

June 16, 2010, Wednesday

09:15 - 10:15	Opening Ceremony				
10:15 - 11:00	Opening Session: Anadolu Hall				
PL1	<p style="text-align: center;"><u>N. Kosaric</u></p> <p style="text-align: center;">Alternative raw materials for large-scale production of liquid and gaseous fuels (ethanol, biodiesel and hydrogen)</p>				
11:00 - 11:30	Coffee Break				
11:30 - 12:15	Session 1: Anadolu Hall				
PL2	<p style="text-align: center;"><u>Y. Chisti</u></p> <p style="text-align: center;">Biofuels from Microalgae</p>				
12:15 - 13:30	Lunch				
13:30 - 15:00	Session 2A: Anadolu Hall		13:30 - 15:00	Session 2B: Akdeniz Hall	
	BPE1 - Bioprocess Engineering			BGE1- Biological and Genetic Engineering	
	Chairpersons: N. Kosaric, Ş. Harsa			Chairpersons: C. Bachem, H. Jonkers	
13:30- 14:00 O-BPE001	<u>Ş. Harsa</u>	Impact of Lactic Cultures for Food and Bio Processing	13:30- 14:00 O-BGE001	<u>H. Jonkers</u>	Bio-based Civil Engineering: Bacteria-based self-healing concrete
14:00 - 14:15 O-BPE002	F.T. Çetinkaya-Dokgöz, <u>N. Azbar</u>	Hydrogen Production Potential of Klebsiella pneumonia from Various Sugars In Comparison To Mixed Anaerobic Culture	14:00 - 14:15 O-BGE002	<u>E. Boy</u> , P. Çalık	Recombinant thermophilic alpha-amylase production by <i>P.pastoris</i>
14:15 - 14:30 O-BPE003	R. Sağnak, F. Kargı, <u>İ. K. Kapdan</u>	Hydrogen gas production from hydrolyzed wheat starch by dark fermentation: effects of substrate and biomass concentration	14:15 - 14:30 O-BGE003	<u>Ö. Üstün</u> , <u>İ. Deliloğlu-Gürhan</u> , G. Öngen, K. Ohura, T. Imai	Recombinant Human Dipeptidyl Peptidase IV (DPP IV)/CD26 transfection to Sf9 Insect Cells
14:30 - 14:45 O-BPE004	<u>B. Max</u> , J. M. Salgado, N. Rodriguez, S. Cortes, A. Converti, J.M. Dominguez	Microbial production of vanillic acid	14:30 - 14:45 O-BGE004	<u>K. Radjabalizadeh</u>	Distribution of globin gene mutations by computer simulation
14:45- 15:00 O-BPE005	<u>S. Özmişçi</u> , F. Kargı	Bio-hydrogen production from waste ground wheat by continuous dark fermentation: Effects of hydraulic residence time	14:45- 15:00 O-BGE005	K. Açıklan Çoşkun, <u>Y. Tutar</u>	Investigation of Transcription Mechanism in E.coli Lac Operon; affect of CRP monomer
15:00 - 15:30	Coffee Break				
15:30 - 16:15	Session 3: Anadolu Hall				
PL3	<p style="text-align: center;"><u>A. Bader</u></p> <p style="text-align: center;">Stem cell therapy for everyone: Vision or illusion?</p>				
16:15 - 18:30	Session 4A: Anadolu Hall		16:15 - 18:30	Session 4B: Akdeniz Hall	
	BME1- Biomedical Engineering			BEF1 - Bioeconomy for the Future	
	Chairpersons: M. Ozgoren, I Deliloğlu Gurhan			Chairpersons: Y. Chisti, F. Kargı	
16:15 - 16:45 O-BME001	<u>R. Başaran</u>	From metal to polimer stents	16:15 - 16:45 O-BEF001	<u>F. Kargı</u>	Biengineering Applications in Waste Treatment and Valorization
