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Under the privilege of the president of University of Duhok Ass. Prof. Dr. Dawood Atroshi and sponsored by PEER project the 1<sup>st</sup> nanotechnology workshop entitled

“Outcome of UoD PEER Project to Open the Door of Nanotechnology Field at the College of Science/University of Duhok”

Thursday, March 3<sup>rd</sup>, 2022

Organized by UoD PEER PROJECT, Chemistry Department with the Scientific Research Center College of Science, University of Duhok

8:30-9:00 AM	Registration
9:00-10:00 AM	<p><b>Opening Ceremony and welcoming speech by :</b></p> <ol style="list-style-type: none"> <li>1. The Director of Scientific Research Center</li> <li>2. The Dean College of Science</li> <li>3. Representatives of the Ministry of Higher Education and Scientific Research</li> <li>4. The PI. of UOD PEER project</li> </ol>

**1st Session**

10:00-10:20 AM	<p>1<sup>st</sup> Keynote speech: Prof. Dr. Kamal Y. Odisho, Scientific Research Center, Soran University</p> <p>“The Scientific Research Foundation: Dynamism And Driving Forces, A Case Study Of the SRC at Soran University”</p>
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10:20-10:40 AM	<p>2<sup>nd</sup> Keynote speech: Prof. Dr. Lazgin A. Jamil, Scientific Research Center University of Zakho</p> <p>“Nanoscience and Nanotechnology research at University of Zakho facilities and challenges”</p>
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10:40-11:00 AM	<p>3<sup>rd</sup> Keynote speech: Prof. Dr. Khalid M. Omer, Department of Chemistry, College of Science, Head of, University of Sulaimani</p> <p>“Fluorometric solution-based assay combined with smartphone-based visual detection of bilirubin using yellow emitting carbon Dots”</p>
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## Objectives:

– Giving an introduction to the Scientific Research Center/ College of Science and the outcome of the UOD PEER PROJECT since the project has started.

– Scientific exchanges and communications with many universities for future collaboration.

– Allowing posting graduate students working in the field of nanotechnology to develop their research and gain experience.

11:00-11:20 AM

4<sup>th</sup> Keynote speech: Prof. Dr. Samir M. Hamad Scientific Research Center, Soran University

"Effect of Growth Time on Morphology and Structure of ZnO Nanomaterials Using Biosynthesis Method"

11:20-11:40 AM

Tea Break

## 2nd Session

11:40-12:00 AM

5<sup>th</sup> Keynote speech: Asst. prof. Dr. Khedir R Khedir,

American University of Kurdistan  
"Nanotechnology and Surface Modification of Materials"

12:00-12:20 PM

6<sup>th</sup> Keynote speech: Dr. Hani K Ismail, Chemistry Department

Faculty of Science and Health, Koya University  
"Applications of conductive polymer nanocomposites for water purification and in electrochemical aspects"

12:20-12:40 PM

7<sup>th</sup> Keynote speech: Dr. Zirar M Taher, Erbil Polytechnic University / Rwandz Institute

"Synthesis and Characterization of Chitosan/Metal oxide Nanocomposites for Biomedical Applications"

12:40-1:00 PM

8<sup>th</sup> Keynote speech: MSc. Peshawa H. Mahmood, Chemistry Department, University of Raparin

"Applications of Density Functional Theory in Nanoscience"

1:00-1:20 PM

9<sup>th</sup> Keynote speech: Dr. Hazha Omer Othman, Chemistry Department, College of Science, Salahaddin University

"A carbon-based fluorescent prob(N-CDs)encapsulated in a zeolite Matriz (NaFZ) for ultrasensitive detection of Hg(II)in fish"

**Closing and Certificate Delivery Ceremony**