

6.10.2016 - THURSDAY

BOZOK SALON	
08:00 - 09:00	Registration
09:00 - 10:30	Open and Protocol Speeches
10:30 – 10:50	CoffeeandTea Break
CHAIRMEN:Prof.Dr. Şükrü KOÇ, Prof. Dr. Mahmut DOĞRU	
10:50 – 11:10 <i>InvitedSpeakers</i>	Prof. Dr. İsmail BOZTOSUN <i>"NuclearReactionStudies at Akdeniz University: Case of PhotonuclearReactionsforScNuclei"</i>
11:10 – 11:30 <i>InvitedSpeakers</i>	Prof.Dr. Ahmet GÖKÇE <i>"Mineral ResourcesPotantial in Yozgat Province"</i>
11:30 – 11:50 <i>InvitedSpeakers</i>	Prof. Dr. Shoaib USMAN <i>"LWR Design Impact on Radiological Source Term"</i>
11:50 – 12:10	CoffeeandTea Break
CHAIRMEN:Prof.Dr. Ahmet GÖKÇE, Prof. Dr. Emel ALGIN	
12:10 – 12:30 <i>InvitedSpeakers</i>	Assoc. Prof. Dr. John S. MCCARTNEY <i>"GeothermalEnergy Storage in UnsaturatedSoils"</i>
12:30 – 12:50 <i>InvitedSpeakers</i>	Prof. Dr. Jameel- Un NABI <i>"On theeffectiveness of theBrinkhypothesisforstellar β-decayandelectroncapture rates"</i>
12:50 – 13:10 <i>InvitedSpeakers</i>	Tuğçe BAŞER <i>"Underground ThermalEnergyforSustainable Development: AvailableMethodsforSeasonal Solar ThermalEnergy Storage"</i>
13:10 – 13:30	TreePlantingCeremony
13:30– 14:30	Lunch

6.10.2016 - THURSDAY

BOZOK SALON	
CHAIRMEN: Prof. Dr. Ali SARI, Assoc. Prof. Dr. Yasemin KÜÇÜK	
14:30 – 14:50 <i>Invited Speakers</i>	Serhan SÜZER “Solar Energy in Turkey”
14:50 – 15:10 <i>Invited Speakers</i>	Prof. Dr. Emel ALGIN “The so-called Oslo method: Simultaneous extraction of nuclear level density and gamma-ray strength function”
15:10 – 15:30 <i>Invited Speakers</i>	Dr. Abdurrahman MURAT “Oil Shale Rock as an Alternative Energy Raw Material Used For Oil/Energy Production, Ongoing Projects and Potential of Turkey”
15:30 – 15:50	Coffee and Tea Break
CHAIRMEN: Prof. Dr. Mehmet ÇELİK, Assoc. Prof. Dr. Mahmut BÖYÜKATA	
15:50 – 16:10 <i>Invited Speakers</i>	Assoc. Prof. Dr. Yasemin KÜÇÜK “Static and Dynamic Effect in Halo Nuclei Interactions”
16:10 – 16:30 <i>Invited Speakers</i>	Dr. Yusuf ULUTÜRK “Development and The Importance of Afyonkarahisar in Geothermal Future”
16:30 – 16:50 <i>Invited Speakers</i>	Dr. Tayfun AKYÜREK “Nuclear MOX Fuel Burnup Analysis and Monitoring Using Non-Destructive Method”
16:50 – 17:10	Coffee and Tea Break
CHAIRMEN: Dr. Abdurrahman MURAT, Dr. Tayfun AKYÜREK	
17:10 – 17:30 <i>Invited Speakers</i>	Prof. Dr. Ali SARI “Source Rock Studies of the Bituminous Shales (Oil Rocks) in Sorgun (YOZGAT) Field: from the Field of Oil and Gas in Economic Quantities Can Be Produced?”
17:30 – 17:50 <i>Invited Speakers</i>	Assoc. Prof. Dr. Mahmut BÖYÜKATA “The Effect of the Deformation Parameter on the Cross Sections for $^{110}\text{Pd}(d,n)^{111}\text{Ag}$ and $^{110}\text{Pd}(d,2n)^{110}\text{Ag}$ Reactions”
17:50 – 18:10 <i>Invited Speakers</i>	Prof. Dr. Mehmet ÇELİK “Evaluation of Relation of Delice River and Aquifer Systems Based on Groundwater Quality in The Vicinity of Yerköy (Yozgat)”
18:10 – 18:30	Nasuh AYDIN “Yesterday to Future – Temrezli Uranium Project”
19:30	Dinner (in Nohutlu)

