

العنوان: كلية العلوم - مبنى 5 ، الدور الثالث ، مكتب رقم 332 ، قسم النبات والأحياء الدقيقة ، جامعة الملك سعود.

ص.ب. 24552 ، الرياض 11451 ، المملكة العربية السعودية.

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النواحي التعليمية:

1. دكتوراه (2005) في علم الفيروسات. عنوان الرسالة: "جسيمات شبيهة بالفيروس المؤتلف تشتمل على بروتينات هيكلية لفيروس التهاب الكبد (HCV) (HCV replicon RNA و) ، جامعة ليدز ، المملكة المتحدة.
2. ماجستير العلوم في علم الفطريات: "تأثير الإجهاد المائي على نمو الفطريات Ectomycorrhizal" ، جامعة الملك سعود ، المملكة العربية السعودية.
3. بكالوريوس العلوم: قسم النبات والتربية ، الأقسام العلمية ، كلية البنات ، المملكة العربية السعودية.
4. تقنيات النانو: التدريب والعمل البحثي ، جامعة ليستر ، المملكة المتحدة.

التاريخ الوظيفي EMPLOYMENT HISTORY

- الحاضر: أستاذ مشارك Associate Professor ، قسم النبات والأحياء الدقيقة ، جامعة الملك سعود ، المملكة العربية السعودية.
- أستاذ مساعد Assistant Professor ، قسم النبات والأحياء الدقيقة ، جامعة الملك سعود ، المملكة العربية السعودية.
- مدرس Lecturer بقسم النبات والأحياء الدقيقة ، جامعة الملك سعود ، المملكة العربية السعودية.
- معيد Demonstrator بقسم النبات والأحياء الدقيقة ، جامعة الملك سعود ، المملكة العربية السعودية.

عضوية اللجنة COMMITTEE MEMBERSHIPS

- أمين لجنة البحث العلمي
- أمين سر لجنة الدراسات العليا
- سكرتير لجنة اختيار طلاب الدراسات العليا بقسم النبات والأحياء الدقيقة
- عضو التقييم الأكاديمي والتأكد
- عضو لجنة الخطة الأكاديمية للأحياء الدقيقة
- عضو لجنة شؤون الخريجين والتوظيف
- عضو لجنة اختيار المعيدين بقسم النبات والأحياء الدقيقة

PUBLICATIONS المنشورات

BOOKS AND CHAPTERS الكتب والفصول

Najat Marraiki, 2019. 'Practical Petroleum Microbiology'. King Saud University, KSA.

Sameh S. Zaghloul, **Najat Marraiki**, Mark J. D. Goodfield, 'Chapter: Raynaud's Disease and Phenomenon' published in 'Treatment of Skin Disease: Comprehensive Therapeutic Strategies. Text with Internet Access Code for Expert Consult Website' by Mark G. Lebwohl, New York, USA, Mosby (USA), ISBN-13: 9780702031212, Series: Treatment of Skin Disease, Year: 2010, Third Edition.

Sameh S. Zaghloul, **Najat Marraiki**, Mark J. D. Goodfield, 'Chapter: Scleroderma' published in 'Treatment of Skin Disease: Comprehensive Therapeutic Strategies. Text with Internet Access Code for Expert Consult Website' by Mark G. Lebwohl, New York, USA, Mosby (USA), ISBN-13: 9780702031212, Series: Treatment of Skin Disease, Year: 2010, Third Edition.

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Mahmoud, E.Y., Zeinab N. Hussien, Abou Ghanima S. F. Shehata, **Najat Marraiki** and M. A. Kamhawy. Induction and Expression of Systemic Resistance to Downy Mildew Disease in Grapevine by Chitosan. (in press)

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Najat Marraiki and Asmaa Al-Shammari, 'Evaluating the Antiviral Activity of Some Medical Plant Extracts against TMV Infection in Tomato and Bell Pepper Plants', American Society of Microbiology, Annual General Meeting, 2013

Najat Marraiki, Rehab Al-Hajjar, Ekram Abdulmoty, 'A Comparative Study Investigating the Antimicrobial Activities of two different types of TiO₂ Nanoparticles against the Pathogenic Strain of Escherichia coli', Canadian Society of Microbiology Annual Conference, Vancouver, Canada, June 2012

Nagwa Aref, Nour Al-Houry and **Najat Marraiki**, 'The Interaction of Silver NanoParticles (Ag NPs) With Virus-Bacteriolytic Activity', The International Workshops on Advanced Materials (IWAM), Ras Al Khaimah, UAE, from February 20-22, 2011

PENDING PhD AND MSc SUPERVISIONS إشراف الماجستير تحت الإنتظار

- 2021.' Evaluating the efficacy of bacteriophages in resisting respiratory tract infections bacteria'. Najat Marraiki.
- 2021: The Effect of Powder and Liquid Bacteriophage Formulations against some Bacteria Isolated from Sewage Water – Riyadh.
- 2022; Molecular genotyping and gene profiling associated with the immunopathology of noncervical HPV-related cancers. Najat Marraiki.
- 2022; The efficacy of bacteriophages isolated from sewage water against bacterial biofilm from soft tissue infection. Najat Marraiki.
- 2023; The inhibitory effect of red sea brown algae against tobacco mosaic virus (TMV). Najat Marraiki.

COMPLETED PhD SUPERVISIONS إشراف الدكتوراه المكتمل

- 2019. 'Biosynthesis of Silver Nanoparticles using Plant Extracts and their Phytochemical Activity against Selected Human Pathogenic Bacteria Analysed using Next Generation Sequencing Technologies'.
- 2024. Molecular Genotyping and Gene Profiling Associated with The Immunopathology of Non-Cervical HPV-Related Cancers , Najat Marraiki.

