

MONDAY, JULY 7, 2008 (continued)

Time	Room A: Pinar 1	Room B: Pinar 2	Room C: Pinar 3
16:20-18:20	Session: Global Warming Models - I Chair: J. Warnken	Session: Ecosystem and Biodiversity - I Chair: I.S.F. Jones	Session: Chemical Aspects-I Chair: L. Karlin
	(#808) "SUSTAINABILITY RISK MANAGEMENT-BASED APPROACH TO GLOBAL WARMING: "C _{GW} MODEL", <u>A.K. Yilmaz</u> , H. Karakoc (#378) "CROP YIELD AND CO ₂ FIXATION MONITORING IN ASIA USING A PHOTOSYNTHETICSTERILITY MODEL WITH SATELLITES AND METEOROLOGICAL DATA", <u>D. Kaneko</u> , T. Kumakura, P. Yang (#436) "COMPARISON OF STATIONARY AND NON-STATIONARY EXTREME VALUE MODELS IN CLIMATE CHANGE STUDIES", <u>J. Kysely</u> , J. Picek, R. Beranova (#467) "CALCULATION OF GLOBAL SOLAR RADIATION BASED ON CLOUD DATA FOR MAJOR CITIES OF SOUTH KOREA", <u>H. Yoo</u> , K. Lee, S. Park, K. Noh (#593) "COAL AND FUEL BURNING EFFECTS ON THE ATMOSPHERE AS MEDIATED BY THE ATMOSPHERIC ELECTRIC FIELD AND GALACTIC COSMIC RAYS FLUX", <u>A. H. Reis</u> , C. Serrano (#359) "BLOCKING SUN WITH ORBITING BALLOONS", <u>C. Park</u>	(#310) "THE RELATIONSHIP BETWEEN PLANT DIVERSITY AND PHYSIOGRAPHIC FACTORS IN GHALARANG PROTECTED AREA, ILAM, WESTERN IRAN", <u>H. Poorbabaei</u> , M. Heydari, A. Najafifar (#448) "COASTAL UPWELLING VARIABILITY ALONG THE SOUTHWEST COAST OF INDIA – GLOBAL WARMING", <u>K. M. Krishna</u> (#453) "LIFE ON EARTH FROM SINGLECELLULAR ORGANISMS TO MULTICELLULAR ORGANISMS - Impact Of Global Warming On Life", <u>K. Gupta</u> (#463) "BIOLIMATIC EVALUATIONS IN THE MOUNTAINOUS ECOSYSTEM OF DAJT-TIRANA", <u>H. Mankolli</u> (#477) "ECOLOGICAL EFFECTS OF HEAVY METALS (CD, PB, HG, CR) AND ITS STATE IN PHYTOPLANKTONIC ALGAE AND ZOOPLANKTONIC ORGANISMS IN ABANT LAKE –TURKEY", <u>T. Atici</u> , A. Altindag, S. Ahiska, O. Obali (#472) "PHENOLOGICAL ADAPTATION OF CEREAL WEEDS TO CLIMATE VARIATIONS", <u>F. Mohamed</u> and B. Mustapha	(#235) "THE EFFECT OF OXIDATIVE MEDIUM FOR DECREASING OF SULFUR&MINERAL MATTER OF ÇAN LIGNITE", <u>J. Gülen</u> (#542) "CHARACTERIZATION OF METAL PLATING SLUDGE TO IDENTIFY ITS ENVIRONMENTAL RISKY", <u>Ö. Dere</u> , M. Sari, A. Kanturk, S. Piskin (#543) "H ₂ SO ₃ LEACHING CHARACTERISTICS OF TOXIC METALS RECOVERY FROM PLATING SLUDGE", <u>Ö. Dere</u> , A. Kanturk, M. Sari, S. Piskin (#293) "THE BIOSORPTION KINETICS OF CU(II) BY <i>ULOTHRIX ZONATA</i> FROM AQUEOUS SOLUTIONS", <u>E. Malkoc</u> , Y. Nuhoglu (#554) "THE EFFECT OF REDUCTIVE MEDIUM FOR DECREASED OF UNDESIRE PARTS OF ÇAN LIGNITE", <u>J. Gülen</u> (#27) "FROM CO ₂ TO ALGAE TO FUEL - AN INTEGRATED PROCESS ENGINEERING APPROACH", <u>G.M. Forde</u> , A. Hoadley, P. Webley, X. D. Chen, K.W. Chua, L.M. Ang, G.C. Gardner, J. Wajchman, N. Mohemani
19:00-21:00	Welcoming Reception		

TUESDAY, JULY 8, 2008

Time	Room: Pinar 1		
8:30-10:10	Chair: T. Barker Keynote Address-5: "THE GLOBAL TRANSITION TO SUSTAINABLE ENERGY", G.R. Grob and Keynote Address-6: "COMBATING GLOBAL WARMING VIA NON-FOSSIL FUEL ENERGY OPTIONS", M. A. Rosen		
10:10-10:30	Refreshment Break		
	Room A: Pinar 1	Room B: Pinar 2	Room C: Pinar 3
10:30-12:30	Session: Renewable Energy Sources and Carbon Mitigation- Their Impact on Global Warming Chair: C. Koroneos	Session: Sustainable Energy and the Environment -I Chair: H. Yoo	Session: Greenhouse Gases and Air Pollution Chair: A.M. Colpan
