

Curriculum vitae (CV)

Professor Dr. Amjad Abdul-Hadi Mohammed

Region and date of birth: Mosul, Iraq... 1/1/1980

Nationality: Iraqi

Marital Status: Married

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Academic qualifications:

- **Bachelors** of Biology sciences (2002) from Department of Biology/ College of Science / Mosul University / Iraq.
- **MSc.** in Botany / Plant Tissue Culture (2005) from Department of Biology/ College of Science / Mosul University / Iraq.
- **Thesis title:** Role some standard growth regulators with sulfanilamide in stem callus initiation of (almond) *Prunus amygdalus* Batsch. and cell suspensions.
- **Ph.D.** in Botany / Biotechnology and Genetic transformation (2013) from Department of Biology/ College of Science / Mosul University / Iraq.
- **Thesis title:** Conservation of *rol-genes* in carrot (*Daucus carota* L.) Plants Regenerated From its Transformed Tissues by *Agrobacterium rhizogenes* R1601

Academic experiences:

- **First: (Bachelors)**
- * **Assistant instructor** in the Department of Biology / College of Science / University of Mosul for the period from 01/29/2006 - 7/10/2009, he contributed in teaching topics of plant physiology, Biotechnology, Allelopathy.
- * **Lecture** in the same department for the period from 10/8/2009 until 6/11/2017, teaching the same subjects.

* **Assistant Professor** in the same department from the date of 7/11/2017 until now, and contributed to the teaching of plant physiology, cell biology, Biotechnology

Second: (MSc.)

* **Assistant Professor** in the same department from the date of 7/11/2017, so far, he has contributed to the teaching of secondary metabolism, plant tissue culture and Biotechnology, Advanced plant physiology.

Research published:

- 1- Influence of interaction between growth regulators and sulfanilamide in formation of stem callus and cellular suspensions in almond plants.
- 2- The effect of different concentrations of ammonium nitrate and potassium nitrate on the growth and differentiation of lettuce calcium (*Lactuca sativa* L. and its protein content).
- 3- Isolation, identification and partial purification of dihydrofolate synthetase from hypocotyl stems callus of lettuce plant (*Lactuca sativa* L.).
- 4- Effect of Different Concentrations of Ammonium Nitrate and Potassium Nitrate in Growth and Differentiation of Lettuce Plant (*Lactuca sativa* L.) and Protein content.
- 5- Effect of Different Concentrations of Ammonium Nitrate and Potassium Nitrate in Growth and Differentiation of Lettuce Plant (*Lactuca sativa* L.) and Protein content.
- 6- Determination of β -carotene in Carrot (*Daucus carota* L.) Plants Regenerated from Stems Callus.
- 7- Transfer of pRi T-DNA genes of *Agrobacterium rhizogenes* R1601 via direct microinjection and co_cultivation to carrot, *Daucus carota* l. tissue and production of transformed hairy root cultures.
- 8- Efficient Regeneration of Carrot (*Daucus carota* L.) plants from cell suspension derived-callus.
- 9- A Novel Step To Transfer Transgenic Callus Primordia of Carrot, Embedded in Agar Droplets.

- 10- Detection of *rol B* and *rol C* Genes in Callus Tissues Derived from Co-cultivation of Carrot (*Daucus carota* L.) Cell Suspension With pRi .
- 11- Role of Zinc Oxide (ZnO) Nanoparticles in Germination and Growth of Chickpea (*Cicer arietinum* L.) Plant Seedlings Under Water Stress Effect.
- 12-Genetic transformation of *Nigella sativa* L. plants with *Agrobacterium rhizogenes* 35s gus r1000 and estimation of Thymoquinone level in transformed hairy roots cultures .
- 13-Regeneration of White Lupin, *Lupinus albus*, Plants form hypocotyl Stems
- 14-Regenerated of Broccoli (*Brassica oleracea* var. italica) Plants from Differentiation of the Hypocotyl Stems Callus of its Seedlings
- 15- Uptake of Copper Oxide Nanoparticles by Different Tissues of Fenugreek (*Trigonella foenum-graecum* L.) Plant
- 16- Efficiency the hairy roots of radish (*Raphanus sativus*) plant which genetic transformed by *Agrobacterium rhizogenes* ATCC15834 for anthocyanin production
- 17- The role of hairy roots as a biological agent in phytoremediation
- 18- *Microbacterium* sp. AJ-Z. isolated from the root nodules of fenugreek (*Trigonella foenum-graecum*)

Books : The Genetically Modified Carrot Production Protocol

Research Reviewer: 15

Supervising bachelors and MSc.: 12

Patents : 1((New Method For Genetic Transformation of Carrot, *Daucus carota* L. Plants via *Agrobacterium rhizogenes* R1601))

Scientific evaluation of theses: 3

- ✓ **Member** of the **editorial board** of the **Al-Rafidain Science journal** since 5/15/2008 until now and **responsible** for the **plagiarism** program.

- ✓ **Member of the editorial board of the Journal of Plant Sciences (JPS).**
- ✓ **Reviewer in International Journal of Microbiology and Biotechnology (IJMB).**

Conferences: 10

Scientific seminars: 12

Workshops: 10

Thanks books:

- **Minister of Higher Education and Scientific Research / Iraq: 5**
- **President of University of Mosul: 6**
- **Dean of the College : 20**