

SCIENTIFIC PROGRAMME FOR ICSuSaT-2024

ORAL PRESENTATIONS 13 July 2024-Saturday

HALL-1

09.00-12.00	Opening : Prof. Dr. Iskender AKKURT (Chair of ICSuSaT-2024)—Suleyman Demirel University, Isparta / TURKIYE	
	Session Chair : Dr. Feride KULALI-- Uskudar University, Istanbul / TURKIYE	
	Invited Speaker 1: Dr. Khedidja Benarous-- University of Laghouat-Algeria “In Silico Leishmaniasis Drug Discovery: A Promising Path towards Novel Therapeutics”	
	Invited Speaker 2: Dr. Roya Boodaghi Malidarreh-- Ural Federal University, Ekaterinburg-Russia “FLASH Radiation therapy: An innovative modality for cancer treatment”	
	Invited Speaker 3: Dr. Aftab Alam Khan -- Dhaka University Present: UGC Professor BSMR Maritime University, Dhaka, Bangladesh “Opportunities and Challenges in Maritime Domain for Blue Economy: Role of Geological Oceanography ”	
	Invited Speaker 4: Dr. Marwa HASNI -- National Engineering School of Tunis, University of Tunis El Manar, Tunisia “	
	Invited Speaker 5: Prof. Dr. Amir Hussain -- Edinburgh Napier University, UK “Trustworthy AI-enabled Sustainable Technologies: Applications in Assistive Healthcare, Challenges and Opportunities”	
12.00-12.30	BREAK	

HALL-1

12.30-15.15	Session Chair : Dr. Roya Boodaghi Malidarreh-- Ural Federal University, Ekaterinburg-Russia		
	57	Ayşenur KÜTÜK, Fatih Ekrem ONAT, Osman GÜNAY	Linear Attenuation Coefficient and Mass Attenuation Coefficient Parameters of Lithium Barium Borophosphate Glass Samples Doped with Dy ³⁺ Ions
	205	Bourara Hana, , Flici Feraoucene; Guernouti Manel, Mahtali Afaf, Zeggagh Khaled, Atia Sad, Benabdelghani Zitouni	Development and characterization of a bioactive films based on Lepidium sativum.
	241	Mehmet Burak BARTAN, Özlem TÜRKŞEN	Çanakkale'deki Lisanslı Rüzgâr Enerji Santrallerinin Mekânsal İstatistiksel Analizi
	159	Ela BOZKURT	Leveraging Emerging Technologies in Cultural Heritage Management as a Driving Force to Sustainability
	53	Rachid Tigrine, Sansabilla Bouchareb, Nour El Houda Laouici	VIBRATIONAL PROPERTIES OF ORDERED METTALIC SURFACE ALLOY Cu (110)-2x1-Pt
	55	Aakila Lagouch, Rachid Maouedj, Ali Benatiallah, Mohamed Benhadj, Sarah Regragui, Sara Abban, Sansabilla Bouchareb	The impact of the desert climate on the performance of large-scale solar plant
	62	Loukmane ZEDDAM, Fateh MADANI, Abdelkader KIRAD, B. G. N. Muthanna	Torsional Impact on Penny-Shaped Crack in Elastic Material
	88	Enes ÖNDEN, Coşkun HARMANŞAH	Firmalarda Yeni Ürün Geliştirme Stratejilerinde Yeşil PLM'nin Rolü ve Seçim Kriterlerinin Araştırılması
	115	F. MOUHOUCHE, K. DJAFRI and M. DEHMAS	A Compact Metamaterial-Inspired Quad-Band Antenna for WIMAX and C Band Applications
	204	Lilia ALALGA, Aicha BENAMAR	The effect of bimodal porosity of the support on the catalytic decomposition of methane over Ni-based catalysts.
	213	Yacine HALOUANE, Abdelouahab DEHBI	Numerical simulation of a slow deflagration of hydrogen, carbon monoxide and steam mixture with reduced oxygen concentration
15.15-15.30	BREAK		
15.30-18.00	16	Violeta MANGALGIU, Ionel MANGALAGIU, Dumitretra DIACONU, Vasilichia ANTOCI, Dorina AMARIUCAI-MANTU	Pyridazine derivatives with antimicrobial activity
	17	Ionel MANGALGIU , Violeta MANGALAGIU , Dumitretra DIACONU , Vasilichia ANTOCI , Dorina AMARIUCAI-MANTU	Five and six member ring azaheterocycles with antimicrobial and anticancer activity
	161	İskender Akkurt	Effective Atomic Number for Cellulose Acetate 30ZnO-70Ca Polymer Composites
	162	İskender Akkurt	Effect of ZnO rate on the Effective electron Number for Cellulose Acetate Polymer Composites
	163	İskender Akkurt	Average molecular weight for Polymer Composites
	232	Bilgehan Yildiz, Murat Ustaoglu	Impact of the AI Revolution on the Future Labor Market in Developed Countries: A Panel Data Analysis
	251	Osman GÜNAY	Analysis of Electronic Cross Section (ECS) in Complex Borate Glass Containing CaO
	252	Kadir GÜNOĞLU, Osman GÜNAY, İskender AKKURT	Assessment of the Mass Attenuation Coefficient in Boron-Enhanced Glass Systems
	253	Kadir GÜNOĞLU, Osman GÜNAY, Fatih Ekrem ONAT, İskender AKKURT	Evaluation of Effective Electron Density in Aluminum-Enhanced Glass Compositions
	254	İskender AKKURT, Kadir GÜNOĞLU, Osman GÜNAY	Exploring the effective conductivity (Ceff) in a Borate Glass System Doped with Sodium
255	Hilal ÖZTÜRK, Osman GÜNAY, Didem AVCI KARAKURT	Quantitative Analysis of equivalent atomic number (Zeq) in Barium-Infused Glass Systems	