COMPLETED MSc SUPERVISIONS إشراف ماجستير المكتمل

- 2020 - 'Evaluation of crude oil biodegradation using fungi isolated from oil-spilled soils in the Kingdom of Saudi Arabia – Riyadh'. Fatmah Alotibi and Najat Marraiki.
- 2016. 'Effect of Rhizobium Strains Isolated from Various Legume Plants on the Formation of Nodules Under Medicinal Plant Extract and Nanoparticles'. Najat Marraiki
- 2010. – 'The Effect of Biological Diversity of Different Host Plants on the Resistance of Cucurabita pepo viruses. Nagwa Mohammad Aref and Najat Marraiki.

- 2015. 'Evaluation of the degree of response of the Hepatitis B disease patients to treatment in relation to their different genotypes in the Kingdom of Saudi Arabia'. (Main Supervisor) Najat Marraiki.
- 2014. 'Evaluating the efficiency of bacteriophages in the eradication of bacterial contaminated sea food'. (Main Supervisor) Najat Marraiki and Nagwa Mohammad Aref.
- 2013. 'The control of viral infection in some cereal crops using the environmentally friendly gold Nano Particles (GNPs)'. Nagwa Mohammad Aref and Najat Marraiki
- 2013 – 'Comparing the efficiency of TiO₂ Nanoparticles and bacteriophages in the purification of contaminated water evaluated by molecular markers'. Najat Marriki
- 2012 – 'The Effect of Microbial Contamination Induced during the Preservation of Ova via Vitrification (Open System)' – Najat Marraiki.
- 2012 – 'Evaluating the Efficiency of Some Medical Plant Extracts (*Lamiaceae*, *Artemisia*) on the Viral Inhibition of Solanaceae' – Najat Marraiki.
- 2010- 'The sue of antibacterial lytic phages as natural additive in food industrial biotechnology. Nagwa Mohammad Aref and Najat Marraiki.

COMPLETED PhD EXAMINATIONS امتحانات الدكتوراه المكتملة

- 2023. SARS-CoV2 infection and high risk of thrombosis: association between virus mutations, anticoagulation abnormalities, and Heparin induced thrombocytopenia (HIT).
- 2021. Improvement of enteric viruses' surveillance via metagenomics application to control water quality and public health issues.

COMPLETED MSc EXAMINATIONS امتحانات الماجستير المكتملة

- 2022. Genetic Diversity and Evolutionary Kinetics of Non-H1N1 Influenza A Virus Subtypes Circulating in Riyadh Province.
- 2021. Molecular detection and spike gene characterization of Middle East Respiratory Syndrome MERS CoV and Dromedary camel Coronavirus DcCoV UAE HKU23 from dromedaries in Riyadh.
- 2020, 'Association between High-Risk Human Papillomaviruses (HPVs) and *Chlamydia Trachomatis* Co- Infection in Cervical Dysplasia.
- 2015. 'Antifungal Susceptibility of Clinical Candida species isolates, Saudi Arabia'.
- 2015. 'Prevalence of community – acquired methicillin – resistant Staphylococcus aureus (CA-MRSA) infection and association with Pantone-Valentine Leukocidin (PVL) genes in children of outpatient clinics and emergency in Riyadh region, Kingdom of Saudi Arabia'.
- 2014. 'Modulation of Ochratoxins A-Induced Genotoxicity in Phaseolus vulgaris L., by Multi-walled Carbon Nanotubes'.
- 2014. 'Effect of silver and gold nanoparticles on germination and growth of some crop and wild plants'.
- 2013. 'Biosynthesis and characterization of Silver nanoparticles by using fungi and their applications'.

- 2012. 'Morphological and Molecular Cytogenetic Studies on son Angiosperms Threatened species in Saudi Arabia'.

Improvement of enteric viruses' surveillance via metagenomics application to control water quality and public health issues

المشاركات PARTICIPATIONS

- Member of the Panel of Judges in the National Olympiad for Scientific Creativity (Mawhiba), Saudi Arabia, Riyadh, since 2010.
- Member of the Panel of Judges in the National Olympiad for Scientific Creativity (Mawhiba), Saudi Arabia, Hail, since 2010.
- Participated in the Workshop on Analysis of Strength, Weakness Factors, Available Opportunities and threats to King Saud University on 15/3/2008.
- Participated in the activities of the 1st Child culture Festival, Ministry of Culture & Information, King Abdulaziz Public Library from 3-8 May 2008.

المقررات التدريسية في جامعة الملك سعود

TEACHING COURSES AT KING SAUD UNIVERSITY

بكالوريوس Bachelor	ماجستير Master	دكتوراة PhD
Module 211	Module 511	Module 611
Module 230	Module 561	Module 612
Module 250	Module 566	Module 692
Module 330	Module 591	Module 651
Module 335	Module 600	Module 662
Module 345		Module 700
Module 450		
Module 461		
Module 466		
Module 488		
Module 492		
Module 493		
Module 498		
Module 499		

المقررات التدريسية خارج جامعة الملك سعود

علم الفيروسات المتقدم جامعة حائل بالتعاون مع جامعة الملك سعود

SPEAKER INVITATIONS دعوات المتحدث

- ‘Antibacterial Nano-Metals’, King Abdullah Institute for Nanotechnology, 10.8.2017
- ‘Antibacterial Nano-Metals’, King Abdullah Institute for Nanotechnology, 18.7.2016
- ‘Antibacterial Nano-Metals’, King Abdullah Institute for Nanotechnology, 18.7.2015
- ‘Antibacterial Nano-Metals’, King Abdullah Institute for Nanotechnology, 28.01.2013
- ‘Antibacterial Nano-Metals’, King Abdullah Institute for Nanotechnology, 18.11.2012