	(#283) "FACTORS AFFECTING GLOBAL WARMING: ENVIRONMENTAL IMPACT OF SOLAR COOLING AND SOLAR STEAM GENERATION", <u>L. Colak</u> (#357) "CAPACITY OF UNDERGROUND WATER PUMPING USING WIND ENERGY CONVERSION SYSTEMS AT DHAHRAN, SAUDI ARABIA", <u>A.Z. Sahin</u> , A. Bolat, A. Al-Ahmari (#421) "GLOBAL WARMING: DESERT HEAT COLLECTION AND CONVERSION INTO ELECTRICITY", <u>M.M. Elarbash</u> (#498) "BIOFUELS TECHNOLOGY PLATFORM OF THESSALY, GREECE", <u>S. Bezergianni</u> , V. Kazantzi (#630) "ROLE OF RENEWABLE ENERGY IN SUSTAINABLE DEVELOPMENT", A.S. Joshi, <u>J. Dincer</u> , B.V. Reddy (#519) "STEAM NETWORK OPTIMIZATION BY UTILIZING BIOMASS AND SOLAR ENERGY SOURCES IN AN OIL REFINERY", M.H. Panjeshahi, S. Perry, <u>L. Ahmadi</u>	(#631) "TOWARDS GREEN CONSTRUCTION FOR REDUCING GLOBAL WARMING", <u>A.M. Yadghar</u> (#407) "EFFECT OF CLEAN ENERGY ON THE SUSTAINABLE DEVELOPMENT OF RURAL AREAS", H.R. Sharifan, J. Farzadmehr, <u>N. Banan</u> (#648) "A STRATEGIC PROGRAM TO REDUCE GREENHOUSE GASES EMISSIONS PRODUCED FROM FOOD INDUSTRY", <u>A. Kilic</u> , A. Midilli and I. Dincer (#565) "ARCHITECTURAL APPROACHES OF GLOBAL WARMING WITH RECENT DEVELOPMENTS FROM TURKEY AND OTHER COUNTRIES", <u>P. Yildiz</u> (#420) "SUSTAINABLE PRACTICES IN MALAYSIA: ARE WE READY FOR IT?", <u>N.Z. Abidin</u> (#402) "ENVIRONMENTAL EDUCATION AND TRAINING IN THE RUSSIAN FEDERATION WITHIN THE FRAMEWORK OF BOLOGNA PROCESS", <u>L. Karlin</u> , L. Savelyev	(#364) "NITROUS OXIDE EMISSION FROM AGRICULTURAL PRACTICES IN JAPAN", <u>S. Mishima</u> , H. Akiyama, K. Yagi (#426) "THE CLUSTERIZATION OF GREENHOUSE GASES, THE ANTUGREENHOUSE EFFECT", A.Y. Galashev, <u>O.R. Rakhmanova</u> , V.N. Chukanov (#438) "THE RELATIONSHIP BETWEEN AIR POLLUTANTS AND SOME METEOROLOGICAL PARAMETERS IN ERZURUM, TURKEY", <u>S. Ocak</u> , F.S. Turalioglu (#449) "LIFE CYCLE ASSESSMENT STUDIES ON GREEN HOUSE GAS REDUCTION OPPORTUNITIES IN INDIAN INTEGRATED STEEL SECTOR", <u>A. Bandopadhyav</u> (#445) "MULTIMEDIA POLLUTANT SOURCES, THEIR EFFECTS TO ENVIRONMENT AND WASTE MANAGEMENT PRACTICE IN TURKISH SHIPYARDS", <u>U. B. Celebi</u> , F. T. Akanlar, N. Vardar (#552) "CO ₂ EMISSION TO ATMOSPHERE AND BIOLOGICAL SCALING LAWS", <u>A. F. Miquel</u>
12:30-14:00	Lunch Break		

TUESDAY, JULY 8, 2008 (continued)			
Time	Room A: Pinar 1	Room B: Pinar 2	Room C: Pinar 3
14:00-16:00	Session: Project Based Mechanisms and Post-Kyoto Chair: H. Imai	Session: Sustainable Energy and the Environment -II Chair: A.H. Reis	Session: Global Warming: Policies and Challenges -I Chair: S. Kocabiyik
	(#800) "THE IMPACT OF EX-ANTE VERSUS EX-POST CDM BASELINES ON A MONOPOLY FIRM", <u>J. Akita</u> , H. Imai, H. Niizawa (#801) "BASELINE-AND-CREDIT MECHANISM AND POST-2012", <u>H. Niizawa</u> (#596) "EMISSION MARKET AT THE END OF THE COMMITMENT PERIOD", I. Haruo, <u>I. Ryosuke</u> (#473) "UNILATERAL CLIMATE CHANGE MITIGATION, CARBON LEAKAGE AND COMPETITIVENESS: AN APPLICATION TO THE EUROPEAN UNION", T. Barker, <u>S.S. Scricciu</u> (#521) "ADDRESSING URBAN AIR QUALITY AND GLOBAL CLIMATE CHANGE: INTERNATIONAL EXPERIENCE WITH TRANSPORTATION", <u>M. Labriet</u> , N. Caldés, L. Izquierdo (#811) "IMPLICATIONS OF RATIFICATION - WHAT WILL BE THE ROLE OF TURKISH VOLUNTARY MARKET IF TURKEY RATIFIES KYOTO?", <u>A.S. Özcelik</u>	(#518) "ENVIRONMENTAL EFFECTS OF INTEGRATING RENEWABLE ENERGIES IN PROCESS INDUSTRIES", M.H. Panjeshahi, S. Perry, <u>L. Ahmadi</u> (#524) "INFLUENCE OF OPERATING PARAMETERS AND ASSOCIATED CO ₂ EMISSIONS WITH SURFACE RETORTING OF JORDANIAN OIL SHALE", <u>J.O. Jaber</u> (#526) "INDUSTRIES