7.10.2016-FRIDAY

ÇAPANOĞLU SALON

CHAIRMEN: Prof. Dr. Ömer BOZKAYA; Prof. Dr. Yusuf Kağan KADIOĞLU	
09:00 – 09:20 <i>Invited Speakers</i>	Assoc. Prof. Dr. Fethullah ARIK <i>“Prospection, the Role of the Geological Engineers in the Mine Prospecting and National Mining Policy”</i>
09:20 – 09:40 <i>Invited Speakers</i>	Prof. Dr. Yener EYÜBOĞLU <i>“The Late Mesozoic-Cenozoic Magmatism and Related Mineralizations in Northeastern Turkey”</i>
09:40 - 10:00 <i>Invited Speakers</i>	Mehmet Şevket EROL <i>“Role and Importance of the Magnesite Ore”</i>
10:00-10:20	Arık F., AY B. and Özen Y. <i>“Geochemical Investigations and Ore Potential of the Volcanites in SW Konya”</i>
10:20 – 10:40	Coffee and Tea Break
CHAIRMEN: Assist. Prof. Dr. Yıldırım Güngör, Tuğçe BAŞER,	
10:40 – 11:00 <i>Invited Speakers</i>	Prof. Dr. Alper BABA <i>“Factors Affecting the Quality of Groundwater Resources and Its Effects in Turkey”</i>
11:00 – 11:20 <i>Invited Speakers</i>	Prof. Dr. Ömer BOZKAYA <i>“Clay Occurrences Related to Hydrothermal Ore Deposits: Indicator for Condition, Origin and Age”</i>
11:20 – 11:40	Ozdogan-Dolcek A. and Tinjum M.J. <i>“Numerical Modeling of Large Scale Ground Coupled Heat Exchanger, Performance Evaluation and Sustainability”</i>
11:40 – 12:00	Akın M. and Akın M. K. <i>“Significance of Geotechnical Investigations during the Mining of Underground Resources”</i>
12:00-12:20	Bülbül A., Alçiçek H., Alçiçek M. C. and Yavuzer İ. <i>“Investigation of Hydrogeological Properties of Denizli Basin Geothermal System (Southwestern Anatolia, Turkey)”</i>
12:20-13:30	Poster Sessions
13:30 – 14:30	Lunch

7.10.2016-FRIDAY

BOZOK SALON	
CHAIRMEN: Prof. Dr. Yener EYÜBOĞLU, Prof. Dr. Alper BABA	
14:30 – 14:50 <i>InvitedSpeakers</i>	Prof. Dr. Gülcan BOZKAYA “Investigatingthe P-T-X Conditions of HydrothermalFluidFlowresponsibleforAu-Ag-Base-Metal Mineralization inthe Biga Peninsula”
14:50 – 15:10 <i>InvitedSpeakers</i>	Yrd. Doç. Dr. Yıldırım GÜNGÖR “Sustainable Development andGeology”
15:10 – 15:30 <i>InvitedSpeakers</i>	Prof. Dr. Yusuf Kağan KADIOĞLU “ShallowGeothermalSystemsandTheirFeasibilityin Turkey”
15:30 – 15:50	Maden N. andAkaryalı E. “Investigation of golddepositsrelatedtoalterationwithradiometricmethod: Arzular (Gümüşhane) Area”
15:50-16:10	OrhanA. andMutlu H. “StableIsotopeStudies ($\delta^{18}O$ and $\delta^{13}C$) on W- SkarnMineralizationAssociatedwith Topuk Pluton (Bursa, Western Anatolia, Turkey)”
16:10-16:30	Akın G. “GeothermalResources of Yozgat ProvinceandTheirCharacteristics”
16:30-	Dinner (in Sarıkaya)