16:45 - 17:15 O-BME002	<u>K. Kadıpaşaoğlu</u>	Mechanical Circulatory Assistance for the Treatment of End-Stage Chronic Heart Failure: Engineering Perspective and Possible Solutions	16:45 - 17:15 O-BEF002	<u>M. Türker</u>	Hydrogen Sulfide Removal from Gas Streams by Novel Biotechnological Process: Integration of Sulfur and Nitrogen Cycles
17:15 - 17:45 O-BME003	<u>M. Özgören</u>	Sleep and Brain Responsiveness via Multimetric Measurements	17:15 - 17:30 O-BEF003	<u>L. Bertin</u> , A. Scoma, C. Bettini, L. Marchetti, F. Fava	Chemical-biotechnological integrated process for the dephenolization of olive mill wastewater and its acidogenic fermentation in a packed bed biofilm reactor
			17:30 - 17:45 O-BEF004	<u>O. Gök</u> , D. Sponza	Relationships between Biosurfactant, Inert Cod and Toxicity Removals in a Continously Stirred Tank Reactor Degrading Petrochemical Industry Wastewater
17:45 - 18:00 O-BME004	<u>T. Elitbol</u> , B. Gür, M. Özbaran, K. Kadıpaşaoğlu	Computer simulation of a cardiovascular mock circuit	17:45 - 18:00 O-BEF005	<u>A. Karakaya</u> , Y. Laleli, S. Takaç	Adaptation of Rhodotorula glutinis to Olive Mill Wastewater for Bioremediation
18:00 - 18:15 O-BME005	<u>İ. Harmankaya</u> , K. Büyük, D. Ünay, C.T. Oğuz, U. Acar, Y. Kutluk, N. Polat, S. Erk, B. Bayram, K. Kadıpaşaoğlu	Four-dimensional modeling of the human heart	18:00 - 18:15 O-BEF006	<u>H. Celebi</u> , D. Sponza	Effect of vfa composition on the treatment of oxytetracycline and metabolites in a sequential anaerobic multichamber bed and aerobic reactor system
18:15 - 18:30 O-BME006	<u>S. Yazgi</u> , M. Yıldız	Experimental and Model Based Investigation of the Swallowing Effect on Heart Rate Variability	18:15 - 18:30 O-BEF007	<u>M. Kuban</u> , G. Öngen, E. Bedir	Biotransformation of Cycloartane-Type Sapogenol, Cyclostragenol, by Cunninghamella blakesleena NRRL 1369
18:30 - 19:30	Poster Session (Posters in ALL topics will be on display throughout the Congress)				
19:30 - 21:30	Welcome Cocktail				

June 17, 2010, Thursday

09:00- 09:45						Session 5: Anadolu Hall					
PL4		M. Svagelj, <u>M. Berovic</u> , B. Boh, B. Wraber				Submerged and Solid State Cultivation of Antitumor Extra and Inter cellular Fungal Polysaccharides					
09:45 - 10:30						Session 6: Anadolu Hall					
PL5		<u>B. Borrego</u>				Future Vaccines by Molecular Engineering: DNA Vaccines against Foot-and-Mouth Disease Virus as a Case Study					
10:30 - 11:00			Coffee Break			11:00 - 12:30			Session 7B: Akdeniz Hall		
11:00-12:15			Session 7A: Anadolu Hall			11:00 - 12:30			Session 7B: Akdeniz Hall		
			BME2- Biomedical Engineering Chairpersons: <u>B. Borrego</u> , <u>D. Jaron</u>						BPE2 - Bioprocess Engineering Chairpersons: <u>M. Berovic</u> , <u>T. Kutsal</u>		
11:00 - 11:30 O-BME007	<u>D. Jaron</u>	Systems Approach to the Analysis of Health and Well Being in the Urban Environment			11:00 - 11:30 O-BPE006	<u>T. Kutsal</u>	Biosorption of Heavy Metals				