FLARING CONTROL", K.K. Nowaishi, F. Al-Khaldi, M.S. Ba-Shammakh, <u>M.A. Abdulmoghni</u> (#559) "USING DRY ICE TO TREAT THE GLOBAL WARMING", <u>H.M. Ismael</u> , N.R. Abdulghani, D.R. Abdulghani, R.H. Kareem (#383) "ENVIRONMENTAL AND ECONOMIC ISSUES FROM CHANGING A MAJOR FUEL TYPE AS ENERGY RESOURCES IN AN INDUSTRIAL CITY, KOREA", <u>B. Lee</u> , K. Kim (#609) "CARBON SEQUESTRATION: A METHODS COMPARATIVE ANALYSIS", <u>C. J. Koroneos</u> , D. C. Rovas	(#430) "FRAMEWORK OF TEXTILES MANUFACTURING INDEX", <u>Y. S. W. Sophie</u> , C. K. P. Stephen (#564) "GLOBAL WARMING, DECISIVE FACTOR OF UNIFORMITY SEASONS", <u>M. Ciobanu</u> , M. Ciobanu, M. Mazilu (#582) "GLOBAL WARMING AVOIDED EMISSIONS WITH THE ADOPTION OF BIOFUEL POLICIES IN SPAIN", <u>Y. Lechón</u> , H. Cabal, N. Caldés, M. Santamaria, R. Sáez. (#591) "ENGINEERING CHALLENGES AND OPPORTUNITIES OF NORTHERN PASSAGE IN THE 21ST CENTURY", <u>G. Inci</u> (#597) "GLOBAL WARMING: IS A NEW THREAT?", <u>A. Eminoglu</u>
16:00-16:20	Refreshment Break		
	Room A: Pinar 1	Room B: Pinar 2	Room C: Pinar 3
16:20-18:20	Session: Ecosystem and Biodiversity - II Chair: N. Caldes	Session: Hydrogen Production and Fuel Cells - I Chair: F. Dogan	Panel Discussion Session: Climate Change Vulnerability of Water Resources and Mitigation Chair: Z. Sen
	(#428) "WARMING TENDENCY IN THE EASTERN MEDITERRANEAN BASIN AND ITS INFLUENCE ON Culex pipiens POPULATION ABUNDANCE AND ON THE PROBABILITY OF WEST NILE FEVER OUTBREAKS (ISRAELI CASE STUDY: 2000-2005)", <u>S. Paz</u> (#563) "DISCOVERY OF ANTIMATTER SOLVING GLOBAL WARMING", <u>M. A. A. Elkholy</u> (#580) "GLOBAL WARMING AND WHEAT PRODUCTION IN ARGENTINA", <u>G. O. Magrin</u> , M. I. Travasso, G. R. Rodriguez, S. Solman, M. Nuñez (#643) "CYANOBACTERIA FOR MITIGATING METHANE EMISSION FROM SUBMERGED PADDY FIELDS", <u>U. Mishra</u> , S. Anand (#233) "QUANTIFYING CARBON SEQUESTRATION IN A PROSOPIS CINERARIA - DOMINATED DESERT OF THE UAE", <u>T. Ksikisi</u> , O. Binhajraf (#586) "EVALUATION OF DROUGHT CHANGES IN ISFAHAN PROVINCE", <u>M. R. Yazdani</u> , J. Khoshhal, A. Honarbakhsh, M. Azad	(#502) "ENVIRONMENTALLY-BENIGN NUCLEAR-BASED HYDROGEN PRODUCTION THROUGH A COPPER-CHLORINE THERMOCHEMICAL CYCLE", <u>M.F. Orhan</u> , I. Dincer, M.A. Rosen (#577) "A PARAMETRIC STUDY ON EXERGETIC ASPECTS OF HYDROGEN ENERGY IN REDUCING FOSSIL FUEL CONSUMPTION", <u>A. Midilli</u> , I. Dincer (#584) "REDUCTION OF GREENHOUSE GAS EMISSIONS USING VARIOUS THERMAL SYSTEMS IN A LANDFILL SITE", <u>C.O. Colpan</u> , I. Dincer, F. Hamdullahpur (#619) "HYBRID SOLAR-HYDROGEN SYSTEMS FOR BETTER ENVIRONMENT AND SUSTAINABILITY", <u>A. Yilanci</u> , I. Dincer, H. K. Ozturk (#626) "ENVIRONMENTALLY-BENIGN HYDROGEN PRODUCTION FROM AMMONIA FOR VEHICLES", <u>C. Zamfirescu</u> , I. Dincer	Special Talk: (#802) "CLIMATE CHANGE VULNERABILITY OF WATER RESOURCES AND MITIGATION", <u>Z. Sen</u> Panelists: • <u>A. Uyumaz</u> , Hydraulics and Water Resources Department, Istanbul Technical University, Turkey • <u>M. Kadioglu</u> , Meteorology Engineering Department, Istanbul Technical University, Turkey • <u>N. Agiralioğlu</u> , Chairman of 5. World Water Forum 2009 and Hydraulics and Water Resources Department, Istanbul Technical University, Turkey • <u>M.E. Birpinar</u> , Istanbul Provincial Environment Director, Yildiz Technical University, Turkey
19:30-23:00	Banquet and Awards Ceremony		

WEDNESDAY, JULY 9, 2008	