7.10.2016-FRIDAY

DEMİRLİ MEDRESE SALON

CHAIRMEN: Prof. Dr. Galip AKIN, Assist. Prof. Dr. Derya KOCA

09:00 – 09:20 <i>Invited Speakers</i>	Prof. Dr. Şükrü KOÇ , Yavuz Pehlivanlı B. and Sarı A. <i>“Variation of Trace and Radioactive Elements in Oil Shales: A case study on Hatıdağ and Çayırhan Oilshales”</i>
09:20 – 09:40	Akız H.F. <i>“Mars, in Term of Relations Between Underground Treasures and Cosmos”</i>
09:40 - 10:00	Kocaman R. , Boztaş S.C. and Kocaman B. <i>“Producing Gas from Coal and Using in Energy”</i>
10:00 - 10:20	Yavuz Pehlivanlı B. <i>“Application of Sulfur and Carbon Isotopes for Geochemical Investigation of Oil Shale: A Case Study from the Çeltek Formation, Sorgun, Yozgat (Turkey)”</i>
10:20 – 10:40	Coffee and Tea Break
CHAIRMEN; Prof. Dr. Gülcan BOZKAYA, Assist. Prof. Dr. Esra ÜNAL ÇAKIR	
10:40 – 11:00	Akbulut K. and Akaryalı E. <i>“The Origin of Eylence Yayla Pb-Zn-Cu±Au Mineralization (Kelkit-Gumushane, NE Turkey)”</i>
11:00 – 11:20	Şahin U. <i>“Comparison of Sustainability Assessment of Fossil Fuels for Electricity Production in Turkey Using Analytic Hierarchy Process (AHP) and Analytic Network Process (ANP)”</i>
11:20 – 11:40	Maden N. , Akaryalı E., Aydınçakır E. <i>“Determination of the Genesis of Eocene Volcanics in the Borçka (Artvin, NE TÜRKİYE) Area with Gamma Ray Spectrometer”</i>
11:40 – 12:00	Özalp M. <i>“Energy Security in the Power Axis and Reflections on The Stability”</i>
12:00 - 12:20	Ünal Çakır E. <i>“Trace Elements of Sulfide Minerals in Dursunbey (Balıkesir-) Pb-Zn Ore Deposit”</i>
12:20-13:30	Poster Sessions

13:30 – 14:30	Lunch
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7.10.2016-FRIDAY

FENNİ SALON	
CHAIRMEN: Assoc. Prof. Dr.Fethullah ARIK, Assist. Prof. Dr. Berna YAVUZ PEHLİVANLI	
14:30 – 14:50	Özen Y. and Arık F. “ <i>Genetic relationship of polymetallic hydrothermal Değirmenciler Sb, İnkaya Cu-Pb-Zn-(Ag) and Arpaçukuru Fe-Cu mineralizations in Simav (Kütahya-NW Turkey)</i> ”
14:50 – 15:10	Tümüklü, A., Altuncu, S. And Ozgür, F.Z. “ <i>Mineralogy and Geochemistry of the Iron Mineralizations Associated with Uckapili Granitoid (Nigde)</i> ”
15:10 – 15:30	Özen Y. and Arık F. “ <i>Geochemical, Fluid Inclusion and Isotopic (S, O, Pb) Investigations of Pınarbaşı Pb-Zn Mineralization (Gediz-KÜTAHYA) NW Turkey</i> ”
15:30 – 15:50	Koralay D. B. “ <i>Biomarker Characteristics of Low Organic Carbon Coal: Yatağan Coal Occurrences (Denizli/SW Turkey)</i> ”
15:50-16:10	Kahraman Çınar A. and Şimşek F. “ <i>Common Underground Treasures of Anatolian Civilizations in the 2nd Millennium BS</i> ”
16:10 – 16:30	Poster Sessions
16:30-	Dinner (in Sarıkaya)

