MDI RESEARCH & PUBLICATIONS

Professor Bashar Issa

Academic year 2019/2020

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. Huseyin Ozan Tekin
Academic year 2019/2020


**Dr. Mohamed M Abdelfatah**

**Academic year 2019/2020**

**Publication; Scopus Journals**


**Publication:**


**Dr. Wiam Elshami**

**Academic year 2019/2020**

**Publication:**


**Conferences:**


