

Symposium on Functional Materials Science and Engineering (SFME-2024) (PROGRAM)

08:30-09:00		Registration
09:00-09:10		Opening Ceremony
09:10-09:15		Prof. Dr. Ömer ARIÖZ Rector, Toros University
09:15-09:20		Prof. Dr. Adnan MAZMANOĞLU Dean of Engineering Faculty, Toros University
Session I-Invited Speakers <i>Chair, Prof. Dr. Adnan MAZMANOĞLU, Scientific Organization Committee</i>		
I1	09:20-09:55	Biomimetic approaches in nanomaterial design: Engineering strategies for an eff. artificial leaf Prof. Dr. Kasım OCAKOĞLU Department of Engineering Natural Sciences, Faculty of Engineering, Tarsus University
I2	09:55-10:30	Acoustic metamaterials for aeronautic applications: a review Prof. Dr. Amirullah M. MAMEDOV Honor Scientist of Azerbaijan, State Prizes Winner, Senior Researcher Nanotechnology Research Center, Bilkent University
Coffee Break /Poster Session <i>Assist. Prof. Dr. Merve ÖZCAN, Vice Chair of Scientific Organization Committee</i>		
P1	10:30-11:00	Synthesis and characterization of poly (1-vinyl-1,2,4-triazole) as dielectric layer for organic field effect transistors Lecturer Dr. Yasemin TORLAK Plant and Animal Production Department, Çal Vocational School, Pamukkale University
P2		Functionalization of thin films prepared for cosmetic applications with honey bee products Begüm ARSLAN, Fatma UYSALOĞLU, Bensu YEŞİLHÜYÜK, Atakan TOKLU, Assist Prof. Dr. Didem DEMİR Depart. of Chemistry and Chemical Proces. Technologies, Tech. Sci. Voc. High Sch., Tarsus University
P3		Theoretical and experimental investigation of the radiation shielding and antimicrobial properties of ZnO doped Pbo glass material Assist. Prof. Dr. Arzu COŞKUN, Assoc. Prof. Dr. Efdal Oktay GÜLTEKİN Department of Medical Services and Techniques, Health Vocational School, Toros University
P4		Frequency Dependent Dielectric Properties of PA 66 Polyamide Composites with Graphene Nanoplatelets for Aerospace Applications Mehmet KURUCAN¹, Assoc. Prof. Dr. İbrahim KARTERİ^{1,2} ¹ Department of Enrgy Sys.Eng., Faculty of Elbistan Engineering, K. Maraş İstiklal University ² Department of Materials Sci.& Eng., Institute of Graduate Education, K. Maraş İstiklal University
P5		Graphite Doped Engineering Plastic Composites: A Novel Material for Aero-space Applications Mehmet KURUCAN¹, Assoc. Prof. Dr. İbrahim KARTERİ^{1,2}, Muhammet KARATAŞLI³ ¹ Department of Enrgy Sys.Eng., Faculty of Elbistan Engineering, K. Maraş İstiklal University ² Department of Materials Sci.& Eng., Institute of Graduate Education, K. Maraş İstiklal University ³ Department of Elect.&Com. Eng., Faculty of Engineering and Architecture, Beykent University
P6		Optical, structural, and morphological properties of SnS thin film by chemical bath deposition Mohamed El Moustapha ABD DAYEM¹, Lec. Sevda İldan ÖZMEN², Prof. Dr. Hülya Metin GÜBÜR¹ ¹ Department of Physics, Mersin University ² Advanced Technology Education Research and Application Centre, Mersin University
P7		New Water-Soluble Phthalocyanine Derivatives for Photodynamic Therapy Applications Perihan K. DEMIRCIOĞLU¹, Şifa DOĞAN¹, Assist. Prof. Dr. Abdulcelil YÜZER², Assoc. Prof. Dr. Derya YETKİN³, Prof. Dr. Mine İNCE¹, Assoc. Prof. Dr. Furkan AYAZ⁴ ¹ Department of Natural and Mathematical Sciences, Faculty of Engineering, Tarsus University ² Dep. of Elect. and Auto., Voc. School of Tech. Sci. at Mersin Tarsus Org. Ind. Zone, Tarsus University ³ Mersin University, Advanced Technology Education Research and Application Center ⁴ Mersin University, Department of Biotechnology, Faculty of Arts and Science
Session II-Invited Speakers <i>Chair, Prof. Dr. Zehra YEĞİNGİL, Scientific Organization Committee</i>		
I3	11:00-11:35	Geopolymer: A Novel Functional Material Assist. Prof. Dr. Evren ARIÖZ Department of Chemistry Engineering, Faculty of Engineering, Eskisehir Technical University
I4	11:35-12:10	Hybrid Imaging Technology and Materials Prof. Dr. Sefa ERTÜRK Department of Biophysics, Faculty of Medical, Niğde Ömer Halisdemir University
12:10-13:00		Lunch