7.10.2016-FRIDAY

BOZOK SALON	
CHAIRMEN: Prof. Dr. Mustafa BÖYÜKATA	
09:00 – 09:20 <i>Invited Speakers</i>	Prof. Dr. Ömer YAVAŞ <i>“Accelerator Technologies, CERN and Turkish Accelerator Center”</i>
09:20 – 09:40	Çapalı V., Şekerci M., Özdoğan H. and Kaplan A. <i>“Reaction Cross-Section Calculations of the Structural Reactor Materials 58,60,61,62,64Ni for Different Level Density Models”</i>
09:40 – 10:00	Tabar E., Yakut H., Quliyev H. and Kuliev A.A. <i>“Explanation of M1 Excitations Via Spin-Spin Interaction in Odd-Mass 229-233Th Isotopes”</i>
10:00 – 10:20	Dulger F. , Sert Y. and Boztosun I. <i>“Extended Studies for Strontium Isotopes: Energy Levels and Half-lives”</i>
10:20 – 10:40	Coffee and Tea Break
CHAIRMEN: Prof. Dr. Recep ŞAHİNGÖZ	
10:40 – 11:00 <i>Invited Speakers</i>	Prof. Dr. Niyazi MERİÇ <i>“Dating Studies at Ankara University”</i>
11:00 – 11:20	Furuncu Y. <i>“Energy Dependence and Nuclear Energy Projects in Turkey”</i>
11:20 – 11:40	Direkçi M., Baldık R. and Boztosun İ. <i>“Microscopical Optical Model Analysis of 10Be+64Zn Elastic Scattering System: Effectiveness of Form of Density Distribution”</i>
11:40 – 12:00	Bayram T. and Akkoyun A. <i>“On the Binding Energy Predictions of RMF Model with DEFNE Interaction Parameters”</i>
12:00 – 12:20	Kara O. , Hürdoğan E. ve Büyükalaca O. <i>“Second Law Analysis of An Adsorption Air-conditioning System”</i>
12:20-13:30	Poster Sessions
12:20 – 14:30	Lunch

7.10.2016-FRIDAY

ÇAPANOĞLU SALON

CHAIRMEN: Prof. Dr. EROL KURT

14:30 – 14:50 <i>Invited Speakers</i>	Prof. Dr. Ayşe KAŞKAŞ <i>“The Solutions of Neutron Transport Equation: Theory and Applications”</i>
14:50 – 15:10	Öztürk H. <i>“Numerical Solution of the Neutron Transport Equation Using SN Method with the First Kind of Chebyshev Polynomials”</i>
15:10 – 15:30	Duran D. <i>“Quantum Fisher Information Dynamics for LMG Model Under Decoherence”</i>
15:30 – 15:50	Şahin U. <i>“Sustainability Assessment of Renewable Energy Sources for Electricity Production in Turkey Using Analytic Network Process (ANP) with Benefits, Opportunities, Costs and Risks (BOCR) Analysis”</i>
15:50 – 16:30	Poster Sessions
16:30-	Dinner (in Sarıkaya)