HALL 2

Session Chair : Dr. Serap Ozhan DOGAN —Beykent University, Istanbul / TURKIYE			
12.30-15.15	77	Yamina CHERGUI, Soumia BENKHATOU, Fouzia OUAZANI	Cyclisation of Hydrazide Amino Acid Derives
	79	H.Slaouti, S.Boutamine	SYNTHESIS AND SPECTRAL STUDIES OF SOME VANADIUM COMPLRXES WITH DIPHENYL CARBAZONE.
	81	Walid TOUZOUT, Abdessamed Ait chikh, Fawzi GOUGAM, Adel AFIA	Comparative Study of Artificial Intelligence-Based Battery State of Charge and Remaining Charging/Discharging Time Estimation
	116	Kahina DJAFRI, Faiza MOUHOUCHE, Mokrane DEHMAS and Mohamed El Amine ZEBOU DJ	Triple-Band Compact Monopole Antenna based on Octagonal Rings for Wireless Applications
	117	Ben Ammar Ben Khadda	Contribution to the recycling of demolition concrete for the prefabrication industry
	136	Nafissa Khennafi-Benghalem, Mohamed Mustapha Benghalem	Comparative study of the evolution of dimensional and volumetric losses of X12NiCrMoSi25- 20 and 25CrMo4 steels under lubricated conditions
	142	Hanachi S, Sifi.K , Kerouaz.N, Boudaoud Khalida, Zekri.S, Benmebarek.K, Abadi.N	MTHFR C677T polymorphism and Diabetes mellitus type 2: Is there a correlation?
	143	Hanachi S, Sifi.K , Kerouaz.N, Zekri.S, Benmebarek.K, Abadi.N	Total plasma homocysteine level and arterial thrombotic risk in East Algerian Population
	237	Mucize Sarihan, Halil Soyol	RADIATION SAFETY AND HOSPITAL MANAGEMENT IN RADIONUCLID APPLICATIONS
	197	Ahmad Radwan, Mohammed AWAD	Classification of Adults' Obesity and Overweight using Machine Learning Models: Case Study Palestine
	199	Hazem K. Khanfar, Atef F. Qasrawi	Improvement of Tungsten Oxide properties using different nanosheets
15.15-15.30	BREAK		
15.30-18.00	198	Sevda Şahan, Sena Ezgi Selçuk	Investigation of Rheological Properties of Different Type Base Oils to Improve Energy Efficiency of Different Types Of Lubricant Formulations
	231	Rachida Hamacha, Bouhadjar Boukoussa, Khoukha Rachida Cherdouane, Rajaa Zegai, Adel Mokhtar, Mohammed Hachemaoui, Ismail Issam , Jibrán Iqbal, Shashikant P. Patole, Fatima Zohra Zeggai, Mohamed Abboud	Preparation of activated carbon-metal nanoparticle composite materials for the catalytic reduction of organic pollutants
	15	Burak KULA, Osman GUNAY, Nami YEGIN, Mustafa DEMIR	PET/MRI: Evaluation of Spatial Resolution
	36	Kaan Selçukhan SAKMAK, Osman GUNAY, Nami YEYİN, Mustafa DEMİR, F. Fatih KESMEZACAR, Duygu TUNÇMAN	Determining the Radiation dose level to which the liver is exposed in liver tumor treatment
	238	Berra Seda Sarhan, Işıl Bilgiç	INTERIOR DESIGN PRACTICES TO PREVENT NUCLEAR ENERGY CONTAMINATION IN RADIATION AREAS
	239	Berra Seda Sarhan, Mucize Sarhan	NUCLEAR MEDICINE LABORATORY (HOT ROOM) DESIGN

