

5th International Nanotechnology Workshop Program NW-5
(Face to face and Online)
“Novel Applications in Nanotechnology in Multidiscipline”

Saturday, January 15th, 2022

Organized by Physics Education Department, Education Faculty, Tishk International University Erbil-Iraq

Please note: 1. This program will be performed in hybrid format both Face-to-Face and Online
 2. Be informed that the ZOOM link was scheduled according to **Baghdad Time Zone**

ZOOM link: <https://zoom.us/j/96340143708?pwd=ek1uYUR2ZFhteURNaVJBZ0FiQVYrdz09>

9:30 - 10:00 AM	<ul style="list-style-type: none"> Registration
10:00 - 10:20 AM	<ul style="list-style-type: none"> Opening Ceremony and Welcoming Speech Promotional Video of TIU
1st SESSION	
Session Chair	Dr. Muhammad Hisham , <i>Tishk International University- Erbil</i>
10:20 - 10:50 AM	1 st Keynote speech: Asst. Prof. Dr. Ahmed Salih , <i>University of Sulaimani, College of Engineering and American University of Iraq, Sulaimani</i> Effects of the Nano-Silica Sand on the Sensing and Rheological Properties of the Hydraulic Fracturing Fluid
10:50 - 11:20 AM	2 nd Keynote speech: Asst. Prof. Dr. Azeez A. Barzinjy , <i>Salahaddin University-Erbil and Tishk International University-Erbil</i> Green Synthesis of Nanoparticles: Novel Applications in Harvesting Sunlight for Solar Thermal Generation
11:20 - 11:40 AM	Tea Break
2nd SESSION	
Session Chair	Mr. Sivar Aziz <i>Tishk International University- Erbil</i>
11:40 - 12:00 AM	3 rd Keynote speech: Asst. Prof. Dr. Samir Mustafa Hamad , <i>Soran Research Center, Soran University- Erbil</i> Effect of Growth Time on Morphology and Structure of ZnO Nanomaterials Using Biosynthesis Method
12:00 - 12:30 AM	4 th Keynote speech: Prof. Dr. Mohamed Henini , <i>School of Physics and Astronomy, University of Nottingham-UK</i> Development of Advanced Semiconductor Materials and Devices for Next Generation Photovoltaics: Opportunities and Challenges -ONLINE-
12:30 - 13:00 AM	5 th Keynote speech: Prof. Dr. Kamal Kolo , <i>Scientific Research Center - Soran University-Erbil</i> Enhanced Oil Recovery (EOR) Through Modification of Petrophysical Parameters in Reservoir Rocks using Nanotechnology - Lab versus Field Applications
13.00 - 13.40 AM Lunch Time	
13:40 - 14:15 AM	POSTER PRESENTATION
PANEL DISCUSSION: How to Direct Nanotechnology Research Path in Serving Community	
14:15 - 15:00 AM	Panel Moderator: Dr. Wala Gazey Dizayee <i>Salahaddin University- Erbil</i> Speakers: Dr. Amir Abdulrahman Ahmed, <i>Adviser of Scientific Research in MHE.</i> , Prof. Dr. Kamal Kolo, Asst. Prof. Dr. Samir Mustafa, Asst. Prof. Dr. Ahmed Salih
15:00 - 15:20 AM	Closing Ceremony and Certificate Delivery