

Curriculum vita



Name and surname : Amal Khudair Khalaf

Nationality :Iraq

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Language : Arabic , English.

Education certificates :

- **Professor of parasitology since 2019-2020**
- **Assistant professor of parasitology from 2015 to 2019**
- **Lecturer of parasitology from 2012 to 2015**
- **PhD. \Biology \ Parasitology \ University of Basrah /Iraq 2012**
- **M.Sc.\Biology\ Parasitology \ University of Basrah /Iraq 2008**
- **B.Sc. \Biology \ University of Basrah \ Iraq \ 2001**

Research interest :

Molecular biology, Parasitology, Helminthology, protozoology, cancer research , nanotechnology, and pharmaceutical , green chemistry and secondary metabolites.

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Amal Khudair Khalaf - Google Scholar

WORK EXPERIENCE From 2003-2005

Assistance lab at microbiology department in Ministry of higher education and scientific research / college of medicine /university of Thi-Qar.

From 2009-2012

Ministry of higher education and scientific research-

University of ThiQar –College of Medicine-department of microbiology/Assistance lecturer .

From 2012-2019

-Lecturer for the undergraduate course of medical parasitology in University of ThiQar –College of Medicine-department of microbiology.

- -Lecturer for the postgraduate(Iraqi and Arabic Board)of dermatology course of medical parasitology in University of ThiQar – College of Medicine-department of microbiology.

--Lecturer for the postgraduate (M.Sc.)course of medical parasitology in University of ThiQar – College of Medicine-department of microbiology.

--Lecturer for the undergraduate course of medical parasitology in University of ThiQar –College of pharmacy /department of microbiology and - Lecturer for the undergraduate course of medical parasitology in department of Medical lab technique at Mazaya private college /Thi-Qar-Iraq.

-head of cancer research unite /college of medicine /university of Thi-Qar from 2016-2018.

-head of medical labs in college of medicine /university of Thi-Qar from 2014-2018.

- head of microbiology department / college of medicine / university of Thi-Qar. from 2020 till now

Technical skills:

-Good knowledge of Windows Me, NT, 2000, XP, Vista,7.

- Good knowledge of Office software.
- Basic knowledge of programming with Photoshop and Visual Basic.

Other academic activities and conference

- The workshop on DNA technology Polymerase chain reaction in medicine, 8th -12th of May 2017 University of Basrah- College of science /basrah /Iraq
- The 4th international medical conference of Thi qar medical college, 10- 11Nov. 2014, thi qar , Iraq.
- The 4th international medical conference of Thi qar science college , 29-30 April. 2019, thi qar , Iraq.
- The 4th international Vet. medical conference of Basrah vet. college , 16-17November. 2016 ,Basrah, Iraq.
- The 6th international Vet. medical conference of Basrah vet. college , 16-17November. 2018 ,Basrah, Iraq.
- The 4th international Vet. medical conference of Karbala vet. college , 16-17April. 2018 ,Karbala , Iraq.
- The 1st international medical conference of Karbala medical college , 10-11November,Karbala, Iraq.
- The 1st international Technical medical conference of southern technical university 20-21 march2016 ,Basrah, Iraq.
- The 2nd international Technical medical conference of southern technical university 20-21 march2017 ,Basrah, Iraq.
- Workshop in plagiarism 2017, Karbala university ,Iraq .

- Workshop in flow cytometry ,Basrah university ,Iraq.
- Workshop in water safety and monitoring by UNIB organization ,Thi-Qar, Iraq.
- Workshop in scientific research arrangement and analyzing by Shirad English Centre /UK.
- Workshop in immunohistochemistry ,Basrah university ,Iraq.
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Published scientific research and paper :