Time	Room: Pinar 1
	Chair: H.L. MacLean
8:30-10:45	Keynote Address-7: "SUSTAINABLE ENERGY - WITHOUT THE HOT AIR", D.J.C. MacKay Keynote Address-8: "GAME ANALYSIS OF KYOTO AND POST-KYOTO SCHEMES", H. Imai and Keynote Address-9: "UNFCCC PROCESS TO COMBAT GLOBAL WARMING AND THE OUTCOMES FROM THE BALI CONFERENCE", K. Simeonova
10:45-11:00	Refreshment Break

WEDNESDAY, JULY 9, 2008 (continued)			
Time	Room A: Pinar 1	Room B: Pinar 2	Room C: Pinar 3
11:00-12:30	Session: Sustainable Thermal Management for Better Environment Chair: M. Arik	Session: Water Resources and Management Issues Chair: T. Sawa	Session: Thermal Energy Storage Chair: H. Paksoy
	(#405) "ENERGY EFFICIENT SOLID STATE LIGHTING AND THERMAL MANAGEMENT FOR A SUSTAINABLE FUTURE", <u>M. Arik</u> , A. Setlur (#433) "SUSTAINABLE ENERGY FOR TRANSPORTATION APPLICATIONS", <u>R.L. Evans</u> (#549) "BUILDING BRIDGES; INTEGRATED APPROACH FOR SUSTAINABLE DEVELOPMENT THROUGH POSITIVE IMPACT PROGRAMMING", <u>T. Goldberg</u> (#578) "A LIFE CYCLE GREENHOUSE GAS EMISSIONS PERSPECTIVE ON LIQUID FUELS FROM CANADIAN AND U.S. UNCONVENTIONAL FOSSIL SOURCES", J.M. McKellar, A.D. Charpentier, J.A. Bergerson, <u>H.L. MacLean</u> (#611) "EMBODIED CARBON: THE CONCEALED IMPACT OF RESIDENTIAL CONSTRUCTION", G.P. Hammond, <u>C.I. Jones</u>	(#356) "DAILY PAN EVAPORATION ESTIMATION USING ADAPTIVE NEURO FUZZY INFERENCE SYSTEMS", <u>E. Dogan</u> , M. Sandalci, M. Gumrukcuoglu (#373) "IMPACTS OF CLIMATE CHANGE ON WATER RESOURCES IN SAUDI ARABIA", <u>F. M. Al Zawad</u> (#395) "EFFECTS OF WATER MANAGEMENT ON METHANE EMISSION FROM RICE FIELDS BY THE REVISED DNDC MODEL", <u>K. Smakgahn</u> (#475) "NORTH-SOUTH GAP IN WASTEWATER MANAGEMENT, A COMPARISON STUDY FOR GERMANY AND JORDAN", M. Barjenbruch, <u>K. AlZboon</u> (#494) "EFFECTS OF WATER MANAGEMENT WORKS IN TARNAVE RIVER BASIN, ROMANIA", <u>M. Voda</u> , V. Sorocovschi, R. Ratiu	(#370) "FEASIBILITY STUDY, IMPLEMENTATION AND PERFORMANCE EVALUATION OF A THERMAL ENERGY STORAGE SYSTEM", <u>M.E.S. Farahani</u> (#403) "SOLAR THERMAL ENERGY STORAGE FOR HOUSE HEATING THROUGH LiBr / H ₂ O ABSORPTION PROCESS: PRELIMINARY ENERGY EVALUATION", <u>L.P. Nolwenn</u> , L. Lingai, H. Liu (#454) "GLOBAL WARMING IS GLOBAL ENERGY STORAGE", <u>B. Nordell</u> , B. Gervet (#618) "CO ₂ MITIGATION WITH THERMAL ENERGY STORAGE", <u>H. Paksoy</u> , H. Evliya, S. Abaci, M. Mazman, Y. Konuklu, B. Turgut, Ö. Gök, M. Yilmaz, S. Yilmaz, B. Beyhan (#614) "TECHNO-ECONOMIC AND ENVIRONMENTAL ASPECTS OF A HYBRID PV-DIESEL-BATTERY POWER SYSTEM FOR REMOTE FARM HOUSES", <u>E. Akuz</u> , Z. Oktay, I. Dincer
12:30-14:00	Lunch Break		
14:00-16:00	Session: Global Warming Models-II Chair: J. Bartholy	Session: Energetic and Environmental Issues-II Chair: K. AlZboon	Session: Exergy- I Chair: S. Paz
	(#503) "TEMPERATURE VARIATIONS AND THEIR EFFECTS ON RAINFALL IN NIGERIA, WEST AFRICA: 1971-2003", <u>I. Osita</u> (#560) "COMPARISON OF DETECTED TREND AND EXPECTED CHANGE OF EXTREME CLIMATE INDICES IN THE CARPATHIAN BASIN BY THE END OF THIS CENTURY", <u>R. Pongracz</u> , J. Bartholy, P. Szabo, G. Gelybo (#561) "ANALYSIS OF REGIONAL CLIMATE CHANGE MODELING EXPERIMENTS FOR THE CARPATHIAN BASIN", <u>J. Bartholy</u> , R. Pongracz, C. Torma, I. Pieczka, P. Kardos, A. Hunyady (#640) "CLIMATE VARIABILITY, CLIMATE CHANGE AND EXTREME WEATHER EVENTS OVER INDIA", <u>O.S.R.U. Bhanu Kumar</u> , S.Ramalingeswara Rao (#352) "GEOMAGNETIC PROCURSER OF THE