11:30- 11:45 O-BME008	<u>A. Sendemir-Ürktez</u> , <u>L. Chen</u> , <u>A. Morgan</u> , <u>B. Cunningham</u> , <u>R. Jamison</u>	Binding Interactions of bFGF with acidic and basic gelatin using a biosensor based system			11:30- 11:45 O-BPE007	<u>Ö. Yeşil-Celiktaş</u> , <u>A. Erköçük</u>	Trends and innovations in utilization of glycosides from <i>Stevia rebaudiana</i>				
11:45-12:00 O-BME009	<u>G. Güçlü</u> , <u>B. Kartık</u> , <u>H.R., Öz</u>	Classification of Normal and Asthmatic Sounds Using Fuzzy c-mean and Artificial Neural Networks			11:45 - 12:00 O-BPE008	<u>B. G. Mazi</u> , <u>H. Hamamcı</u> , <u>S. R. Dungan</u>	A New Approach to Purify High Molecular Weight Proteins by Reversed Micelles				
12:00-12:15 O-BME010	<u>S. Gulce-liz</u> , <u>M. Doskaya</u> , <u>B. Borrego</u> , <u>F. Rodriguez</u> , <u>Y. Gürüz</u> , <u>S.I. Delitoğlu-Gürhan</u>	Construction and Investigation of In vitro Expression Efficacy of Multi epitope and Anti-apoptotic DNA Vaccine Model Against Foot and Mouth Disease			12:00 - 12:15 O-BPE009	<u>A. Kocabaş</u> , <u>D.S. Kocabaş</u> , <u>U. Bakır</u>	One-step purification and characterization of a low molecular weight xylanase from <i>Aspergillus terreus</i> NRRL 1960				
				12:15 - 12:30 O-BPE010	<u>H.U. Öztürk</u> , <u>S. Uzyol</u> , <u>A.A. Denizci</u> , <u>S. Dinçer</u> , <u>A. Ogan</u> , <u>A. Erarslan</u> , <u>D. Kazan</u>	Amylase and cellulase producer <i>Bacillus</i> strain isolated from rhizosphere of <i>Acacia cyanophylla</i> Lindley					
12:30 - 13:45						Lunch					
13:45- 14:15						Session 8: Anadolu Hall					
PL6		<u>F. Vardar Sukan</u>				What can Bioengineers do for the society: INOVIZ initiative					
14:15 -15:00						Session 9: Anadolu Hall					
PL7		<u>W. Friedt</u>				Current priorities and perspectives of biotechnology-assisted breeding of oilseed crops					
15:00 - 15:30						Coffee Break					
15:30- 17:30			Session 10A: Anadolu Hall			15:30 -17:30			Session 10B: Akdeniz Hall		
			BGE2- Biological and Genetic Engineering Chairpersons: <u>W. Friedt</u> , <u>N. Gözükırmızı</u>						BEF2- Bioeconomy for the Future Chairpersons: <u>R.H. Kaul</u> , <u>A. Gürel</u>		
15:30 - 16:00 O-BGE006	<u>C. Bachem</u>	The completion of the potato genome sequence: Background and results for the Potato Genome Sequencing Consortium (PGSC)			15:30 - 16:00 O-BEF008	<u>R.H. Kaul</u>	Speciality chemicals from renewable resources using biocatalysis				
16:00 - 16:15 O-BGE007	<u>B. Tanyolac</u> , <u>B. Kaya</u> , <u>H. Yılmaz-Temel</u> , <u>F. Altan</u> , <u>D. Sarıkaya</u> , <u>İ. Uzan</u> , <u>S. Evrimaz</u>	Genome mapping, Identification QTLs and Next Generation Sequencing in Plants			16:00 - 16:15 O-BEF009	<u>P. Nartop</u> , <u>A. Gürel</u> , <u>E. Bedir</u> , <u>I.H. Akgün</u>	Effects of Salt Stress to Antraquinone Production of <i>Rubia tinctorum</i> L.				
