gas desulfurization by olive stone based-activated carbon, E. Cetinkaya, N. Karatepe, R. Yavuz

40  Study of nickel aluminate catalysts in dry reforming of methane reaction to syngas, N. Salhi, C. Petit, A.A. Kiennemann, C. Rabia

568  Major ion chemistry in a semi-arid aquifer in Central Iran, I. Khodapanah, W.N.A.. Sulaiman

12:30-14:00 Lunch Break
TUESDAY, JULY 7, 2009

14:00-16:00 Session: Global Warming: River Basin Ecology-I 
SAFIR  
Chair: W. Bowers  
474 Special talk: Humber river basin research, D. Strickland, W. Bowers  
477 Documenting the natural and human environment of the humber river basin of Western Newfoundland: a case study of micro- and macro-environmental history, R. Baehre  
475 Monitoring changes in land cover and forest type for the humber river basin using satellite imagery and GIS, J.E. Luther, O.R. Van Lier, D. Piercey  
476 Management and delivery of geospatial data and tools in support of integrated land management within the Humber river basin, D. Piercey, J.E. Luther, B. Hearn  
478 Humber river basin - environmental planning, N. Novakowski

14:00-16:00 Session: Chemical Aspects-III  
YAKUT  
Chair: V.A. Kovalenko  
19 Impact of surface ocean acidification on the CO2 absorption rate, A. Shanableh, T. Merabtene, M. Omar, M. Imteaz  
45 Green method for the synthesis of schiff bases, P. Mathur, P. Tomar  
74 Contribution to the electrocoagulation treatment of the painting effluents, M.T. Ahmed, T. Chaabane, N. Sabba, R. Maachi., D. Akretche  
85 Synthesis and characterization of Cu/Co-Mg/Al-hydrotalcites based catalysts for the methane dry reforming reaction, S. Houaidji, D. Halliche, F. Touahra, O. Cherifi, F. Bali, L. Jalowiecki-Duhamel  
332 Removal of mercury (II) from wastewater effluent, M.S. Medjram, C. Bouchelta

14:00-16:00 Session: Modeling and Simulation of Energy Systems-I  
ZUMRUT  
Chair: C.J. Koroneos  
581 CFD modeling of NOx formation in a pilot CFBC power plant, A. Nikolopoulos, I. Rampidis, N. Nikolopoulos, P. Grammelis, E. Kakaras  
1 Development of mathematical steady state model for cold box in an ethylene production line, M Adam, Y. Eltaweil, M.E. Ossman, A Konsowa  
22 Numerical simulation of a u-shaped type underground heat exchanger in a ground-coupled heat pump (GCHP) system, A. Rostamzadeh, S.H. Shafagh  
112 Numerical analysis of heat transfer in some corrugated channels, A. Hajizadeh Aghdam, M.T. Shervanitabar, M.H. Djavareshkian  
207 Heat and mass transfer in an ecosystem in transient regime, Z. Aouachria  
392 CFD modeling of a close-coupled catalytic converter, E. Gemici, M. Aydin

16:00-16:20 Refreshment Break
16:20-18:20 Session: Global Warming: River Basin Ecology-II

Chair: J. Luther

479 Evaluation of Artvin-Murgul black locust plantations in terms of biomass production, carbon storage, soil quality improvement and erosion control compared to adjacent Grassland areas, A. Tufekcioglu, S. Guner

465 Incorporating water production into forest management planning: a case study in Yalnizcam planning unit, E.Z. Baskent, D. Mumcu Kucuker

282 Red tide and water pollution, S. Sajjadi, S.A. Sajjadi

308 Water masses and nutrients in a minor Mediterranean estuary under large damming (the mafrag estuary, Algeria), M. Ounissi, A. Haridi, O-R. Ziouch, M. Khelifi-Touhami

394 A multisystem climate change adaptation process for water sustainability in regional Australia, A. Perdomo, O. Hussain, T. Dillon, E. Chang

193 Sediments analyses in a river severally polluted by acid mine drainage in the North East of Algeria, C. Boukhalfa


Chair: A.L. Clark

384 Multimedia, pollution and peace negotiations with mother earth: whose responsibility?, M.M. Huleihil, H.L. Huleihil

396 Rainfall variability and trends in semi-arid Botswana: implications for climate change adaptation policy, B.J. Batisani, B. Yarnal

