Ass.prof.Dr: Waleed kamil abdulkadhim Al-madni

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Academic Qualifications

07/2019 - date PhD

Applied Physics Division, Applied Science Department, University of Technology, Baghdad ,Iraq Doctoral Thesis:

" Synthesis and Characterization of Fe_3O_4 and Fe_3O_4 Capped PEG Magnetic Nanoparticles and Study Its Medical Applications "

06/ 2011 – 6/2013 Master of Nanotechnology Department of Nanotechnology bamboo university, India Master's Thesis:

" Effect of Ag Doping on Grains Size and Optical Properties of Tio_2 Nanoparticles Synthesized by Sol-gel Method "

11/2003- 07/2007 Bachelor of Science (Department of physics) Wasit University, wasit , Iraq

-H-index (7)

-Exact specialization:

(Applied physics/ Nanotechnology)

Scholarships and Awards

12/2011:Nanotechnology: fundamentals and applications ; Vinayakrao by Dept. of physics ,V.P.COLLEGE, Vaijiapur.

2/2012:National workshop on nanotechnology and intellectual property rights and patents science and technology from nanotechnology perspectives. bamboo university, India

25-26/2/2012: Instrumental techniques in chemical sciences, by Indian Academy of Science-Banglore.

12/2022: development the skill computer by university wasit.

Professional Profile

1- Synthesis the Nanomaterials and applications them in some the fields like in medicine .

2-Working knowledge of Word, Excel, PowerPoint .

3- Use the UV-visible instrument

4- Use the all biological laboratory instruments.

5- Use the skill X-ray diffraction instrument.

6- Use the skill scanning electron microscope (SEM) diffraction instrument.

Employment History – General

((2009-2019 Iraqi Ministry of Education.

2019 - Ministry of Higher Education and Scientific Research – Iraq. Department of pathological analyzes ,college Science, University of Wasit)).

Publications

-Fe_3O_4 Nanoparticles Capped with PEG Induce Apoptosis in Breast Cancer AMJ13 Cells Via Mitochondrial Damage and Reduction of NF-κB Translocation

MS Jabir, UM Nayef, WK Abdulkadhim, ZJ Taqi, GM Sulaiman, UI Sahib, ...

Journal of Inorganic and Organometallic Polymers and Materials 31 (3), 1241-1259

-Polyethylene glycol-functionalized magnetic (Fe3O4) nanoparticles: A novel DNA-mediated antibacterial agent

MS Jabir, UM Nayef, WKA Kadhim

Nano Biomed. Eng 11 (1), 18-27

-Supermagnetic Fe3O4-PEG nanoparticles combined with NIR laser and alternating magnetic field as potent anti-cancer agent against human ovarian cancer cells

MS Jabir, UM Nayef, WK Abdulkadhim, GM Sulaiman

Materials Research Express 6 (11), 115412

-POLYETHYLENE GLYCOL-FUNCTIONALIZED MAGNETIC (Fe_3O_4) NANOPARTICLES: A GOOD METHOD FOR A SUCCESSFUL ANTIBACTERIAL …

WKA Kadhim, UM Nayef, MS Jabir

Surface Review and Letters 26 (10), 1950079

-Synthesis titanium dioxide nanoparticles doped with silver and Novel antibacterial activity

WK Abdulkadhim

Journal of Physics: Conference Series 1999 (1), 012033

-A study of kidney parameters in mice induces by super magnetic Fe3O4 nanoparticles capped with PEG

A Waleed, J Majid, N Uday

Research Journal of Biotechnology 14, 89-93

-A New DNA-Mediated Antibacterial Agent Magnetic (Fe3O4) Nanoparticles with Gold and Silver Functionalization

W Abdulkadhim

Wasit Journal for Pure sciences 1 (2), 248-259

-Preparation of Fe3O4-Au@ Fe3O4-Ag composite nanoparticles and cytotoxicity study of kidney parameters in mice

WK Abdulkadhim, MA Mohammed

Nanomedicine Research Journal 7 (3), 227-234

-Superparamagnetic Fe3O4 nanoparticles capped with silver induce apoptosis of colon cancer cells via damaging DNA@increasing ROS

AA Waleed K. Abdulkadhim a , Mahdi A. Mohammed b

Nano-Structures & Nano-Objects 39 (101256)

-Gold-capped Fe3O4 nanoparticles with a magnetic field by damaging their DNA and generating more oxygen radicals, colon cancer cells can be made to die

MAM Waleed K. Abdulkadhim , Ayad B. Sahi

Journal of Theoretical and Applied Physics (JTAP) 18 (AICIS’23), 1-8

-Synthesis of PEG-Cobalt nanoparticles and study of the Antibacterial activity by using alternating magnetic field on Escherichia coliand Staphylococcus aureus

MAAHSHR Waleed K. Abdulkadhim1

Journal of Physics 2974, 012020

-Magnetically enhanced $ZnFe_2O_4$ nanocomposite: a promising antibacterial, and antioxidant strategies

MA Mohammed, WK Abdulkadhim, KH Jawad, S Albukhaty, MS Jabir, ...

Journal of Sol-Gel Science and Technology 115 (3), 1557-1566

-Fe3O4/Au SUPERPARAMAGNETIC NANOPARTICLES COMBINED WITH NIR LASER AND ALTERNATING MAGNETIC FIELD FOR TREATMENT OF LIVER CANCER CELLS

MAMAWK Ali Jabbar Hashim*

JOURNAL OF OPTOELECTRONICS LASER 41 (7), 1055-1062

-Nanoparticles Capped with PEG Induce Apoptosis in Breast Cancer AMJ13 Cells Via Mitochondrial Damage and Reduction of NF-κB Translocation

MS Jabir, UM Nayef, WK Abdulkadhim, ZJ Taqi, GM Sulaiman, UI Sahib, ...

-Synthesis, characterization, and evaluation of antibacterial and antioxidant properties of (Ag–NiO) nanocomposite using alternating magnetic field technique

WK Abdulkadhim, A Alasadi, AGG AL Rubaye, S Albukhaty, UM Nayef, ...

The European Physical Journal Plus 140 (9), 1-10

-A novel method in Effects of Fe3O4-Ag nanoparticles on liver cancer cells by the used alternating magnetic field and NIR laser ablation

AJ Hashim, MA Mohammed, K AbdulkadhimW

NeuroQuantology 20 (10), 6165

Research evaluation

more than five research papers, including Scopus, with certificates of appreciation.

Supervising postgraduate students

Four students with specialization were supervised(Nanomedicine).

The scientific title:

Ass.prof. in (4/12/2022 of university wasit)

- Scientific conferences:

Participation in many international scientific conferences in the field (Nanomedicine).

Presentations

- " Nanotechnology and its applications in medicine)) by Dr. waleed kamil abdulkadhim , Department of pathological analyzes ,college Science, University of wasit.28-5-2020.

-" Syntheses of Nanotechnology)) by Dr. waleed kamil abdulkadhim , Department of pathological analyzes ,college Science, University of wasit.21-11-2021.

-(Use the Nanotechnology in medicine)) by Dr. waleed kamil abdulkadhim , Department of pathological analyzes ,college Science, University of wasit.24-4-2022.

Thank you books

I have more than fifteen letters of thanks and appreciation from official bodies.

Interests

The reading and writing and researching.

Thank you