16:15 - 16:30 O-BGE008	<u>H. Yılmaz-Temel</u> , <u>T. van Dijk</u> , <u>B. Tanyolac</u> , <u>E. Van de Weg</u>	New Approach: Quantitative Interpretation of NBS Profiling Data and It's Effectivity in Mapping			16:15 - 16:30 O-BEF010	<u>S. Orhan</u> , <u>A. Gürel</u>	Micropropagation of Myrobalan B. (<i>Prunus cerasifera</i> L.) Plum Rootstocks				
16:30 - 16:45 O-BGE009	<u>A.L. Stigliani</u> , <u>A. Yıldırım</u> , <u>G. Giorio</u> , <u>C. D'Ambrosio</u>	Over-expression of endogenous lycopene epsilon-cyclase in tomato results in the increase of leaf lutein content and in the accumulation of delta carotene in fruits.			16:30 - 16:45 O-BEF011	<u>B. Cetin</u> , <u>Ş. Hayta</u> , <u>C. Durmuşkahya</u> , <u>A. Gürel</u>	Establishment of an In Vitro Micropropagation Protocol for <i>Digitalis ferruginea</i> L.				
16:45 - 17:00 O-BGE010	<u>B. C. Keskin</u> , <u>C. Erol</u> , <u>B. Yüksel</u> , <u>A.R Memon</u>	The Detection of Genes Associated with Petroleum Hydrocarbon Stress in Maize			16:45 - 17:00 O-BEF012	<u>N. Özbek</u> , <u>Ş. Hayta</u> , <u>H. Küçük</u> , <u>A. Gürel</u>	Somatic Embryogenesis and Plant Regeneration in a New Cotton (<i>Gossypium hirsutum</i> L.) Cultivar "GSN-12"				
17:00 - 17:15 O-BGE011	<u>B. C. Keskin</u> , <u>Y. Yıldızhan</u> , <u>B. Yüksel</u> , <u>O. Kulen</u> , <u>A.R. Memon</u>	Comparative Transcriptome Analysis of Cu-tolerant and non-tolerant <i>B. nigra</i> Ecotypes using Arabidopsis Genome Arrays			17:00 - 17:15 O-BEF013	<u>E. Aslan</u> , <u>F. Vardar-Sukan</u> , <u>H. Özakant</u>	Bio-inoculant Production of Plant Growth Promoting Rhizobacteria by Using Soilless Media Substrates				
17:15 - 17:30 O-BGE012	<u>V. Wiktor</u> , <u>H. Jonkers</u>	Bio-chemical self-healing agent to prevent reinforcement corrosion in concrete			17:15 - 17:30 O-BEF014	<u>T. Adıyaman-Koltuksuz</u> , <u>D. A. Schisler</u> , <u>P. J. Slininger</u>	Selection method of microbial strains for biologically controlling pink rot of potatoes in storage based on favorable growth kinetics and efficacy.				