ONLINEs

13 July 2024-Saturday	
Prof. Dr. Iskender AKKURT	<p>Topic: ICSuSaT-2024</p> <p>Jul 13, 2024 11:30 AM Istanbul</p> <p>Join Zoom Meeting</p> <p>https://us05web.zoom.us/j/6319935466?pwd=bixP81bGagIWWaGabXACw8FPpFQu2p.1&omn=89753191985</p> <p>Meeting ID: 631 993 5466</p> <p>Passcode: icsusat24</p>

Session Chair : Dr. Osman GUNAY —Yıldız Technical University, Istanbul / TURKIYE		
39	Serkan Biyik, Aykut Canakci	Effect of Nano TiC and Process Control Agent Additions on the Synthesis of Cu-TiC Composite Powder
40	Serkan Biyik, Aykut Canakci, Sedat Alperen Tunc	Influence of Nanographene and Methanol Additions on the Mechanical Alloying Behavior of Al-Cu/SiC/NG Composites
128	Mokhtaria DEHAR, Moulkheir AYAT; Sofiane KHANOUSSE; Fatima Zohra SEBBA	Elimination of an organic pollutant from water by adsorption on composite biomaterial
153	İlyas KARTAL, Hilal SELİMOĞLU, Mehmet TUNÇ, Halil DEMİRER	Usability of Oak Sawdust and Calcite Together as Filler in Polyester Composites of Filled Polyester Composites

