





W-CAN 2021 Program: Wednesday (09:00-11:00), 24 Nov 2021

	 zoom link	OPENING CEREMONY	
Time (GMT+3)	Meeting ID: 966 6507 9164 Passcode: 416869		
09:00-11:00	GMT+3: 09:00-11:00		





W-CAN 2021 Program: Wednesday (11:00-11:40), 24 Nov 2021

		SESSION 1.1 (VROOM1)	
		Wed 11:00-11:40	
	CHAIRS: Prof. Hayrunnisa Nadaroglu		Assoc. Prof. M. Tolga YURTCAN
Time (GMT+3)	 zoom link		Meeting ID:923 3961 8500 Passcode: 871633
11:00-11:20	PLENARY SPEAKER: Kamaruzzaman Sopian, Malaysia Prospects of nanofluid utilization in solar energy technologies		
11:20-11:40	PLENARY SPEAKER: Saidur Rahman, UK Energy storage by emerging nanomaterials (MXene)		

All times are listed in Turkey Local Time (GMT+3).

You may reach a zoom session by clicking on the link or reading QR code, posted at session top.

W-CAN 2021 Program: Wednesday (13:30-14:50), 24 Nov 2021

 SESSION 1.2 (VROOM1)		 SESSION 1.2 (VROOM2)	
Nanoelectronic Systems Components & Devices CHAIR: Prof.Onder Metin		Nanofabrication, Nanoprocessing & Nanomanufacturing CHAIR: Prof. Saltuk Bugrahan Ceyhun	
Time (GMT+3)	 zoom link Meeting ID:912 0583 3718 Passcode:462056	Time (GMT+3)	 zoom link Meeting ID: 998 8193 4870 Passcode:586680
13:30-13:50	PLENARY SPEAKER: Suddhastawa Basu, India Energy on fingertips: Microfluidic water electrolyser for hydrogen and oxygen generation in tandem operation with microfluidic fuel cell	13:30-13:50	PLENARY SPEAKER: Denis Baranenko, Russia Nano- and micro-sized encapsulated complex food ingredients for functional nutrition
13:50-14:05	PLENARY SPEAKER: Hamed Niroumand, Iran Nanotechnology in geotechnical engineering	13:50-14:05	PLENARY SPEAKER: Fabian Kiessling, Germany Imaging with nanoprobos: Strengths and limitations
14:05-14:20	Hydrogen sensitivity of TiO ₂ gas sensor based on different firing temperatures for bottom interdigitated electrode Siti Amaniah Mohd Chachuli, Malaysia	14:05-14:20	Utilization of selenium nanoparticle technology as bioavailable supplement alternatives in animal nutrition Masoumeh Niazifar, Iran
14:20-14:35	Synthesis, characterization and electrochemical performance of ZnO coated on nanostructured copper foam for rechargeable Zn-Ni battery Taskin Camurcu, Turkey	14:20-14:35	Alternating magnetic field mediated heat inducible gene expression system Melek Acar, Turkey
14:35-14:50	The effect of oxygen pulsing duration on target poisoning for memristor applications Hasan Efeoglu, Turkey	14:35-14:50	Plant derived nanoparticles in livestock farming Moyosore Adegbeye, Nigeria

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W-CAN 2021 Program: Wednesday (15:00-17:00), 24 Nov 2021