17:30 - 18:30						Poster Session (Posters in ALL topics will be on display throughout the Congress)					
19:30 - 22:00						Congress Cocktail					

June 18, 2010, Friday

08:30 - 10:00		Session 11A: Anadolu Hall		08:30 - 10:00		Session 11B: Akdeniz Hall	
		BPE3- Bioprocess Engineering				BME3 - Biomedical Engineering	
		Chairpersons: T. Keshavarz, N. Azbar				Chairpersons: M.Ş. Özsöz, E. Bedir	
08:30 - 09:00 O-BPE011	T. Keshavarz, S. Raina, D. De Vizio, P. Refratti	Strategies for Enhancement of Industrially Important Microbial Bioproducts		08:30 - 09:00 O-BME011	M. S. Özsöz, D. Ariksoysal, P. Kara, S. Aydınlik, S. Topkaya, N. Aladag, S. Okur	New Trends in Nucleic Acid Based Electrochemical Biosensors	
09:00 - 09:15 O-BPE012	E. S. Sovaslan, P. Çalik	Effect of Medium pH on Erythropoietin Production by Recombinant Pichia pastoris Using Fed-Batch Methanol Feeding Strategy and Sorbitol as a co-substrate		09:00 - 09:15 O-BME012	H. Karadeniz, A. Erdem	Applications of carbon nanotube modified graphite electrodes for electrochemical DNA monitoring	
09:15 - 09:30 O-BPE013	H. Taspinar, P. Çalik	Effects of Bioprocess Parameters and Feeding Strategy on Benzaldehyde Lyase Production by Recombinant Escherichia coli		09:15 - 09:30 O-BME013	S. Yavuz, M. S. Kitiç, N. Özber, H. Kavaklı, H. Urey, B. E. Alaca	Micro-gravimetric detection of human kappa-opioid antibody	
09:30 - 09:45 O-BPE014	A. Sukan, E. Günerken, E. Hameş-Kocabaş	Comparison of optimisation methodologies for bioprocesses		09:30 - 09:45 O-BME014	S. Karami, C. Cho	Directed differentiation of embryonic stem cells into insulin-producing pancreatic beta cells by the extracellular matrix and glucose signaling	
09:45 - 10:00 O-BPE015	H. Kazak, B. Gökmen, Ö. Ateş, D. B. Güney, E. Mutlu, B. Gürteydağ, F. Küçükasik, E. Toksoy-Öner	Levan: A Promising Biopolymer from Halophilic Bacteria					
10:00 - 10:30 Coffee Break							
10:30 - 12:30		Session 12A: Anadolu Hall		10:30 - 12:15		Session 12B: Akdeniz Hall	
		BPE4- Bioprocess Engineering				BME4 - Biomedical Engineering	
		Chairpersons: N. T. Eriksen, M. Elibol				Chairpersons: F.M.P. Gama, N. Hasircı	
10:30 - 11:00 O-BPE016	N. T. Eriksen, D. Pleissner, M. İşleten	Pigment and lipid syntheses in heterotrophic microalgal cultures		10:30 - 11:00 O-BME015	H. S. Vatansever	Mouse Embryonic Stem Cell Culture and Differentiation to Epidermal and Neuronal Cells	
11:00 - 11:30 O-BPE017	D. Levin	Biological Hydrogen Production: Prospects and Limitations for Practical Applications Revised		11:00 - 11:30 O-BME016	F.K. Andrade, F. Dourado, F. M. P. Gama	Bacterial Cellulose: a promising material for vascular replacements?	
11:30 - 11:45 O-BPE018	M. Güngörmüşler, C. Gönen, G. Özdemir, N. Azbar	Fermentation Medium Optimization For 1,3 Propanediol Production Using Taguchi and Box-Behnken Experimental Designs		11:30 - 12:00 O-BME017	H. Mutlu, İ. Deliloğlu Gürhan, D. Zeybek, M. Ö. Özen, S. Müftüoğlu, K. Ulubayram	Tissue Engineering of Blood Vessel Substitute from Autologous Cells	
11:45 - 12:00 O-BPE019	M. İşleten, T. Önal, M. Elibol	An Investigation of Heterotrophic Capabilities of Some Microalgae Species					