12.30-19.00	155	Güzin TÜRKMEN, Gökçen KILIÇ, Barış KAYNAKDEMİR, Yunus Emre ALTINGÖZ	Enhancing Website Safety: A Machine Learning Approach to Detect Inappropriate Visual Content
	178	Fatih Yılmaz	Green hydrogen production potential for Isparta; An evaluation and thermodynamic analysis
	179	Fatih Yılmaz	Development of a waste heat energy recovery system for the production of power and heating; An energy and exergy analysis
	181	Serkan Biyik, Aykut Canakci, Sedat Alperen Tunc	Effect of Methanol Addition on the Particle Size and Morphology of Al-Cu Composites
	182	Serkan Biyik, Aykut Canakci	Influence of Gradual Process Control Agent Technique on the Ball-Milling Behavior of Cu Powder
	191	Yahya Altinkayna, Buket Akcan Altinkaynak, Mauro Serafin	Trends in Research on The Effects of Nutritional Supplements Against Nephrotoxicity; A Bibliometric Study
	206	Aysu İrem Adem, Çiğdem Turhan and Arda Sezen	Systematic Mapping Study on Natural Language Processing for Social Robots
	218	Ebru Aktekin Çalışkan	X-ray Investigation of the Supernova Remnant Candidate G278.0+12.4 and Prospect of Future Missions
	226	Funda TEKGÖZOĞLU, Ahmet Emre KAVRUK, Aysun GOZUTOK, Asli KARAKAS, Aydan YILMAZ	Investigation of Linear and Nonlinear Optical Properties of 5,11,17,23-Tetra-Tert-Buthyl-25,27-Dihydroxycarbonylbenzyloxy-26,28-Dihydroxycalix[4] Arene
	234	Besim XHAFA, Yllka KABASHI	Comparative advantages of Hybrid Treatment Planning Techniques for Left Sided Breast Cancer in Radiotherapy
	242	Murat Kaan Akar, İpek ATİK	Performance Evaluation and Design of Solar Energy Systems in Antalya Province
	243	Mehmet KORKMAZ, İpek ATİK	Solar Power Plants Analysis and Comparative Design with PVsol Program for Renewable Energy Systems
	244	Mehmet ÖZDEMİR, İpek ATİK	Renewable Energy Systems: Analysis and Comparative Design of Solar Energy Production with PVsol Program
	245	Akif AKINCI, İpek ATİK, Ceren BILGIÇ, Mesut BILGIC	Investigation of Solar Energy Potential of Gaziantep Province and Sample Solar Power Plant Analysis
	246	Mustafa ŞİMŞEK, İpek ATİK	Performance Evaluation and Design of Solar Energy Systems in Gaziantep City
	247	SAMET KAYALI, İPEK ATİK	Design of Grid-Connected Solar Power Plant in Gaziantep Province Using PV*SOL Premium
	248	OZAN HÜSEYİN KÖR, İPEK ATİK	DESIGN OF GRID-CONNECTED SOLAR POWER PLANT WITH PV*SOL PREMIUM IN TURKEY
	249	Ayşenur SEKİN, İpek ATİK	Status of Wind Energy in Turkey and Developed Countries
	250	Berfin Nur BAYAR, İpek ATİK	Analysis and Comparative Design of Renewable Energy Systems for Renewable Energy Systems with PVSOL Program
	22	Zouambia YAMINA, Maachou HAMIDA, Mami HANAA, Benbaha NABILA	Xanthan gum hydrogels as a benzylpenicillin delivery system
	34	Yalçın BOZTOPRAK, Hakan ERKUŞ	Enhancing Environmental Sustainability: Fabrication of Electrical Outlets and Switches Using Bio-Composite Materials
	171	Nurdan Karpuz	LAC for Calcium Molybdate
	187	Nurdan Karpuz	Analysis of Electronic Cross Section of Calcium Molybdate
	188	Nurdan Karpuz	Analysis of equivalent atomic number (Z _{eq}) of Calcium Molybdate
	185	Seher Arslankaya	Predicting Breast Cancer with Artificial Neural Networks
186	Seher Arslankaya	Supplier selection with AHP and Fuzzy AHP, one of the multi-criteria decision-making techniques, in a company producing ALUMINUM	
256	Seher Arslankaya	Supplier Selection With Multi-Criteria Decision-Making Methods in a Drug Manufacturing Company	
147	Arslan SAY, Gonca ÜSTÜN, Taina AVRAMESCU, Daniela NEAGOE, Yanislav ZHELEV, Joanna KOMOREK	Face-to-face/Online Education in the Field of Health Sciences: Blended Education	
146	Arslan SAY, Gonca ÜSTÜN, Taina AVRAMESCU, Daniela NEAGOE, Yanislav ZHELEV, Joanna KOMOREK	Covid-19 Vaccines in Preventing Thromboembolic and Cardiovascular Complications in Post-Covid	

POSTERS

Session Chair : Dr. Mucize Sarhan —Okan University, Istanbul / TURKIYE			
09.00-14.00	2	Selena Samardžić, Aleksandra Sitarević, Dušan Grujić, Robert Lakatoš, Ivana Lončarević, Aleksandra Mihailović	Statistical Analysis of Ambient Factors' Perception on Employee Productivity and Wellbeing
	8	Zineb FERGANI	Multi-objective optimization of a Solar-WHR organic Rankine cycle with a zeotropic mixture
	43	Bendjelloul M, Amrane CY, Boukabache L, Benleghib N, Afoutni A, Bensalem H, Cheriet S, Amin Khoudja A, Boulacel A.	The effectiveness of daily use of medical compression in superficial venous disease of the pelvic limbs
	44	Bendjelloul M, Amrane CY, Boukabache L, Benleghib N, Afoutni A, Bensalem H, Cheriet S, Amin Khoudja A, Boulacel A.	The Klippel-Trenaunay syndrome
	45	Bendjelloul M, Amrane CY, Boukabache L, Benleghib N, Afoutni A, Bensalem H, Cheriet S, Amin Khoudja A, Boulacel A.	DIAGNOSTIC APPROACH AND EVALUATION OF SUPERFICIAL VENOUS INSUFFICIENCY
	46	Bendjelloul M, Amrane CY, Boukabache L, Benleghib N, Afoutni A, Bensalem H, Cheriet S, Amin Khoudja A, Boulacel A.	SUPERFICIAL VENOUS DISEASE AND LEG ULCER RESULTS OF A SURVEY 2019-2022
	60	Fawzia BOURSAS, Moufida BEROUAL	Accurate and Efficient Model Energies for Exploring Intermolecular Interactions in Molecular Crystal of 1-[2-(4-Isobutylphenyl) propanoyl]-thiosemicarbazide