 SESSION 1.3 (VROOM1)		 SESSION 1.3 (VROOM2)	
Nanomaterials, Their Applications & Characterization CHAIR: Prof. Emre Gur		Biomaterials & Nanobiotechnology CHAIR: Prof. Hasan Efeoglu	
Time (GMT+3)	 zoom link	Time (GMT+3)	 zoom link
	Meeting ID:947 0294 7588 Passcode:162989		Meeting ID:969 4127 1561 Passcode:090999
15:00-15:20	PLENARY SPEAKER: Luis Carlos, Portugal Measuring temperature at the nanoscale through light emission	15:00-15:20	PLENARY SPEAKER: Ali A. Ensafi, Iran The role of metal-organic frameworks in the fabrication of sensors & biosensors
15:20-15:40	PLENARY SPEAKER: Onder Metin, Turkey Catalytic applications of the nanocomposites of metal nanoparticles and non-metallic 2D semiconductors	15:20-15:40	PLENARY SPEAKER: Ali Olad, Iran Nanocomposite hydrogels; Promising materials for agricultural and biomedical applications
15:40-15:55	Growth and characterization of FeO thin films grown by spray pyrolysis method Demet Iskenderoglu, Turkey	15:40-16:00	PLENARY SPEAKER: Mustafa Culha, Turkey Engineered nanomaterials in nanomedicine and diagnosis
15:55-16:10	Investigating the effect of Nb/ Zr target voltage on mechanical properties TiBCN based films deposited by CFUBMS- HiPIMS Nuriye Aksakalli, Turkey	16:00-16:15	Nanoclays; Valuable mineral compounds in the medical and pharmaceutical industries Parisa Nami, Iran
16:10-16:25	Gold nanoparticle-decorated polystyrene hybrid nanosystems as SERS platform, and catalyst Mehmet Yilmaz, Turkey	16:15-16:30	Synthesis copper oxide nanoparticles by chemical reduction method and their toxicity evaluation in the rana macrocnemis (Anura: Ranidae) Ramin Mohammadi-Aloucheh, Iran
16:25-16:40	Electrochemical properties and solar cell assembly of highly efficient 4-ferrosenilfenoksi ftalonitril substituted Zn-phthalocyanines Soner Cakar, Turkey	16:30-16:45	The effects of different surfactant and organic solvent concentrations on famotidine nanosuspensions particle size and zeta potential Rukiye Sevinc Ozakar, Turkey
16:40-16:55	Role of ABA and CaO in <i>Triticum monococcum</i> callus gluten amounts decreased Ismail Bezirganoglu, Turkey	16:45-17:00	Synthesis of nanoclays-based drugs, progression of the pharmaceutical industry Shahriyar Karimdoust, Iran

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W-CAN 2021 Program: Wednesday (17:00-18:05), 24 Nov 2021

	
SESSION 1.4 (VROOM1)	
Nanotechnology for Green Energy & Environment Sciences CHAIR: Prof. Murat Alanyalioglu	
Time (GMT+3)	 zoom link
Meeting ID: 991 5433 9066 Passcode: 813932	
17:00-17:20	PLENARY SPEAKER: Peter Hoet, Belgium Toxicological relevance of nanoparticle agglomerates and aggregates: A step towards a toxicologically relevant definition of nanomaterial
17:20-17:35	Application of nanotechnology in biotechnology Shabnam Delir, Iran
17:35-17:50	Theoretical study of a new smart hybrid solar water heater with mini-hydro turbine Abderrahim Habchi, Morocco
17:50-18:05	Effect on heat transfer of Al ₂ O ₃ /water nanofluid in a trapezoidal channel with baffles Selma Akcay, Turkey

	
SESSION 1.4 (VROOM2)	
Nanomedicine, Toxicology, Drug Delivery Systems and Biopharmaceuticals CHAIR: Prof. Ozlem Baris	
Time (GMT+3)	 zoom link
Meeting ID: 960 8652 0275 Passcode: 662900	
17:00-17:20	PLENARY SPEAKER: Undurti N Das, USA Gamma-linolenic acid as a potential anti-cancer drug with specific reference to glioma
17:20-17:35	Fluorescent dye labeling influences uptake and biodistribution of polymeric drug carriers Sarah Schraven, Germany
17:35-17:50	Suggestion a magnetic nanoparticle-mediated cancer vaccine for immunotherapy Kubra Solak, Turkey
17:50-18:05	Development of multifunctional polymer nanocomposite scaffolds by 3D printing for biomedical applications Ilknur Kokcu, Turkey

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