#### <u>C.V</u>



Name: Ahmed Salman Wasfi

**Date of Birth:** 24/12/1957

**Religion:** Muslim

Martial statues: Married

No. of children: Three

**Specialization:** Laser and Optoelectronics

**Position:** Lecturer

Scientific Degree: Assistant Professor

**Work Address:** Physics Dept. / College of Science

**Work Phone:** 

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#### **Scientific Certification:**

Degree science	University	College	Date
B.Sc.	Al Mustansiryah	Science	1979
M.Sc.	Baghdad	Science	1983
Ph.D.	Baghdad	Science	2003

# **Career**:

No.	Career	Workplace	From -To
1	Scientific researcher	Industrial Sector	1983-1990
2	Senior Scientific researcher	Industrial Sector	1990-2003
3	Senior Scientific researcher	Industrial Sector	2003-2006
4	Lecturer	University of Baghdad/ College of Science	2006-2009
5	Assistant Professor	University of Baghdad/ College of Science	2009-2016

# **Courses Which You Teach:**

No.	Department	Subject	Year
1	Physics	Vacuum Technology / fourth year	2007-2008
2	Physics	Vacuum Technology	2008-2009
3	physics	Vacuum Technology	2009-2010
4	Physics	Vacuum Physics / MSc , PhD	2008-2009
5	Physics	Vacuum Physics / MSc , PhD	2009-2010
6	Physics	Vacuum Technology / fourth year, PhD	2010-2011
7	Physics	Vacuum Technology / fourth year, PhD	2011-2012
8	Physics	Vacuum Technology / fourth year, PhD High Voltages/ fourth year	
9	Physics	Vacuum Technology / fourth year, PhD High Voltages/ fourth year	2013-2014
10	Physics	Vacuum Physics & Technology/fourth year, PhD High Voltages/fourth year	2014-2015
11	Physics	Vacuum Physics & Technology/fourth year, PhD High Voltages/fourth year	2015-2018

### Thesis which was supervised by:

No.	Thesis Title	Department	Year
1	Eye-Safe Laser OPO System (1.57µm) for Laser Ranging Measurements. (Ph.D.)	Physics	2007
2	General Characterization of Argon Plasma Induced by Microwave Source. (M.Sc.)	Physics	2013
3	Voltage Collapse Parameters of Glow Discharge Plasma. (Ph.D.)	Physics	2014
4	Preparation of Metals Nanoparticles (Cu,Al,Ag) by The Exploding Wire Technique in Different Liquids and It's Characterization. (M.Sc.)	Physics	2014
5	Synthesis of Carbon Films by Microwave Plasma- Enhanced Chemical Vapor Deposition. (Ph.D.)	Physics	2015
6	Metal-Metal Oxide/Polymer Nanocomposite Thin Films Prepared by Plasma Polymerization. (Ph.D.)	Physics	2015
7	Microwave Plasma Polymerization of Some Monomers to Produce Polymer/ Nano Carbon Composite. (Ph.D.)	Physics	2018

# Conferences which I participated:

No.	<b>Conferences Title</b>	Year	Place	Type of Participation
1	PAM 2019, 1 <sup>st</sup> international conf.in physics & advanced materials.	2019	Turkey	precentation
2	APMAS 2018, 8th International Advances in Applied Physics and Materials Science Congress & Exhibition	2018	Turkey	Presentation
3	3 <sup>rd</sup> International Multidisciplinary Microscopy & Microanalysis Congress & Exhibition	2015	Turkey	Presentation
4	3 <sup>rd</sup> scientific conference of the collage of science, Univ. of Baghdad, 3 <sup>rd</sup>	2009	College of Science Univ. of Baghdad	Presentation
5	First scientific conference on Nanotechnology.	2009	Phys. Dept. Univ. of Baghdad	Participant

6	National scientific conference On Physics.	2010	Phys. Dept. Univ. of Baghdad	Participant
7	Second scientific conference on Nanotechnology.	2010	Phys. Dept. Univ. of Baghdad	Participant
8	Second Symposium of material And thin films and its industrial Applications.	2008	Phys. Dept. Univ. of Baghdad	Presentation
9	The 14 <sup>th</sup> international conf. on Infrared & millimeter waves.	1989	Germany Wurzburg Univ.	Presentation
10	Winter school of laser, atomic & molecular physics, ICTP	1985	Trieste- Italy	Participant
11	Winter school of laser induced Plasma.	1990	Cairo Univ. Egypt	Participant