61	Fawzia BOURSAS, Mouflida BEROUAL	Energy frameworks : insights into interaction anisotropy and the mechanical properties of Methyl 4-((4-methylphenyl)sulfonyl)-amino}benzoate
67	Wahida LOUCIF-AYAD, Ahmed Sabri AYAD, Samia BENCHAAABANE, Tarek DAAS, Guy SMAGGHE	New medicine to protect honey bees against Varroa mites
68	Hadjer MAMÏNE, Abdelkrim DJEBLÏ, Amel ALOUÏ, Hakima BOULEMCH, Hacene BENDJEFFAL	Chemometric approach based on Box-Behnken design to optimize phosphate ion removal from water using Coal coke as an environmentally friendly material
69	Hacene BENDJEFFAL, Hadjer MAMÏNE, Abdelkrim DJEBLÏ, Amel ALOUÏ, Hakima BOULEMCH	Removal of cadmium(II) from aqueous media using luffa fibers activated by a chelating agent: Optimization using a chemometric approach based on Box-Behnken design
80	FERCHICHI Loubna, CHOHRRA Djawhara, MELLOUK Karima	The antioxidant activity of two extract of the flowers of a fruit tree cydonia oblonga quince from eastern Algeria
82	Samia AMIRAT, Sabrina AMIRAT, Yassira BOUTALEB	Study of the effect of a natural additive 'Pistacia Lentiscus and brassica oleracea L on the electrocrystallisation of a Zn-Fe alloy
83	BLIZAK MERIEM Djanette, Saliha Boughrara, Saadia Ysba	Improved Photocatalytic Degradation of Methylene Blue Using Nickel Oxide Nanoparticles Synthesized via Pechini Sol-Gel Method
85	Karima Mellouk, Djawhara Chohra, Chaima Zerrad, Romaiassa Amamra, sourour Tliba, Loubna Ferchichi	Contribution to the phytochemical study of the endemic Algerian plant Anthemis secundiramea
87	Kheireddine BOUZID, Rim LAMARI, Nassereddine BELLIARDOUH, Corinne NOUVEAU	Effect of growth defect density on wear and corrosion performance of CrMoN Physical Vapor Deposition coating
91	Salah RAHMOUNI, Noureddine BOUKHENOUDA, Nihal NASRI	Study of porous silicon films infiltrated electrochemically by rare earth ions "Erbium"
97	Benayache SIHEM, Ladjama SABRINA, Labiod KOTBIA, Mebrek ALIMA, Tlili SAMIRA	Improvement of physical and mechanical properties of porcelain elaborated by raw materials
98	BOURENANE BOUHAFS.Naziha, Ayad Ahmed Sabri & Loucif wahida	Genotoxic impact of fungicides on population of mosquitofish Gambusia affinis
103	MANSOURI O., Chaker R., ABDENNOUR C	Effects of consumption of Olea europea leaf extract on certain physiological biomarkers and reproductive function in wistar rats exposed to cadmium
105	BENSOLTANE Samira, GUEMICHE Soundes, GHAMRI Amina, BENMERZOUQUA Dorsaf, MAZOUZI Safa, ADJABI Nesrine	Toxic Ingredients in Food Supplements Intended for Children: What Impact on Their Health and Behaviour?
107	Bouhidel Zineb, Pettineo Simone, Merbah Elkolli Meriem	Grafted carboxymethyl cellulose as functional matrixes for mucoadhesive properties
109	MALLEM LEILA, BOUABDALLAH NARIMENE, TAKTEK MOHAMED, CHOUABIA AMEL, ABDENNOUR CHERIF	Comparative study of the insecticide Imidacloprid and the aqueous extract of garlic on reproduction parameters in the male rat
111	Sifi Karima, Hanachi Sabah, Sifi Yamina, Ouldjaoui Ahmed, Zekri Salima, Fekraoui Aboubar Seddik, Karima Benembarek, Abadi Nordine	Interest of apolipoprotein E genotyping in Alzheimer's disease
112	Sifi K, Hanachi S, Dahmani I, Zekri S, Benmebarek K, Abadi N	Serum IgE levels in allergic asthma: a case-control study