12:00 - 12:15 O-BPE020	S. S. Öncel, E. İmamoğlu, F. Vardar-Sukan, G. Pekin	Co-culture as a potential method for microalgae cultivation		12:00 - 12:30 O-BME018	H. R. Öz	Biological signal acquisition processing and classification methods	
12:15 - 12:30 O-BPE021	S. Bodini, A. R. Cicalini, P. Rompietti, F. Santori	Contribution of microbial consortia to the phytoremediation of phenanthrene-contaminated soil					
12:30 - 13:30 Lunch							
13:30 - 15:00		Session 13A: Anadolu Hall		13:30 - 15:00		Session 13B: Akdeniz Hall	
		BME5 - Biomedical Engineering				BGE3- Biological and Genetic Engineering	
		Chairpersons: M. Gümüşdereliolu, K. Ulubayram				Chairpersons: J. Berenguer, E. Dinçkaya	
13:30 - 14:00 O-BME019	R. Handrick, F. Kozakiewicz, T. Doederlein, M. Schad, W. Asche, K. Otte, J. Hannemann	Optimization of culture conditions in agitated cultures		13:30 - 14:00 O-BGE013	A. Hidalgo, E. Ferreras, J. Berenguer	Genetics and biotechnology with thermophilic models	
14:00 - 14:15 O-BME020	C. Kutlu, A. S. Kahraman, M. Gümüşdereliolu	Scaffolds Carrying Anticancer Drug/Antivascularization Agent for Site-Specific Brain Tumour Therapy		14:00 - 14:15 O-BGE014	M. S. Akkaya	International Genetically Engineered Machine Competition (iGEM), the METU experience: 2007-2009	
14:15 - 14:30 O-BME021	N. Bekirci, C. S. Gür, L. Vansh, B. Erbayraktar-Tepedelen, B. Depelec-Bütüner, H. S. Muhammed, E. Bedir, K. S. Yılmaz	ROS Mediated DNA Damage of Topoisomerase Inhibitors Isolated from Endemic <i>Alkanna cappadocica</i>		14:15 - 14:30 O-BGE015	A. A. Jafari, K. Biranvand, E. Rahmani, M. Chamani	Genetic variability in populations of <i>Bromus tomentellus</i> and <i>Bromus persicus</i> based on morphological and molecular marker (RAPD)	
14:30 - 14:45 O-BME022	F. Özyıldız, M. Güden, A. Uzel, I. Karaboz, Ö. Akil, H. Bulut	Antimicrobial activity of TiO2 coated orthodontics ceramic brackets against Selected Oral Pathogens		14:30 - 14:45 O-BGE016	E. Sakalar, M. F. Abasiyanik, E. Bektik, A. Tayyrov	Effect of heating on quantification of DNA by Real-time PCR	
				14:45 - 15:00 O-BGE017	Y. Bakis, O. U. Sezerman	A Genetic Algorithm Based Model for Predicting Key Positions in Functional Classification of Proteins	
15:00 - 15:30 Coffee Break							
15:30 - 17:30		Session 14A: Anadolu Hall		15:30 - 17:00		Session 14B: Akdeniz Hall	
		PANEL New Approaches on Biomaterials				PANEL Ethics in Bioengineering	
15:30 - 16:00 PNL1:01	D. İla, S. İ. Deliloğlu-Gürhan, R.L. ZimmermanR.A. Minamisawa, M.G. Rodriguez	Next Generation Applications of Ion Beams for Improving Biocompatible Materials		15:30 - 16:00 PNL2:01	C. Özgen	Ethics education in undergraduate curricula	
16:00 - 16:30 PNL1:02	N. Hasircı	Nano-modifications of Polymeric Systems for Medical Purposes		16:00 - 16:30 PNL2:02	M. Kenter	Cleanroom systems in biotechnology	
16:30 - 17:00 PNL1:03	M. Gümüşdereliolu	Thermoresponsive Microcarriers for Large Scale Cultivation of Mammalian Cells		16:30 - 17:00 PNL2:03	N. Gözükürmüzi	Genetically Modified Organisms, Laws and Applications in Turkey	
17:00 - 17:30 PNL1:04	H. Havitcioğlu	The Biomechanics of The Different Bone and Cartilage Scaffold					
17:45 - 18:45 Poster Award Ceremony and Closing Remarks							

June 19, 2010, Saturday

08:30 - 19:00	Social Program (All day)
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