INCREASING EARTH'S TEMPERATURE", <u>T. Rabeh</u> (#431) "THE GREAT SEASON CLIMATIC OSCILLATION AND THE GLOBAL WARMING", <u>A. Boucenna</u>	(#280) "YIELDS ANALYSIS AND ENVIRONMENTAL EVALUATION OF COMBINED PHOTOVOLTAIC-THERMAL COLLECTOR IN KUWAIT CLIMATE", <u>A.A. Ghoneim</u> , M.Y. Aljanabi, A.Y. Al-Hasan, A.M. Mohammedein (#429) "NATURAL FLUIDS AS AN ALTERNATIVE REFRIGERANT TO VAPOR COMPRESSION REFRIGERATION SYSTEM", <u>M.A. Sattar</u> , R. Saidur, H.H. Masjuki (#369) "EFFECT OF WIND BLOWN SAND AND DUST ON PHOTOVOLTAIC ARRAYS- MODEL AND SOLUTION", <u>A. Assi</u> (#571) "THE NEW METHOD FOR DISTRIBUTED COOLING WATER SYSTEM DESIGN FOR WASTEWATER TEMPERATURE REDUCTION", <u>A. Ataei</u> , M. Gharai, E. Panjeshahi (#598) "APPLICATION OF OZONE TREATMENT AND PINCH TECHNOLOGY IN COOLING WATER SYSTEMS DESIGN TO WATER AND ENERGY CONSERVATION", <u>A. Ataei</u> , M. Gharai, R. Parand, E. Panjeshahi (#660) "CO-FIRING SOLID RECOVERED FUELS (SRF) WITH BROWNCOAL IN LARGE SCALE PULVERISED FUEL POWER PLANTS – A SIMULATION APPROACH", M. Agraniotis, <u>P. Grammelis</u> , E. Kakaras	(#637) "A NEW APPROACH FOR THERMO-ECONOMICS ANALYSIS OF THE INDUSTRIAL PROCESSES", <u>Z. Sogut</u> , Z. Oktay, H. Karakoc (#546) "EXERGETIC ANALYSIS OF A MICRO-TURBINE/ORC COMBINED CYCLE", <u>M. Yari</u> , H. Shaker, A. Zarin (#556) "EXERGETIC PERFORMANCE COMPARISON OF VARIOUS TYPE GEOTHERMAL POWER PLANTS", <u>M. Yari</u> , A. Zarin, H. Shaker (#575) "APPLICATION OF EXERGY ANALYSIS IN PERFORMANCE EVALUATION OF COOLING TOWER", M. H. Panjeshahi, A. Ataei, <u>M. Gharai</u> (#594) "INVESTIGATION OF EFFICIENCY IN A CROSS-FLOW HEAT RECOVERY UNIT EQUIPPED WITH CDLVGS", <u>I. Kotcioglu</u> , S. Caliskan, E. Manay (#803) "EXERGY ANALYSES OF DRYING OF BROCCOLI FLORETS IN A HEAT PUMP CONVEYOR DRYER", <u>N. Colak</u> , M.T. Balta, F. Icier, E. Kuzgunkaya, A. Hepbasli, Z. Erbay
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.)		
	(#215) "VISIBLE LIGHT DEGRADATION OF ORANGE II USING MULTIPLE CONFIGURATIONS OF HETEROJUNCTIONS BASED ON CUPPER/TIO ₂ ", N. Helaili, <u>Y. Bessekhoud</u> , A. Bouguelia, M. Trari (#217) "ALUMINA POROUS MEMBRANE SYNTHESIS AND CHARACTERIZATION", <u>N.Agoudil</u> , Z.Malek, T.Benkacem, A.Larbot (#277) "GLOBAL WARMING: A NEW PERSPECTIVE", <u>R. Arya</u> (#311) "CO ₂ REFORMING OF METHANE TO SYNGAS OVER HYDROTALCITES DERRIVED CATALYSTS", Z. Abdelssadek, F. Touahra, K. Bachari, A. Saadi, O. Cherifi, <u>D. Halliche</u> (#312) "METHANOL OXIDATION CATALYZED BY PHOSPHOMOLYBDIC POLYOXOMETALLATE KEGGIN TYPE", L. Dermeche, R. Thouvenot, S. Hocine, <u>C. Rabia</u> (#329) "EFFECT OF CADMIUM AND MERCURY ON HUMAN HEALTH AND ENVIRONMENT", <u>Z. Hank</u> , S. Boutamine, M. Meklati (#330) "LEAD AND TIN HUMAN HEALTH AND ENVIRONMENTAL EFFECTS", <u>S. Boutamine</u> , Z. Hank and M. Meklati (#333) "GEOGRAPHICAL DIVERSITY AND CHEMICAL COMPOSITION RELATIONSHIPS AMONG CEDRUS SPECIES IN NATURAL FOREST", L.Boudarene, <u>A.Baaliouamer</u> (#347) "IMPROVEMENT OF BIOFUEL ETHANOL RECOVERY USING THE PERVAPOARATION SEPARATION TECHNIQUE", <u>N. D. Hilmioglu</u> (#348) "APPLICATION OF PERVAPOARATION FOR TREATING MTBE-CONTAMINATED WATER/WASTEWATER", <u>N. D. Hilmioglu</u> , A.E. Yildirim, S. Tulbentci (#384) "IMPACT, VULNERABILITY AND INURING TO THE CLIMATE CHANGES", <u>M. Mirela</u> , B. Gabriela, C. Mariana (#388) "CHEMICAL CHARACTERISTICS AND SOURCE RECONCILIATION OF ORGANIC AEROSOLS IN ALGIERS CITY