

## Curriculum Vitae

# Firas Hashem Ahmed

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### PERSONAL SUMMARY:

- An academic staff member (15th Feb 2006 - Present) at Mustansiriyah University, Baghdad, Iraq.
- Day of Birth: October 15, 1977
- Place of Birth: Baghdad, Iraq
- Nationality: Iraqi
- Address: Physics Department, College of Education, Mustansiriyah University, Baghdad, Iraq
- Title: Lecturer

### EDUCATION:

- Ph.D. in Nuclear Physics. 2011 - 2016. Mustansiriyah University, College of Science, Baghdad, Iraq.
- M.Sc. in Solid Physics. 2000 - 2004. Mustansiriyah University, College of Science, Baghdad, Iraq.
- B.Sc. in Physics. 1995 - 2000. Mustansiriyah University, College of Science, Baghdad, Iraq.

### ACADEMIC HONORS AND AWARDS:

- (1) Acknowledgment – Republic of Iraq/ Prime Minister's Office
- (1) Acknowledgment – Minister of higher education and scientific research.
- (4) Acknowledgments – President of Mustansiriyah University
- (1) Acknowledgment – Dean of Education college, Mustansiriyah University

### ACADEMIC /TEACHING EXPERIENCE:

- Lecturer. February 2006 - Present. Physics Department, College of Education, Mustansiriyah University, Baghdad, Iraq

### COURSES TAUGHT:

Undergraduate
<ul style="list-style-type: none"><li>• Computer Science, 2011 – 2017</li><li>• Plasma Physics, 2007 – 2011</li><li>• Astronomy , 2006 – 2007</li><li>• Computer Laboratory, 2011 – 2017</li><li>• Programming Laboratory, 2016 – 2017</li><li>• Electronics Laboratory, 2016 – 2017</li><li>• Optics Laboratory, 2015 - 2016</li></ul>

- Electricity Laboratory, 2015 – 2016
- Nuclear Physics Laboratory, 2011 – 2012
- Atomic Physics Laboratory, 2006 – 2008

## PROFESSIONAL AFFILIATIONS:

- Member of Examination Committee (2007 - 2008).

## PUBLICATIONS:

### International Journals

- Recommended Cross Sections of  $^{168}\text{Er}$  and  $^{170}\text{Er}$  Isotopes for (n,p), (n,2H) and (n, $\alpha$ ) Reactions at 14.0 MeV. (2017) IJSRST, Volume 3, Issue 6, Print ISSN: 2395-6011, Online ISSN: 2395-602X.
- Specific Activity and Production Yield of Neutron Induced Cross Section Reactions for Hafnium Isotopes at 14.5MeV. (2016) IJSRST, Volume 2, Issue 4, Print ISSN: 2395-6011, Online ISSN: 2395-602X
- Recommended Cross Sections and Optical Potential of Dy Isotopes for Neutron Induced Reactions at 14.0 MeV. (2016), International Letters of Chemistry, Physics and Astronomy, Online: 1437-05-06, ISSN: 2299-3843, Vol. 64, pp 19-26, SciPress Ltd., Switzerland.
- $\gamma$ -Radiation Effects on Some Optical Constants of CuS Thin Films. (2012), Atti della "Fondazione Giorgio Ronchi" Anno LXVII, 2012 - N. 4

### Local Journals

- Investigation of Structural Properties of CdS Thin Films Grown by Chemical Bath Deposition Technique. (2010), Journal of The College of Basic Education, Vol. 16, No. 61, ISSN 1815-7467.

### Local Conference

- Radioactivity Of Some Building Materials Samples Measured By Using (Hpge) Detector. (2019), presented at 3<sup>rd</sup> National CBRN Safety and Security Coordination Conference, 16-19 April 2018, Baghdad, Iraq.
- Determination of Natural Radioactivity in Some Commercial Motor Oil Samples. (2017), A paper presented at 1<sup>st</sup> Scientific International Conference, College of Science, Al-Nahrain University, 21-22/11/2017, Baghdad, Iraq.
- Excitation Function and Optical Potential for Erbium (A=168-170). (2017), A paper presented at 6<sup>th</sup> International Conference and Workshop on Basic and Applied Sciences, March 18<sup>th</sup>-19<sup>th</sup> 2017, Kurdistan, Iraq.
- Cross Sections of (n, $\alpha$ ) and (n, $\gamma$ ) Reactions for The Production of  $^{165}\text{Dy}$ ,  $^{169}\text{Er}$  and  $^{175}\text{Yb}$  Therapeutic Radionuclides. (2016), Paper Submitted to The 3<sup>rd</sup> International Scientific Conference of Medical and Health Specialties, 23-24 Mar 2016, Middle Technical University, Baghdad, Iraq.
- Cross Sections and Optical Potential of Er Isotopes for Neutron Induced Reactions at 14.0 MeV. (2016), Paper presented at The 1<sup>st</sup> International Scientific Conference of The Southern Technical University, 14-16 Mar 2016, Basra, Iraq.
- Effect of Fluorine Doping on Some Optical Constants of  $\text{Cr}_2\text{O}_3$  Thin Films Grown by Chemical Thermal Deposition Technique. (2011), Paper presented at 18th conference of College of Education, 20-21 April 2011, Baghdad, Iraq.
- Influence of Gamma Radiation on Optical Properties of CdS Thin Films Prepared by Chemical Bath Technique. (2010), presented at The 1<sup>st</sup> Scientific Conference, College of Science, Diyala University, 15-16 Nov 2009, Diyala, Iraq.
- Optical Properties of CdS Films Obtained from Chemical Bath Deposition Process. (2009), Paper presented at 16th conference of College of Education, 27-28 May 2009, Baghdad, Iraq.