

CV

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Education and Qualifications

- BA in biology from Faculty of Science / University of of Al-Qadisiyah.
- Master in Botany from Faculty of Science/ University of Al-Qadisiyah ,Iraq.
- PhD in Plant physiology.

Articles I studied

plant physiology, Medicinal plants, Molecular biology, Plant Anatomy , Plant Taxonomy, growth and development plant .

Research and published articles

- 1- Effect of Spraying With Seaweed Extract and amixture of Amino Acids in Physiological and Anatomical Characters of Two Sweet Pepper (*Capsicum annuum* L.) Cultivars
- 2- Effect of the Interaction of Folier Fertilizer with Gibberellin or Nephthalin Acetic Acid in Some Physiological and Anatomical Characteristics of *Anethum graveolens* L.
- 3- DNA Molecular Characterization of Sweet Pepper cv. Flavio as Affected by Seaweed Extract and Amino Acids
- 4- Effect of humic acid and blue-green algae in growth ,yield and medicinal constituents of *Coriandrum sativum* L.
- 5- Effect of Foliar Fertilizer and Some Growth Regulators onVegetative and Anatomical Characters of Dill (*Anethum graveolens* L.)
- 6- Effect of Foliar Application of Seaweed Extract and Amino Acids on Some Vegetative and Anatomical Characters of Two Sweet Pepper (*Capsicum Annuum* L.) Cultivars
- 7- Effect of nanocarbon and yeast suspension on some vegetative growth and yield characters of Vinga unguiculatal under salt water stress
- 8- The effect of terpenoid isolation from some plant against *Aphis gossypii* (Hemiptera: Aphidoidae)
- 9- Nanotechnology and biological application
- 10- Biotechnology of absorption and remove of heavy metals by microorganism and plant

- 11- The Effect of Spraying Seaweed Extract and Amino Acids on Some Floral and Fruit Characters of Two Species of Sweet Pepper (*Capsicum annuum* L.) Under Plastic Houses Conditions
- 12- Effect of heavy metal stress on growth characters and enzymes activity in Zea mays L. plant.
- 13- Biotechnology and Stress Tolerance.
- 14- Effect of Abscissic acid spraying and the addition of polymers to the soil in resistance of *Abelmoschus esculentus* to drought.
- 15- Effect of Spraying with Seaweed Extract and Amino Acids on Some Physiological Characters of Sweet Pepper *Capsicum annuum* L. Under Plastic Houses Conditions
- 16- DNA molecular characterization of sweet pepper (*Capsicum annuum* L. cv. Flavio) affected by seaweed extract and amino acids .
- 17- Effect of nano-fertilizer on growth , yield seed and essential oil content of plant *Nigella sativa* L.
- 18- Effect of *Ascophyllum nodosum* extract and size of the seeds in germination and growth of seeds *Phaseolus vulgaris* L.
- 19- Effect of *spirulina* on vegetative growth characteristics and mineral content of anise plant *Pimpinella anisum* L.

Supervisor

1. Effect of Spirulina in growth characteristics and volatile oil efficacy of *Pimpinella anisum* L. against some of pathological bacteria isolations
2. Study of the effect of spraying with phosphorous fertilizer and licorice extract on vegetative growth characteristics of the carnation plant *Dianthus caryophyllus* L.
3. The effect of temperature difference and Gibberellin acid in breaking the dormancy of *Acacia* seeds.
4. Effects of some sea algae extract on germination and growth of fenugreek seedling plant under salinity stress.
5. Effect of spraying with foliar fertilizer and bread yeast suspension on the growth characteristics of *Monarda piperita* L.
6. Study of the effect of foliar feeding on growth characteristics and oil production in plants *Apium graveolens* L. and *Coriandrum sativum* L.

Reviewer

1. Effect of Biofertilizers on Vegetative Growth and Flower Yield of African Marigold (*Tagetes erecta* L.) cv Pusa Narangi Gaiinda
2. Using RAPD-PCR Markers to Detect the Genetic Relationship for a Number of *Bellevalia Lapeyr* and *Ornithogalum* L. Species Developing In Central and Northern Iraq
3. Effect of nano and biofertilizer on production of active ingredient of *Solidago canadensis* L.
4. Effect of optimum plus nanoparticles and spraying time on growth and yield of roselle (*Hibiscus sobdariffa* L.)
5. Applying Some Indices for Soil Pollution Assessment in Northern Industrial Area from Erbil Governorate
6. Traditional Medicinal plants Used for the Treatment of Cancer in Mubi, Adamawa State, Nigeria
7. Therapeutic plants used for Typhoid Fever treatment in Kaduna State Nigeria

8. Effect of Biofertilizers on Vegetative Growth and Flower Yield of African Marigold (*Tagetes erecta* L.) c.v Pusa Narangi Gaiinda.
9. Diagnosing the bioactive compounds in Iraqi garlic by GC-MS and HPLC
10. Influence of foliar application of some nano- fertilizers in growth and yield of potato under drip irrigation.
11. The reality of extension services provided for wheat crop farmers in zammar region –Ninevh governorate –Iraq.
12. Economic analysis for the most important obstacles to the production of orange crop in Diyala- astudy for the season of 2018

Work Experience

DNA Molecular analysis of plants after the addition of nano compounds. Extraction and testing of medically effective compounds from plants and Tested in the treatment of diseases. Preparation of anatomical sections of plant parts .

Establishment of a course on irrigation management for agricultural crops and workshops on preparation of plant extracts and separation of medically effective compounds and scientific symposium on the use of modern techniques in reducing water consumption of plants.

It has also participated in the number of international scientific conferences