AREA", <u>N. Yassaa</u> , R. Ladjji, A. Cecinato, B.Y. Meklati (#393) "BIOGENIC EMISSION AND ESSENTIAL OILS OF SOME EUCALYPTUS SPECIES: A COMPARISON STUDY", <u>Y.Foudil-Cherif</u> , N. Yassaa, B.Y.Meklati (#408) "A STUDY OF MALATHION DEGRADATION IN TRITICUM DURUM WHEAT SPECIES GROWING IN ALGERIA", O. Dalila, B. Samira, <u>B. Aoumeur</u> (#442) "LIGHT- INDUCED TRANSFORMATION OF CARBENDAZIM IN WATER", <u>A. Boudina</u> , C. Emmelin, A. Baaliouamer, M.F. Grenier-Loustalot, J.M Chovelon (#452) "STEAM REFORMING OF METHANE OVER NICKEL ALUMINIUM CATALYSTS WITH HIGH AL/NI RATIO", <u>N. Salhi</u> , C. Petit, A. Kienemann (#478) "PARTIAL EXCHANGE OF THE ALKALINE CATION IN THE LAYERED NIOBATE", N. Belmokhtar, <u>R. Nedjar</u> , H. Rebbah (#514) "CO ₂ HYDROGENATION TO METHANOL ON Cu-ZrO ₂ CATALYSTS", <u>F. Bali</u> , L. Jalowiecki-Duhamel (#520) "SURFACTANT DEGRADATION BY MEANS OF PEROXI – ELECTROCOAGULATION", <u>E. Yüksel</u> , A. Sengil		

	(#538) "ESTIMATING LANDFILL METHANE EMISSIONS: AN APPLICATION OF THE IPCC'S WASTE MODELS FOR A SPECIFIC SITE FROM ROMANIA", <u>M. Petre</u> , D. L. Movileanu, E.M. Minea, C. Pătrășcioiu (#539) "COSTS AND INVESTMENTS FORECAST REGARDING THE ENVIRONMENTAL PROTECTION IN ROMANIA DURING 2007 – 2013", D. L. Movileanu, C. L.I. Onutu, <u>M. Petre</u> (#599) "THE NOVEL METHOD FOR PREPARATION OF K4NB6O17", W. Ouagagui, <u>R. Nediär</u> , H. Rebbah		
	WEDNESDAY, JULY 9, 2008 (continued)		
17:00-19:00	Room A: Pinar 1	Room B: Pinar 2	Room C: Pinar 3
	Short Course: Global Warming in the Context of Teaching of Thermodynamics Chair: A.F. Miquel	Session: Chemical Aspects-II Chair: A. Elkamel	Session: Forestry Chair: N. Klöt
	Lecturer: <u>O. Arnas</u>	(#553) "CO ₂ ABSORPTION IN A MINI-MODULE MEMBRANE CONTACTOR", <u>G. Pantoleontos</u> , S.P. Kaldis, D. Koutsonikolas, P. Grammelis, G.P. Sakellariopoulos (#461) "BIODIESEL PRODUCTION FROM MICROALGAE OVER HETEROGENEOUS CATALYSTS", <u>M. Tuncer</u> , E.S. Umdu, E. Kursat, G. Yilmaz, Y. Durmaz, S. Gokpinar, E. Seker (#509) "PURIFICATION PROCESS OF THE EFFLUENTS CONTAINING HEAVY METALS. APPLICATION OF THE SYSTEMES CADMIUM AND CHROMIUM", <u>F. Hassaine-Sadi</u> , L. Sadoun, H. Bouchabou (#504) "REMOVAL OF CU+2 AND NI +2 FROM AQUEOUS SOLUTION BY ALGERIAN CLAY MATERIALS", S. Dib, A. Khouider, <u>M. Boufatit</u> (#482) "CO ₂ AND SO ₂ CAPTURE CAPABILITY OF TWO GREEK LIMESTONES UNDER FLUIDIZED BED COMBUSTION CONDITIONS", <u>P. Basinas</u> , P. Grammelis, J.R. Grace, C.J. Lim, G. Skodras, E. Kakaras, G.P. Sakellariopoulos	(#245) "THE CHANGING EFFECT OF MICROCLIMATIC CONDITIONS ON THE SOIL PROCESS IN THE EAST-EUROPEAN FOREST-TUNDRA", <u>A. V. Pastukhov</u> (#387) "STAND STRUCTURE AND SPATIAL PATTERN OF SWEET CHESTNUT (<i>Castanea sativa</i> L.) TREES IN THE GUILAN FORESTS, NORTH OF IRAN", <u>H. Poorbabaei</u> (#400) "INDIA'S FIRST FORESTRY (A & R) PROJECT UNDER CDM AGAINST GLOBAL WARMING", <u>M.S.Haque</u> , K.G.Karmakar (#496) "IMPACT OF GLOBAL WARMING ON TREES", <u>N. Khan</u> , N. Abas, N. Mariun (#523) "DEFORESTATION: ENVIRONMENT CHALLENGE AND SUSTAINABLE DEVELOPMENT", <u>R. Agrawal</u> , G. Vashistha, R. Mutha (#605) "INVESTING THE EFFECT OF FOREST STAND VOLUME ON SOIL SURFACE EROSION BY GEOGRAPHIC INFORMATION SYSTEM (GIS)", H.R. Maskani, <u>A. Meraji</u>
	THURSDAY, JULY 10, 2008		
Time	Room A: Pinar 1	Room B: Pinar 2	Room C: Pinar 3
	Session: Sustainable Energy and the Environment - III Chair: W. Bowers	Session: Power Plants Chair: P. Grammelis	Session: Exergy - II Chair: N. Ghaddar