# Research Projects in The Felid of Specialization to The Environment and Society or the Development of Education:

No.	Research Title	Place of Publication	Year
1	CHARACTERIZATION OF POLYANILINE/SINGLE-WALLED CARBON NANOTUBE COMPOSITE FILMS PREPARED BY PLASMA POLYMERIZATION	Acta Physica Polonica A Vol. 135, No.4, 2019, PP 578-582	2019
2	A comparative study of polyaniline/MWCNT with polyaniline/SWCNT nanocomposite films synthesized by microwave plasma polymerization	Synthetic Metals Vol. 250C, 2019, PP 49-54	2019
3	Synthesis of Core-Shell Fe <sub>3</sub> O <sub>4</sub> -Au Nanoparticles by Electrical Exploding Wire Technique Combined with Laser Pulse Shooting	Optics and laser technology Vol. 111C, 2019, pp720-726	2019
4	Microwave Plasma Polymerization of Polyaniline/MWCNT Composite Thin Films for Optoelectronic Applications	International Journal of ChemTech Research Vol.10 No.9, pp 800-807, 2017	2017

5	Synthesis of Nanostructure Carbon Thin Films by Microwave Plasma-Enhanced Chemical Vapor Deposition A.S. Wasfi, H.R. Humud, M.E. Ismael	3rd International Multidisciplinary Microscopy and Microanalysis Congress .(InterM), Turkey, 19-23 October 2015, Springer Proceedings of physics, 67-76	2016
6	Preparation of Aluminum Nanoparticles by Exploding Wire in different Liquids. H.R.Humud, A.M.Makia, A.S.Wasfi	Journal of Physical Science and Application, 6(1) 228-235	2016
7	Polyaniline/TiO <sub>2</sub> Nanocomposite Thin Films Prepared by Microwave Plasma. H.R.Humud, A.S.Wasfi, M.A.Abed, M.E.Ismael	Wasit Journal for Science & Medicine, 8(3) 143-149	2016
8	Spectroscopic measurements of the electron temperature in low pressure microwave 2.45 GHz argon plasma. A.S.Wasfi, H.R. Humud, M.E.Ismael	Iraqi journal of physics, 13 (27), 14-23	2015
9	Characterization of silver/ polyaniline nanocomposite thin films prepared by microwave induced plasma.  A.S.Wasfi, M.A Abed	Iraqi journal of physics, 13(28), 1-9	2015
10	Preparation of Silver Nanoparticles by Exploding Wire in Different Liquids H.R. Humud, A.S. Wasfi, A.M. Makia	Asian Journal of Applied Science and Engineering 3 (2), 217-226	2014
11	Characterization of Argon Plasma Induced by Simple 2.45 GHz Microwave Source A.S. Wasfi, H.R. Humud, A.H Muhammad, M.S. Al-Ansari	International Review of Physics (IREPHY) 7 (1), 65-69	2013
12	A Low Temperature Atmospheric Pressure Plasma Jet. H.R.Humud, A.S.Wasfi	International Review of Physics (IREPHY) Vol.7, No.1,P.40	2013
13	Generation of Eye-Safe Laser by Optical Parametric Oscillator	Diyala Journal of Pure Sciences Vol. 8, No. 3, PP499	2012
14	Electrical Characterization of Epitaxialy Grown PbTe Films	Proceeding of 3 <sup>rd</sup> scientific conference of the collage of science, Univ. of Baghdad,	2009
15	The Effect of Ammonia Gas Pressure and and Pumping Geometry on the Ammonia Laser Output.	Journal of College of Education, No.1, PP.800	2009
16	Generation of 16 micrometer IR Laser by The optical pumping of CF <sub>4</sub> Gas	Um-Salama Science Journal, Vol. 5(3), PP.454-456.	2008
17	The effect of addition of buffer gases on The output energy and pulse width of Ammonia laser.	Iraqi Journal of Science, Vol. 49, No.2, PP. 96-100.	2008

18	Epitaxial Growth and Characterization of PbTe films.	Iraqi Journal of Physics, Vol. 5, No. 7, PP. 191-200.	2008
19	Mid-Infrared Generation by Superradiance Emission.	Journal of Mathematics and physics, Vol.11, No. 1	1989
20	Line narrowing and fine tuning of a TEA-CO <sub>2</sub> laser using a hot cell inside the laser resonator	IAEC Publications, 6240-27-89	1989
21	Design and development of TEA-CO <sub>2</sub> Laser.	IAEC Publications, 6240-13-88	1988
22	Effect of Laser Pulse Duration on Multiphoton Dissociation of molecules	IAEC Publication, 6240-P05-87	1987
23	A Study of Molecular Enrichment Using 12 micrometer Laser	IAEC Publications, 6240-Po6-86	1986
24	Regeneration of He-Ne Lasers.	IAEC Publications, 6240-10-93	1993
25	Regeneration of Argon Ion Lasers.	IAEC Publications, 6240-9-95	1995

#### **Membership:**

> Association of University Lecturers

Tenth, <u>Awards and Certificates of Appreciation</u>:

No.	Name of Awards and Certificates	Donor	Year
1			
2			
3			
4			
5			
6			

# **Eleventh,** Scientific literature:

No.	Scientific Literature Title	Year of The Publication
1		19 41
2	10000000000000000000000000000000000000	
3		III A SOUTH A

# languages:

✓ English

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