7.10.2016-FRIDAY

FENNİ SALON

CHAIRMEN: Prof. Dr. Hidayet ÇETİN

09:00 – 09:20 <i>Invited Speakers</i>	Prof. Dr. Erol KURT “Piezoelectrics as Micro-Energy Devices”
09:20 – 09:40	Ümsür B., Calvet W., Bercegol A., Steigert A., Kiss J., Mirhosseini H., Gorgoi M., Greiner D., Kaufmann C.A., Lux-Steiner M.Ch. and Lauer mann I. “XPS Analysis of Cd Diffusion into Cu-poor and Cu-rich Cu(In,Ga)Se ₂ Solar Cell Absorbers”
09:40 – 10:00	Öz bay Karakuş M., Koca İ., Koca A., Er O. and Çetin H. “Dyes Extracted from Pelargonium Flowers: A Solar Cell Application and Dyes Ingredients Analysis Study”
10:00 – 10:20	Önen T., Öz bay Karakuş M., Coşkun R., Eren Yakışıklıer M. and Çetin H. “New Type Gels for Dye Sensitized Solar Cells”
10:20 – 10:40	Coffee and Tea Break
CHAIRMEN: Assoc. Prof. Dr. Ümit TEMİZER	
10:40 – 11:00 <i>Invited Speakers</i>	Assoc. Prof. Dr. Mustafa ERKOVAN “New Trends in the Photovoltaic Technology”
11:00 – 11:20	Yıldırım M.H. and Odabaşoğlu M. “Synthesis, Structural and Electronic Characterization of 2-Carboxy-4-hydroxyanilinium chloride hydrate”
11:20 – 11:40	Ermış İ. “Fabrication and Characterization of (Bi _{1-x} -yEr _x Y _y) ₂ O ₃ System for Solid Oxide Fuel Cells”
11:40 – 12:00	Öztürk N., Alaşalvar C. and El-Emam A.A. “The Experimental and Theoretical Spectroscopic Characterization of 3-[(N-methylanilino)methyl]-5-(thiophen-2-yl)-1,3,4-oxadiazole-2(3H)-thione”
12:00 – 12:20	Özdemir M. and Ökten K. “The Thermal Examination of Fibreglasses Application for

	<i>HeatRecoveryTanks”</i>
12:20-13:30	Poster Sesions
12:20 – 14:30	Lunch

7.10.2016-FRIDAY

DEMİRLİ MEDRESE SALON	
CHAIRMEN: Assoc. Prof. Dr. Hatice KANBUR ÇAVUŞ	
14:30 – 14:50 <i>InvitedSpeakers</i>	Prof. Dr. Şemsettin ALTINDAL <i>“ElectricalCharacterizationandSources of EnergyLosses in SolarCells”</i>
14:50 – 15:10	Şahingöz R. andKanbur Çavuş H. <i>“SomeMagneticProperties of MetallicGlasses as Perfect RawMaterialsfor Applications”</i>
15:10 – 15:30	Büyükakkaş S. <i>“Investigation of MorphologicalandMechanicalProperties of Fe-%40Ni-%2X (X=Mn, Si) Alloys”</i>
15:30 – 15:50	Taşköprü T.andGençyılmaz O. <i>“EnhancedSomePhysicalProperties ofCuOFilmsbyChangingAnnealingAtmosphere”</i>
15:50 – 16:30	Poster Sesions
16:30-	Dinner (in Sarıkaya)

7.10.2016-FRIDAY

SÜRMELİ SALON

CHAIRMEN: Prof. Dr. Niyazi MERİÇ	
09:00 – 09:20 <i>InvitedSpeakers</i>	Prof. Dr. Sefa ERTÜRK “PossibleNuclearPowerPlantTypesforTurkey in theFuture, NuclearEnergyandTechnologyPolicies”
09:20 – 09:40 <i>InvitedSpeakers</i>	Assoc. Prof. Dr. Serkan AKKOYUN “Investigation of PhotonuclearReactionProductsfromGalliumTarget”
09:40–10:00	Akyürek T. “DifferentMethodsforDead-time Determination of NuclearDetectors”
10:00 – 10:20	Sert Y. “Global Optical PotentialfortheElasticScattering of $17O+58Ni$ ”
10:20 – 10:40	CoffeeandTea Break
CHAIRMEN: Prof. Dr. Ömer YAVAŞ	
10:40 – 11:00 <i>InvitedSpeakers</i>	Prof. Dr. Nurettin TÜRKAN “Theinvestigation of vermiculiteandboronadmixtureas an Alternatingshieldingmaterialfor gamma rays”
11:00 – 11:20	Böyükata M.and Polat İ. “Density functional study of spin multiplicity and molecular interaction site effect on stability of $COAlB_n$ clusters for $n=1-7$ ”
11:20 – 11:40	KöseB. ,GüneşerM.T.andRecebli Z. “Using MeasureCorralatePredictMethodstoCalculateWindEnergyPotential, and an Utilization in Karabük”
11:40 – 12:00	Çavuş M., Körpe E., Acar A. O., Kuyucak S., Baştuğ T. “Characterizations of IonPermeability in NavMs Channel”
12:00 – 12:20	Aydın, K., Ural, T.andKeçebaş, A. “Numerical Analysis of Operating Performance of A PlateTypeHeatExchangerUsed in Geothermal Applications”
12:20-13:30	Poster Sesions
12:20 – 14:30	Lunch