8:30-10:10	(#588) "EMISSION CHARACTERISTICS OF DIESEL ENGINE POWERED COGENERATION SYSTEMS", <u>A. Abusoglu</u> , M. Kanoglu (#807) "THE ENVIRONMENTAL EFFECT OF SPRAY DRYERS USED IN A COGENERATION SYSTEM", <u>Y. Yoru</u> , T.H. Karakoc, A. Hepbasli (#476) "THE PASSIVE SOLUTIONS FOR THE REDUCTION OF ENERGY COOLING IN THE BUILDINGS", <u>E.H. Bouguerra</u> , A. Hamid, N. Retiel (#806) "OPTIMIZATION OF SPECIFIC FUEL CONSUMPTION OF HYDROGEN IN COMMERCIAL TURBOFANS FOR REDUCING GLOBAL WARMING EFFECTS", T.H. Karakoc, <u>O. Turan</u> (#386) "RATIONAL DETERMINATION OF DESIGN WEATHER DATA FOR REDUCTION OF ENERGY USE IN AIR-CONDITIONING", <u>T. Chen</u> and Z. Yu	(#562) "TECHNICAL - ECONOMICAL ASSESSMENT OF SO ₂ /SO ₂ REMOVAL FROM ACID SULPHURIC PLANTS IN A PETROCHEMICAL INDUSTRY AND CONVERTING IT TO AMMONIUM SULFATE", F. Atabi, <u>A. Ataei</u> , S. Shafizadeh (#568) "A COMPUTER-AIDED UNIFIED APPROACH FOR SELECTING CO ₂ CONTROL TECHNOLOGIES: APPLICATION TO POWER PLANTS AND REFINING PROCESSES", <u>M. Ba-Shammakh</u> , A. Elkamel (#569) "ROBUST OPTIMIZATION FOR POWER SYSTEMS UNDER UNCERTAINTY WITH CO ₂ MITIGATION CONSIDERATIONS", F.Chui, <u>A. Elkamel</u> , M. Ba-Shammakh (#612) "INDUSTRIAL PLANT DESIGN FOR INNOVATIVE IN SITU CO ₂ CAPTURE TECHNOLOGY FOR SOLID FUEL GASIFICATION", <u>E. Kakaras</u> , A. Doukelis, P. Klimantos, A. Koumanakos, N. Koukouzas (#646) "ESTIMATING THE EFFECT OF CHANGING THE NUMBER OF WORLD POWER PLANTS ON GLOBAL CLIMATE USING THE MODEL <i>EDGCM</i> ", <u>S. Ebrahimi</u> , V. Goldberg, Ch. Bernhofer (#567) "A MULTI-PERIOD OPTIMIZATION MODEL FOR ENERGY PLANNING WITH CO ₂ EMISSION CONSIDERATION", H. Mirzaesmaeeli, <u>A. Elkamel</u> , P.L. Douglas, E. Croiset	(#366) "EXERGY ANALYSIS OF SECOND GENERATION MICRO HEAT SINKS", A. Koşar (#70) "EVALUATION OF USING ALTERNATIVE FUELS IN SI ENGINES BY MEANS OF EXERGY ANALYSIS", <u>I. Sezer</u> , I. Altin, A. Bilgin (#652) "ENERGY AND EXERGY ANALYSIS OF A POWDER DETERGENT UNIT", <u>G. Bektaş</u> , F. Balkan (#653) "ENERGY AND EXERGY ANALYSES OF THE POWER PLANT AT EREGLI IRON AND STEEL FACTORY", <u>T. Adanir</u> , T. Ozdemir (#804) "ANALYSIS OF ENERGY AND EXERGY USE AND ENVIRONMENTAL IMPACTS IN SPACE HEATING, AN APPLICATION", <u>Z. Ulltu</u> (#336) "THERMODYNAMIC ANALYSIS OF TRIPLE EFFECT ABSORPTION REFRIGERATION SYSTEMS", <u>A.H. Aghdam</u> , S.M.S. Mahmoudi
10:10-10:30	Refreshment Break		

THURSDAY, JULY 10, 2008 (continued)				
	Room A: Pinar 1	Room B: Pinar 2	Room C: Pinar 3	
10:30-12:30	Session: Hydrogen Production and Fuel Cells - II Chair: B.A. Nordell	Session: Human Health Issues-II Chair: M.S. Haque	Session: Global Warming and Turkey Chair: M. Tiris	
	(#367) "MODELING AND SIMULATION OF ANODE-SUPPORTED SOFC BY USING CFD COMMERCIAL SOFTWARE", <u>M.E.Youssef</u> , T. Lim, R. Song, S. Lee, D. Shin (#456) "CLEAN COAL TECHNOLOGIES COAL-BASED HYDROGEN PRODUCTION WITH CO ₂ CAPTURE", <u>A. Smoliński</u> (#551) "FUEL CELL AND HYDROGEN TRANSPORTATION TEST BED DEVELOPMENT AT THE MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY", <u>F. Dogan</u> , S.E. Grasman, J.W. Sheffield (#570) "SIMULATION, DESIGN AND ECONOMIC ANALYSIS OF HYDROGEN PRODUCTION FROM BIOMASS", <u>M. Ba-Shammakh</u> , A. Elkamel (#365) "INNOVATIVE CATALYTIC MATERIALS FOR HYDROGEN PRODUCTION", M.S. Elouchdi, L. Cherif, R. Bachir, A. Choukchou-Braham, S. Merad-bedrane	(#129) "POVERTY, ENVIRONMENT