113	Besnaci SANA, Bouacha MABROUKA, Babouri YAMINE, Boucid SALSABIL, Remdani NOUR-ELHOUDA, Bensoltane SAMIRA	Comparative study of the effect of two metal oxide nanoparticles 'NiO and MgO' on Helix aspersa: Histological and anti-oxidatif stress parameters
118	Boukabache L, Bendjelloul M, Benleghib N, Amrane CY, Boulacel A	Radio-anatomy of the arteries responsible for the irrigation of the tibial plateaus.
119	Benleghib N, Boukabache L, Bendjelloul M., Amrane CY, Afoutni A, Chekired R, Boulacel A	Enhancing Anatomy Education: The Impact of 3D Technology on Spatial Visualization Skills
129	Drifa BRINIS	Superparamagnetism in nanoparticles
133	MANSOURI Ouarda, CHAKER Ryma, ABDENNOUR Cherif	Phytochemical study of Olea europea and evaluation of its nephrotoxic preventive effect in wistar rats exposed to cadmium
138	Fatiha BENGHANEM	Synthesis of a Schiff base and corrosion inhibition performance for mild steel in the simulating concrete pore solution
139	BICHA Samia, BOUMARAF Habiba	The Emergence of Non-Invasive Methods in the Diagnosis of Hepatic Fibrosis in Children: A Prospective Study
148	Nadjah MELAIM, Ahmed MADANI	Electrochemical preparation and characterization of polyindole/CeO2
158	Ali Lahouel, Adel Saoudi, Sameh Athmani, Amel Sedik, Fouzi Gheraibia	Statistical Study on the Mechanical Behavior of API 5L X52 Steel Pipeline
167	Bicha S, Amrane C Y	Study on Enhanced Recovery after Colorectal Surgery: Feasibility and Implications on Postoperative Morbidity and Mortality in Colorectal Cancer Patients
180	Chikhi A, Riri R, Boudour I	Ulnar nerve conduction study in carpal tunnel syndrome
183	Fatma Zohra MELAIS, Dallel DERAGHAMIA, Mohamed Chems Eddine ANTOURI, Sacia KIRANE, Kamer DORBANI	Elaboration and characterization of sandcrete based on sand and fillers from demolition waste
184	Benkhemissa M, Bechir L, Dr. Bahloul K, Dr. Bencharef A, Pr Semra Z	Place of the Quantiferon test in the diagnosis of latent tuberculosis infection in candidates for immunosuppressive treatment
195	Chikhi A, Riri R, Boudour I, Bougrida M	The sural/radial amplitude ratio as a diagnosis tool in diabetic polyneuropathy
200	TOUÏL Nourhane, GUEZANE LAKOUD samia	Synthesis, in silico DFT, molecular docking study, ADMET prediction of diazenyl α -aminophosphonates derivatives as anticancer agent
210	Benbouali ASSIA	Valorization of Marine Waste: Innovative Medical Applications
223	W. Djerir, R. Halimi, T. Boutkedjirt, M. Ourak, A. Allag, A. Rezzoug and F. M. L. Rekbi	Behavior of the lateral longitudinal waves at aluminum sample edge
230	Zoulikha Talha, Rachida Hamacha, Cherifa Bachir, Frederic Villières, Abdelkader Bengueddach	Study of the hydrophobicity of Al-SBA-15 mesoporous materials
236	Besnaci SANA, Boussaha MAROUANE, Babouri YAMINE, Bensoltane SAMIRA	Dietary Supplements And The Extent Of Their Consumption By Athletes In The Wilaya Of Annaba
120	Aïcha Ziouche, Madjda Mokhtari, Ahmed Haddad, Naila Jebbari, Najoua Kemoun, Nabila Zoubiri, Safia Alleg	CORROSION, STRUCTURAL AND LUMINESCENT PROPERTIES OF Ni-AL2O3 THIN FILM ELABORATED BY SPRAY PYROLYSIS METHOD
9	Jelena Tanasić, Marija Kostić, Tamara Erceg, Ljiljana Tanasić, Ivan Ristić	Structural and Morphological evaluation of polyurethane hydrogels for agriculture application