MDI RESEARCH & PUBLICATIONS

Professor Bashar Issa

Academic year 2018/2019

Submitted Papers:
1. Title: Synthesis of Graphene oxide-Fe3O4 based nanocomposites using the mechanochemical method and in vitro magnetic hyperthermia.
   Journal: Materials Science & Engineering C.
   Authors: Ihab M. Obaidat, Aleksandr S. Kamzin, Bashar Issa, Venkatesha Narayanaswamy, Shilpee Jain, Sachin Latiyan, Chandan Srivastava, Hemant Kumar.
   Submission date: April, 2019.
2. Title: Numerical simulation of transverse relaxation for magnetic perturbers under a mixture of all motional regimes: the distributed relaxation model.
   Journal: Magnetic Resonance Imaging.
   Authors: Bashar Issa, Kolja Them, Ihab M. Obaidat, Gary Liney, Yousef Haik.
   Submission date: February, 2019.

Book Chapter:

Paper Reviewer:
1. Journal of Physics D: Applied Physics – March 2019 "A standardisation protocol for accurate evaluation of specific loss power in magnetic hyperthermia" by Makridis, Antonios; Curto, Sergio; van Rhoon, Gerard; Samaras, Theodoros; Angelakeris, Makis
2. Nanotechnology – January 2019 “The future of magnetic hyperthermia for personalized medicine" by Cassani, Marco; Fernandes, Soraia; Silvestri, Niccolò
MSc Student Supervision:
University: United Arab Emirates University, College of Science, Department of Physics
Thesis Title: SIMULATION OF T₂ MRI RELAXATION ENHANCEMENT BY MAGNETIC NANOPARTICLES
Student Name: Yahia Adeeb Tawfiq Hamdan
Under the Supervision of Professor Bashar Afif Issa
Graduation Date: April 2019

MSc Student Examiner:
MSc Thesis submitted to NATIONAL INSTITUTE OF LASER ENHANCED SCIENCES (NILES), Cairo University, Cairo, Egypt
Thesis Title: "Modeling of ultrafast laser in inducing magnetic properties of nanoparticles"
Student Name: Khaled Ahmed Ali El-Said
Examiner: Professor Bashar Issa, University of Sharjah, Sharjah, UAE

Dr. Mohamed M Abdelfatah
Academic year 2018/2019

Publication; Scopus Journals


Publication:


Dr. Entesar Zawam Dalah  
Academic year 2018/2019

Journal Publications


**Conference Publications**


5. Walid Zgallai, Teye Brown, Asma Murada, Sara Ali, Amina Haji Khawla Khalil, Maryam Omran, Moez Al-Islam Faris, Abdulmunhem Obaideen, **Entesar Z. Dalah**. The application of deep learning to quantify SAT/VAT in human abdominal area. Advanced in Science and Engineering Technology Conference held in March 26 – 28, 2019 in Higher College of Technology Dubai, UAE. (Oral Presentation)

**Dr. Wiam Elshami**

**Academic year 2018/2019**

**Publication:**


Conferences:


3. Abuzaid, M., **Elshami, W.**, Z. Noorjan *(March 2019)* Brain CT with 64 and 16 slice CT scan comparison of image quality and radiation dose with standard protocols, ECR, 2019 - Oral presentation


5. U. Sani, N. Flaviours, A. Moi, C. Nzotta, J.Dlama, A, Yusuf, & **Elshami, W.** *(September 2018)* Pioneer Study on Acceptable Quality Dose(AQD) for mammography in a Nigeria Teaching Hospital, 5th African Regional Congress on International Radiation Protection Association, Tunisia