AND ECONOMIC GROWTH-CONFRONTATIONS AND INEVITABLE NEXUS", <u>H. E. Osman</u> , I. Yukio (#444) "IMPACT OF GLOBAL WARMING AND CLIMATE CHANGE ON POVERTY AND WOMEN IN INDIA", <u>D. Mukhopadhyay</u> (#540) "EFFECTS OF GLOBAL CLIMATE CHANGE ON POVERTY AND SOLUTION SUGGESTIONS", <u>S. Atak</u> , M. Erdogan, A. Yonten (#541) "AIRBORNE RAGWEED POLLEN CONCENTRATION IN ZAGREB, CROATIA 2005-2007", I. Hrga, <u>I. Herjavić</u> , B. Stjepanović, D. Puntarić (#415) "THE EFFECTS OF AIR POLLUTION ON HUMAN HEALTH AND OTHER A LIVE CREATURES", <u>N. Banan</u> , F. Kafizadeh, H. R. Sharifian	Panelists: • <u>M. Karaca</u> , Head of the Marine and Climate Sciences Department, Istanbul Technical University, Eurasia Institute of Earth Sciences • <u>H. Nuzhet Dalfes</u> , Head of the Ecology and Evolution Department, Istanbul Technical University, Eurasia Institute of Earth Sciences • <u>M. Sahin</u> , Head of Air Quality Management Department, General Directorate of Environmental Management, Ministry of Environment and Forestry	
12:30-14:00	Lunch Break			
	Room A: Pinar 1	Room B: Pinar 2	Room C: Pinar 3	
14:00-16:00	Session: Energetic and Environmental Issues - III Chair: J.O. Jaber	Session: Energy Conservation Chair: A.Z. Sahin	14:00-15:00	Forum: How Can we Make Buildings Greener? Chair: B. Kilkis
	(#589) "THE PREDICTION OF ENVIRONMENTAL WAVE-INDUCED LOADS ON CYLINDRICAL STRUCTURES", <u>S. Kocabiyik</u> , L.A. Mironova, O.I. Gubanov (#595) "TIME DEPENDENT TURBULENT FLOW AND HEAT TRANSFER CHARACTERISTICS IN PLATE-FIN TYPE CROSS-FLOW HEAT EXCHANGER", <u>I. Kotcioglu</u> , E. Manay, S. Caliskan (#627) "MODELING EFFECT OF CHEMICAL FERTILIZER APPLICATIONS ON METHANE EMISSION FROM RICE FIELDS", <u>K. Smakgahn</u> (#805) "RESIDENTIAL SOLAR POWER GENERATION SYSTEMS FOR BETTER ENVIRONMENT", <u>C. Zamfirescu</u> , I. Dincer, T. Verrelli, W.R. Wagar (#460) "IMPROVEMENT OF PHYSICAL, CHEMICAL AND MECHANICAL PROPERTIES OF CONSTRUCTION MATERIAL WITH USING OF STEEL SLAG", <u>A. Heidarizhaleh</u> , E. Mozaffari, M. Ashtiani (#664) "FUEL CONSUMPTION EFFECT OF COMMERCIAL TURBOFANS ON GLOBAL WARMING", <u>O. Turan</u> , T.H. Karakoc	(#536) "PERFORMANCE EVALUATION OF A MODIFIED VAPOR COMPRESSION REFRIGERATION SYSTEM USING R134A INSTEAD OF R12", <u>A. Rostamzadeh</u> , S.M.S. Mahmoudi (#610) "THERMODYNAMIC ANALYSIS OF CARBON SEQUESTRATION METHODS IN LIGNITE POWER PLANTS", <u>K.J. Christopher</u> , S. Christos, R. C. Dimitrios (#525) "ENERGY ANALYSIS AND ASSOCIATED GHG EMISSIONS OF THE RESIDENTIAL SECTOR IN JORDAN", <u>J.O. Jaber</u> , A. Al-Ghandoor, R.H. Fouad (#557) "INVESTIGATION OF EFFECT OF GEOTHERMAL ABSORPTION COOLING SYSTEM ON GLOBAL WARMING", <u>C. Coskun</u> , Z. Oktay, I. Dincer (#404) "ENERGY SAVING POTENTIAL OF TRANSCRITICAL CO ₂ COOLING SYSTEMS WITH AN EXPANDER", <u>A.E. Ozgur</u> , H.C. Bayrakci, H. Cetin		Special Talk: (#809) "HOW CAN WE MAKE BUILDINGS GREENER?", <u>B. Kilkis</u> With free discussion with audience
			15:00-16:00	SESSION: Global Warming: Policies and Challenges –II Chair: H. Niizawa
				(#810) "CLIMATE CHANGE AND TURKEY", <u>E. Türkenoğlu</u> (#411) "ENERGY IN EGYPT: CURRENT STATUS AND FUTURE PROSPECTS", <u>A. Hafez</u> , M. Khedr, M. Bad, K. Elkhatab, H. Gaddala, S. Alhallag, F. Teymour (#617) "THE INUNDATIONS IN ROMANIA, CONSEQUENCE THE CLIMATE CHANGES", <u>M. Ciobanu</u> , G. Demian, M. V. Ciobanu
16:00-16:30 CLOSURE: <u>Closing Remarks</u> in Room A: Pinar 1				