376 The position of petroleum stations in Turkey from the aspect of statistics and law, O. Armagan, M. Akin

175 Safety endangerment as a consequence of global warming, M. Blagojevic

190 Identification of issues and evaluation of CDM framework for Indian industry sector, Y. Komalirani

16:20-18:20 Session: Energy and Exergy-I

Chair: B.V. Reddy

565 Biomass based energy systems to meet the growing energy demand with reduced global warming: role of energy and exergy analyses, B.V. Reddy

86 Exergo-exergetic analysis of micro pin fin heat sinks, T.Z. Ates, A.C. Ergur, A. Kosar

254 Exergy based industrial ecology analysis and assessment of integrated and separate heat and power production systems, A. Abusoglu, M. Kanoglu

484 Exergy cost analysis of a diesel engine fueled with various fuels, H. Caliskan, A. Hepbasli


549 Examination of global effects of exergetic inefficiency in the cement sector, Z. Sogut, Z. Oktay, H. Karakoc

19:30-23:00 Banquet and Awards Ceremony
WEDNESDAY, JULY 8, 2009

8:30-10:10  Session: Education, Awareness and Training on Climate Change-I  
Chair: W. Leal

305 Special talk: The contribution of education towards meeting the challenges of climate change, W. Leal, E. Manolas, P. Pace
291 Renewable energy networks between Turkish & European universities (renet), B. Demirel, T.T. Onay, O. Yenigun
221 Renet “network in renewable energies between Turkish and European universities, K. Kuchta, K. Haker
310 Climate is changing, can we? A scientific exhibition in schools to understand climate change and raise awareness on sustainability good practices, V. Grasso, S. Baronti, F. Guarnieri, R. Magno, F. Vaccari, F. Zabini

8:30-10:10  Session: Climate Change Impacts-II  
Chair: M. Peepre

370 The climatic oscillations of Turkey in recent years, H. Toros
20 Linkages between climate change and desert development, H.M. El-Magerbi, I.M. Saleh, S.P. Bindra, E. Otman, A. Abughris, A.G.M. Ramadan
550 Perceptions relating scenarios concerning global environmental disasters: a survey across Izmir, E. Kamanlioglu, H. Kupeli
349 Impact of land cover change on the summer climate of the Marmara Region, Turkey, E. Sertel, C. Ormeci, A. Robock
183 Evaluation and mitigation strategies of global warming effects by refrigerants emitted from car recycling, B-K. Lee, S. Byeon

8:30-10:10  Session: Forestry-II  
Chair: N. Azbar

132 Investigation of sowing depth and seed orientation on seedling growth of bamboo (dendrocalamus hamiltonii), A. Meraji, T. Abedi
217 Investigation of beech increment in elevation levels with trend of climatic changes (case study: Asalem Basin), A. Esfami, M. Roshani, B. Amanzadeh, A.M. Torkashvand
253 Experimental investigation on thermal and dielectric properties of date palm fibres and their use as insulating materials, B. Agoudjil, A. Benchaaban, I. Ibos
338 Urban forestry as a solution for global warming, S.A. Alawais

10:10-10:30  Refreshment Break
WEDNESDAY, JULY 8, 2009

10:30-12:30 Session: Education, Awareness and Training On Climate Change-II

Chair: W. Leal

- Climate research and technology meet education: the field experience of a group of high school students to increase awareness on climate change, R. Magno, S. Baronti, R. Grassi, S. Taddei, V. Grasso, F.P. Vaccari
- Voluntary agreements as a vehicle for policy learning, P. Stigson, E. Dotzauer, J. Yan
- Integrating climate change into kenyan schools' curriculum, K. Odero
- Response of Nigerian universities to climate change: an analysis of programmes and initiatives in selected universities, R. Ingwe
- Applied research on greenhouse effect and climate change at school, F. Ugolini, D. Marandola, L. Massetti, M. Tomassone, M. Lanini, A. Raschi
- Identifying problems when following up the effects of local climate change mitigation projects and programmes-experiences from the city of Stockholm, S. Johansson, N. Brandt, R. Wennersten

10:30-12:30 Session: Water Resources and Management Issues

Chair: N. Novakowski

- The importance of wastewater treatment in shipbuilding industry, F.T. Akanlar, U.B. Celebi, N. Vardar
- Review on municipal sewage sludge management in Turkey and Europe, A. Wurz, T. Onay, K. Kuchta
- Changing water consumption patterns and behaviors as means of water demand management in the Kingdom of Saudi Arabia, K.H. Al-Zahrani
- Irrigation water management for Alwajid aquifer in Saudi Arabia, S.H. Alkhatani
- Simultaneous energy and water minimization in multiple-contaminant systems with flowrate changes consideration, A. Ataei, M.H. Panjeshahi
- Cost optimization model for water supply networks, E. Mendi, C. Bayrak