- 1-Use TVK 3/7 gene as a target to detect *Trichomonas vaginalis* from urine of women in Southern Iraq
- 2- Use PCR technique to detect *Trichomonas vaginalis* among men in Basrah province
- 3- In vitro activity of alkaloids extracted from Chlorophyta and Cyanophyta against the hydatid disease compared with albendazole
- 4- Antiprotoscolices activity of Nonadecoic acid ; Phthalic acid, diflorophenyl undecyl ster and 1,2- Benzendicarboxylic acid , bis (2- ethylhexyl)ester extracted from *Cladophora crispata* and *Hapalosihon aureus* compared with albendazole
- 5- Effects of Hydatid cyst infection on some biochemical and haematological parameters in experimental mice Balb\c strain
- 6- Detection of *Trichomonas vaginalis* among women with abnormal vaginal discharge by PCR technique targeting the sequence TVK3 (5' ATTGTCGAACATTGGTCTTACCCTC 3') and for TVK7 (5' TCTGTGCCGTCTTCAAGTATGC 3') in Basrah province .
- 7- Zinc toxicity associated with hydatid cyst infection among patients in Nasseriyah city \ Thiqr province , south Iraq Detection of some trace elements in hydatid cyst fluid of –
- 8 experimentally infected albino mice (Balb\C strain) by atomic .absorption spectroscopy
- 9- In vitro activity of (2- deca - 3,d- dienyloxy) carbonyl benzeoic acid extracted from *Cladophora crispata* against the protoscolices of hydatid cyst compared with albendazole activity.
- 10- Cardiac hydatidosis : A rare infection of the heart with hydatid cyst of *Echinococcus granulosus* can produced anaemia .
- 11-Study the association between the infection with *Trichomonas vaginalis* and use of contraceptive among women with abnormal vaginal discharge by PCR technique in Nassiriyah city .
- 12- Antiparasitic activity of the microalgae *Cladophora crispata* against the Protoscolices of hydatid cysts compared with alben- dazole drug
- 13- Evaluation of pathological change of hydatid cyst on kidney of experimentally infected mice.

- 14- In vitro Antiparasitic activity of Triazolo[1,5-a] pyrimidine carboxylic acid extracted from cyanophyton Hapalosiphon welweschii against Trichomonas vaginalis .
- 15- Antiparasitic activity of microalgae Hapalosiphon aurius extract against the protoscolices of hydatid cyst compared albendazole drug.
- 16- In vitro and In vivo activity of (2- deca - 3,d- dienyloxy) carbonyl benzoic acid extracted from Cladophora crispata against the splenic hydatid cyst.
- 17- In vitro Antiparasitic activity of Triazolo[1,5-a] pyrimidine carboxylic acid extracted from cyanophyton Hapalosiphon welweschii against Trichomonas vaginalis .
- 18- Detection of trace elements in the hydatid cyst fluid removed from patients with hydatidosis in Nassirriyah city by atomic absorption spectroscopy .
- 19- Use PCR technique to detect the infection with Trichomonas vaginalis among women with preterm labor.
- 20- In vitro and In vivo activity of (2- deca - 3,d- dienyloxy) carbonyl benzoic acid extracted from microalgae Hapalosiphon welweschii against the hydatid cyst . .
- 21- Levels of trace elements in hydatid cyst fluid : Analytical study -
- 22- Epidemiological , hematological and histopathological study for cutaneous leishmaniasis in Nassirriyah city \ Thiqr- Province
23. Study the prevalence and histopathological changes of cutaneous leishmaniasis in Nassirriyah city \ Thiqr- Province .
24. In vitro activity of Triazolo[1,5-a] pyrimidine carboxylic acid extracted from microalgae Hapalosiphon welweschii against the protoscolices of hydatid cyst
25. Efficacy and safety of Curcuma longa essential oil to inactivate hydatid cyst protoscoleces.
26. Prevalence and associated risk factors of intestinal helminthic infections in children from Lorestan province, Western Iran.
27. Testing the activity of Alkaloids extracted from Clorella vulgaris on the viability of Trichomonas vaginalis In vitro.
28. In Vitro and Ex Vivo Evaluation of Capparis Spinosa Extract to Inactivate Protoscoleces During Hydatid cyst Surgery.
29. Article
30. Therapeutic Potential of Green Synthesized Copper Nanoparticles Alone or Combined with Meglumine Antimoniate (Glucantime®) in Cutaneous Leishmaniasis.