6.10.2016 - THURSDAY & 7.10.2016-FRIDAY

POSTER PRESENTATIONS		
J1	Akkaya P. ,Moradi A.V. and Sarı A	Deciphering the Conditions Resulted in the Deposition of Haçılı Formation's Organic-Rich Shale: Anoxia or High Sedimentation Rate ?
F1	Badalı Y. , Nikravan A., BilgenBenli B., Altındal Ş and Uslu İ.	Interlayer thickness dependent electrical characteristics of Al/(3% Zn-doped Al/PVA) /p-Si (MPS) structures at room temperature
J2	Bülbül A. and Koç A.C.	Integration of Kızılay Mineral Spring and AfyonGazlıgöl Geothermal System
F2	Büyükakkaş S.	Effect of Alloying Elements on Mechanical Properties of Fe-based SuperAlloys
J3	Canbaz O. ,Gürsoy Ö. and Gökce A.	Investigation of Hydrothermal Alteration by ASTER SWIR Satellite Images (Ağmaşat Plato, Zara-SİVAS)
F3	Çiçek Ş. ,AygunM. andAygun Z.	A Study on Elastic Scattering of $^{19}\text{F} + ^{159}\text{Tb}$ Reaction
F4	Çiçek Ş. ,AygunM.andAygun Z.	An Theoretical Analysis of Quasi-elastic Scattering of $^7\text{Li} + ^{120}\text{Sn}$ System
F5	Direkçi M. andBoztosun İ.	Microscopic Optical Model Analysis of $^7\text{Be} + ^{58}\text{Ni}$ Elastic Scattering System at $E_{\text{Lab}} = 23.2\text{ MeV}$
J4	Ekinci Z.D. andYavuzPehlivanlı B.	Coal Petrography analysis of Ç and SJ no of samples that belongs to New Çelték Coal Companies
F6	Esmer K. , Avcı D., Tamer Ö. andAtalay Y.	Geometry Optimization, Spectroscopic Characterization and Nonlinear Optical Properties of Dimethylammonium 4-Nitrobenzoate: A DFT Study
F7	Şahingöz R. andKanburÇavuş H.	Electrical Analysis Of Polymer Thin Films: Comparison Study
F8	Kaplan A. ,Çapalı V., Şekerci M. andÖzdoğan H.	Effects of Mean Free Path Parameters for Reaction Cross-Section Calculations
F9	Ozalp C. and Kara O.	Investigations Of Self Excited Oscillations Along Perforated Plates Which Have Different Hole Diameters
J5	Koca D. and Sarı A.	Factors Controlling Element Composition Variations and Organic Matter Accumulation of Tekirler Organic-Rich Rocks (Ankara/Turkey)
J6	Maden N. ,Çelik N. andAkaryalı E.	The Natural Radiation Level and its possible effect on Human Health: Gümüşhane Example
F10	Özdoğan H. ,Şekerci M., Çapalı V. andKaplan A.	Cross-Section Calculations of (γ, xn) and (p, xn) Reactions for ^{197}Au
J7	Özen Y. and Arık F.	Stable isotope investigation of GürkuyuSb mineralization (Gediz-Kütahya-NW Turkey)
J8	Sarı A. and YavuzPehlivanlı B.	Depositional Environment According to Rare Earth Elements (REE) content of 100 Haçılı Formation Interbedded Oil Shale and Coal in Dodurga Basin (Çorum- TURKIYE)
F11	Şekerci M. ,Çapalı V., ÖzdoğanH.andKaplan A.	Production Cross-Section of Medical ^{177}Lu Using Neutron and Proton Induced Reactions