12:30-14:00 Lunch Break
### 14:00-16:00 Session: Hydrogen Energy Technologies for a Sustainable Future
#### SAFIR
**Chair:** G. Naterer

**473 Special talk:** Recent Canadian advances in sustainable hydrogen production, G. Naterer

**507 Comparative evaluation of hydrogen production potential of some clostridium species and their co-cultures with undefined anaerobic mixed culture,**
N. Azbar, F.T. Cetinkaya Dokgoz, T. Keskin, R. Eltem

**537 Reducing greenhouse gas emissions by a copper-chlorine water splitting cycle driven by sustainable energy sources for hydrogen production,**
C. Zamfirescu, G. F. Naterer, I. Dincer

**534 Cost and efficiency analysis of nuclear-based hydrogen production through a copper-chlorine thermochemical cycle,**
M.F. Orhan, I. Dincer, M.A. Rosen

**533 Comparison of some geothermal-based hydrogen production methods for better environment and sustainability,**
M.T. Balta, I. Dincer, A. Hepbasli

### 14:00-16:00 Session: Greenhouse Gases and Air Pollution-II
#### YAKUT
**Chair:** K.H. Al-Zahrani

**136 Optimum organic loading rate for semi-continuous operation of an anaerobic process for biogas production from jatropha curcas seed cake,**
N. Sinbuathong, B. Sillapacharoenkul, R. Khun-anake, D.KJ. Watts

**268 Role of landfills in increasing greenhouse gases emission - case study: Tehran landfills methan emission rate, measured by landgem model,**
L. Ahmadi, A. Ahmadi, Aa. Ahmadi

**525 Variations of weekly atmospheric deposition in Erzurum, Turkey,**
S. Ocak

**288 Spatial distributions of organic and inorganic pollutants at Aliaga, Turkey,**
M. Civam, T. Elbir, R. Seyfioglu, S. Sofuoglu, A. Bayram, A. Muezzinoglu, M. Odabasi, G. Tuncel

**522 Investigation of t shape geometry for the collection of pollution particles,**
M. Mercimek, H. Yildirim, A.F. Miguel, M. Aydin

**545 A parametric study on environmental impact assessment of explosive volcanoes,**
F. Aydin, A. Midilli, I. Dincer

**264 Environmental impact assessment of the St. Helens volcanic eruption: A case study,**
F. Aydin, A. Midilli, I. Dincer
14:00-16:00 Session: Climate Change Impacts-III
Chair: K. Odero

- Mitigating climate change through oil palm cultivation, F.K. Yew, K. Sundram, B. Yusof
- Climate change in the agricultural regions of Jordan, K.K. Alzboon, A. Dahamsheh
- Disaster risk reduction efforts and factors affecting flood disaster management: a case study of Katakiwi district-olupe and ngariam camps, M. Silas
- Effects of agriculture on GHGS and mitigable practices, L. Kazemi, T. Abedi, A. Meraji, M. Ravanbakhsh
- Impact of increased temperature on malaria transmission in Burundi, H. Nkurunziza, J. Pilz
- The level of awareness of farmers regarding the negative effects of pesticides on the environment in the Dawadmi region in Saudi Arabia, A.B.A. Alzaidi, E. Ahmed, S.H. Al-Otaibi

16:00-17:00 Poster Sessions and Refreshment Break

(The poster presenters are requested to present by their posters to explain the work during this poster session. The posters should be set up between 08:00h and 08:30h and should remain up the entire day until 18:00h.)

Chair: C.O. Colpan

- Adsorption of phenolic pollutants on porous copper materials. A comparative study, K. Abdmeziem, Y. Roumila, Y. Bagtache, Y. Mekhezoumi, Y. Couchot
- The resilience of global warming, N.H. Afgan
- Chemical composition of the essential oil of marjoram (origanum majorama l.) from Algeria, F. Tazerouti, F.Z. Bendjerssi, B.I. Djerdjouri, B.Y. Meklati
- Treatment of wastewater containing heavy metals studies of the extraction of copper (II) and lead (II) from middle chlorhydric acid, F. Hassaine-Sadi, S. Chelouaou
- Analysis of natural substances using a new liquid crystal as stationary phase, S. Said
- Novel plasticizer, synthesis of ortho-nitrophenyl octanoate (2-npot) and their application in the preparation of polymer inclusion cellulose triacetate membrane, N. Benosmane, B. Boutemeur, S.M. Hamdi, M. Hamdi
- Synthesis and foam power of new biodegradable surfactants, R. Mousli, A. Tazerouti
- Analysis of natural substances using a new liquid crystal as stationary phase, S. Sebih, F. Athman, S. Boudah
- Application of liquid crystal as stationary phase for determination of derivatives phenol in waste water using solid phase extraction, S. Boudah, R. Améraoui
- Structure-nlo property relationships in octupolar materials: tdhf and tddft studies, Y. Bitar, D. Hammoutene
Olive oil characterization: an experimental and theoretical study, S. Kaddour, D. Hammoutene