31. The Potential Use of Nitazoxanide in the Treatment of Cutaneous Leishmaniasis: In-Vitro Assays Against *Leishmania Tropica*.
32. Morphological characterization of *Moniliformis moniliformis* isolated from an Iraqi patient.
33. Copper nanoparticles: Biosynthesis, characterization, and protoscolicidal effects alone and combined with albendazole against hydatid cyst protoscoleces.
34. Fe₃O₄@piroctone olamine magnetic nanoparticles: Synthesize and therapeutic potential in cutaneous leishmaniasis.
35. Chitosan-Based Nanomaterials as Valuable Sources of AntiLeishmanial Agents: A Systematic Review
- 36- Antileishmanial, cellular mechanisms, and cytotoxic effects of green synthesized zinc nanoparticles alone and in combined with glucantime against *Leishmania major* infection.
- 37- Immune-enhancing activity of *Astragalus maximus* extract for inhibiting the *Toxoplasma gondii* infection: experimental research
- 38- Antiparasitic Effects and Cellular Mechanisms of Formononetin (a Natural Isoflavone) Against Hydatid Cyst Protoscoleces
- 39- Promising effects of formononetin, a natural isoflavone derived from herbs, against *Toxoplasma gondii*
- 40- Serological Detection for Toxoplasmosis among Patients with Covid-19 in Thi-Qar Province
- 41-** Synthesis, characterization, and antiparasitic effects of zinc oxide nanoparticles-eugenol nanosuspension against *Toxoplasma gondii* infection
- 42- Leishmanicidal and immunomodulatory activities of the formononetin (a natural isoflavone) against *Leishmania tropica*.
- 43- Molecular Epidemiology and Associated Risk Factors of Parasites in Oral Cavity of Children with Malignancies in Western Iran
- 44-** Nanoparticles as potent agents for treatment of *Schistosoma* Infections: A Systematic Review
- 45- Comparative analytical study between parent and daughter hydatid cysts fluids Isolated from sheep in Iraq
- 46- Sero-prevalence of *Toxoplasma gondii* among Diabetic patients in Thi-Qar province/ South of Iraq.
- 47- Estimation the Level of Interferon Gamma for Diabetic Patients Infected with Toxoplasmosis in Thi-Qar Province / Southern Iraq.
- 48- Serological detection for *Entamoeba histolytica* among cancer patients suffering from diarrhea in Thi-Qar province/ Southern Iraq.

49- Antiparasitic activity of *Astragalus brachycalyx* subsp. *brachycalyx* extract against hydatid cyst protoscoleces and its effect on induction of apoptosis: an in vitro and ex vivo study.

50- MOLECULAR DIVERSITY FOR *ENTAMOEB*A HISTOLYTICA VIRULENCE FACTOR GENES ISOLATED FROM PATIENTS WITH AMOEBIC DYSENTERY.

51- High prevalence of *Cryptosporidium* infection in Iranian patients suffering from colorectal cancer.

52- Effects of green synthesized zinc nanoparticles alone and along with albendazole against hydatid cyst protoscoleces.

53- CHEMICAL STUDY FOR HYDATID CYST OF LUNG ISOLATED FROM PATIENT WITH HYDATIDOSIS.

54- Chemical composition, antileishmanial, and cytotoxic effects *Ferula macrecolea* essential oil against *Leishmania tropica*.

55- Biochemical study for Amoebic dysentery in patients with *Entamoeba histolytica* in Thi-Qar province/southern Iraq.

56- Antiparasitic Effects and Cellular Mechanism of *Astragalus maximus* Chloroform Extract Against Clinical Isolates of *Giardia lamblia*.

57- Detection of *Cryptosporidium Parvum* among Cancer Patients by Serological Method in Thi-Qar Province / Southern Iraq.

58- Immunological study for some parasitic infection among patients with cancer in Thi-Qar province.

59- *Toxoplasma Gondii* Related Programmed Cell Death (Pd1 and Pd-L1) in Patients with Diabetes Mellitus.

60- Molecular Study for the Virulence Factor of *Entamoeba* spp by Gene Sequence Technique.

61- The effect of infection with *Toxoplasma gondii* in inducing interferon-gamma in breast cancer patients.

62- prevalence , socioeconomic, and associated risk factors of oral cavity parasites in children with intellectual disability from lorestan province , iran .

63- detection of other microbial infections among COVID -19 patient in thi-qar province/ southern Iraq.

64- distribution of some intestinal protozoa in Iraq.

65-etc google scholar

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