Session III-Plenary Speakers <i>Chair, Assist. Prof. Dr. Cevher AK, Scientific Organization Committee</i>		
O1	13:00-13:20	A Novel Microwave energy-based approach towards hybrid nanomaterial preparation for energy storage applications <i>Assoc. Prof. Dr. Selçuk POYRAZ</i> Department of Textile Engineering Faculty of Engineering, Adiyaman University
O2	13:20-13:40	Production and Characterization of Polyvinyl Alcohol (PVA) Chitosan (CH) Wound Dressings Enriched with Hypericum perforatum L. extract <i>Assist. Prof. Dr. Evren ARIÖZ, Assist. Prof. Dr. Suzan AY, Duygu ERKMEN</i> Department of Chemistry Engineering, Faculty of Engineering, Eskişehir Technical University
	13:40-14:00	The use of acrylic sheets in strain measurement <i>Assoc. Prof. Dr. İbrahim YILDIZ</i> Department of Mechatronics Engineering, Faculty of Engineering, Necmettin Erbakan University
O3	14:00-14:20	Stresses occurring on a cylinder with annular silicon carbide (SiC), Ti₆Al₄V and copper (Cu) materials <i>Assoc. Prof. Dr. Hüseyin Fırat KAYIRAN</i> Department of Agriculture and Rural Development Support (ARDSI)
O4	14:20-14:40	Melt quality assessment in casting of AA6082 alloy <i>Bilgehan TUNCA¹, Prof. Dr. Levent Cenk KUMRUOĞLU¹, Prof. Dr. Derya DIŞPINAR²</i> ¹ Dep. of Metallurgy and Mat. Engineering Facu. of Eng. and Nat. Sci. Iskenderun Technical University ² R&D Department, Foseco, Enschede, The Netherlands
O5	14:40-15:00	Design and production of new type reinforced U-profile composite panels <i>Merve USLU¹, Prof. Dr. Mete Onur KAMAN¹, Assist. Prof. Dr. Cenk YANEN¹, Lecturer Dr. Mustafa ALBAYRAK², Prof. Dr. Serkan DAĞ³, Assist. Prof. Dr. Serkan ERDEM¹, Prof. Dr. Kadir TURAN⁴</i> ¹ Department of Mechanical Engineering, Engineering Faculty, Fırat University ² Department of Machine and Metal Technologies, Industrial Zone Vocational School, Inonu University ³ Department of Mechanical Engineering, Engineering Faculty, Middle East Technical University ⁴ Department of Mechanical Engineering, Engineering Faculty, Dicle University
15:00-15:20 Coffee Break		
Session IV-Plenary Speakers <i>Chair, Assoc. Prof. Dr. Çağdaş ALLAHVERDİ, Scientific Organization Committee</i>		
O6	15:20-15:40	Exploring the effects of Pb substitution on the structure, magnetic and magnetocaloric properties of La_{1.96}Pb_{0.04}NiMnO₆ <i>Arda KANDEMİR¹, Assoc. Prof. Dr. Ali Osman AYAS², Prof. Dr. Ahmet EKICIBİL¹</i> ¹ Department of Physics, Faculty of Science and Letter, Cukurova University ² Department of Physics, Faculty of Science and Letter, Adiyaman University
O7	15:40-16:00	Contribution of artificial intelligence and computer architecture to materials science <i>Assoc. Prof. Dr. Hüseyin Fırat KAYIRAN¹, Oğuz Kağan BİLİCİ, Dt. Eşref KAYIRAN</i> ¹ Department of Agriculture and Rural Development Support (ARDSI) ² Tepebaşı Ağız ve Diş Sağlığı Hastahanesi, Başhekimi, Keçiören, Ankara
O8	16:00-16:20	Organik temelli CdS elektrodunun fotoelektrokimyasal aktivitesinin incelenmesi <i>Derya KAYA, Research Assist. Dr. Rukan Suna KARATEKİN, Prof. Dr. Meltem Kahya DÜDÜKÇÜ</i> Department of Chemistry, Faculty of Science and Letter, Mersin University
O9	16:20-16:40	Tensile properties of carbon nanotubes reinforced high density polyethylene nanocomposite materials <i>Lecturer Murat MIRİK¹, Prof. Dr. Necmettin TARAKÇIOĞLU², Prof. Dr. Levent Cenk KUMRUOĞLU³</i> ¹ Department of Motor Vehicles and Transportation Technology Rail Systems Machine Technology Program Sivas Vocational School of Technical Sciences Sivas Cumhuriyet University ² Department of Metallurgy and Materials Engineering Technology Faculty Selçuk University ³ Dep. of Metallurgy and Mat. Engineering Facu. of Eng. and Nat. Sci. Iskenderun Technical University
O10	16:40-17:00	Investigation of Luminescence Properties of Baddeleyite Doped Dy³⁺ <i>Lec. Dr. Özlem YİĞİT¹, Dr. Şenel ÇOBANER², Prof. Dr. Kasım KURT³</i> ¹ Aydıncık Vocational of School, Mersin University ² Nanotechnology and Advanced Materials, Mersin University ³ Science Faculty, Physics Department, Mersin University
O11	17:00-17:20	Investigation of Radioluminescence of Natural Fluorites Collecting from Kırşehir Region <i>Lec. Saadet Özdemir ARSAKAY¹, Lec. Dr. Özlem YİĞİT², Prof. Dr. Kasım KURT³</i> ¹ Mersin Vocational of School, Mersin University ² Aydıncık Vocational of School, Mersin University ³ Science Faculty, Physics Department, Mersin University
Closing Ceremony		
17:20		<i>Assoc. Prof. Dr. Ali Kemal HAVARE</i> Chair of Scientific Organization Committee, Toros University



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