Mesoporous activated carbons obtained from date pits: pore structure development, characterization and adsorption of dyes from aqueous solution, N. Bouchemal, F. Addoun


Vanadium effect on human health. Impulsional pulse polarography a rapid method of concentration’s determination of metal in aqueous solutions, S. Boutamine, Z. Hank

Determination of the chemotype of the rosemary in four regions of Algeria: chrea, ghardia, tebessa and tlemcen, N. Tigrine-Kordjani, F. Chemat, B.Y. Meklati


Solar radiation impact against the chemical composition of twigs essential oils from Algerian Cedrus Atlantica M.Tree, L. Boudarene, A. Baaliouamer

An evaluation on PAH degradation and characteristics as media of PVA-derivative hydrogels prepared by using a CGA technique, S.H. Kwon, M. Yoon, D. Cho

Removal of cadmium ions from aqueous solutions using natural clay, A. Khourider

Environment impact from ash disposal of the thermal power plant “Kosova A, S. Avdullahi, I. Fejza, R. Bytyqi

Sheep milk for production cheese Kackavall in Kosova, M. Shukri, H. Beka, I. Fejza, A. Ademi, A. Behrami

An efficient route to synthesis of 3-(ethylimino)-1-(5-hydroxy-3-methyl-1-phenyl-1h-pyrazol-4-yl) butan-1-one, derivatives of pyrazolin-5-one, synthesis assisted by microwave, R. Yahia

Composition of the volatile oil from the aerial parts of Algerian (bejaia) inula viscose (I.) Aiton, M. Abdelahdi, F. Abdellatif, B. Berka, A. Hassani

Vertical distribution of phytoplankton community related to water quality in boukerdene reservoir, North of Algeria, S. Houli, A. Aouabed, N. Bouaicha, F. Ammour

Biosorption of zinc and cadmium by green algae species: a comparative study, F. Ammour, H. Derias, S. Houli, A. Kettab

Chemical composition of essential oil of melissa officinalis I and teucrium polium I growing in Algeria, F. Abdellatif, M. Abdellahdi, B. Berka, A. Hassani

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Chair: I. Dincer

- **546** Efficiency and environmental impact analyses of biomass based power production systems, C.O. Colpan, F. Hamdullahpur, I. Dincer, Y. Yoo
- **535** Environmental impact and cost analyses of ammonia as a hydrogen source, C. Zamfirescu, I. Dincer
- **202** Solid oxide fuel cell waste heat recovery using organic rankine cycles (ORCs), M. Yari, N. Javani
- **413** Effect of various losses on solid oxide fuel cell performance, H. Mahceng, H.B. Moussa, M. Salah, H. Bouguettaia, D. Bechki
- **544** Environmental impact assessment of solar electricity and hydrogen production, A.S. Joshi, B.V. Reddy, I. Dincer

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- **5** Study the effects of global warming on coral reefs, N. Banan, H.R. Sharifian
- **12** Concentrations of mercury in the liver tissue of golden jackal (canis aureus) from the region of Noor, Iran, H. Malvandi, A. Esmaili-Saria, S.M. Ghasempouria, H. Sharifan, N. Banan
- **15** Biological indication potential of grey mangrove, avicennia marina as biointicator of heavy metals pollution, H.R. Sharifan, P. Farshchi, M.S. Mortazavi, M.R. Bihamta, N. Banan
- **140** Study on biodiversity of herbaceous species in the rural heritage museum of Guilan, Iran, H. Poorbabaei, R. Abedi
- **269** Biodiversity changes by the alien ctenophore, mnemiopsos leidy invasion in the Southern Caspian Sea, A. Roohi, A.E. Kideys, A. Sajjadi, R. Pourgholam, A. Hashemian, H. Fazli, A.G. Khenari
- **10** Some data on the genetic structure of the human population in Albania, M.L. Cekani, H. Mankolli
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29 Global warming is natural: enjoy it, R. Arya

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