

# *Curriculum Vitae*

**Full name AHMED FADHIL ALMURSHEDI**

**(PhD) in MEDICAL PHYSICS**

**Birthplace: Al-Muthanna – Iraq**

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## *Academic Education*

- 2011 – 2015    PhD. in Medical Physics, Universiti Teknologi Malaysisa (UTM), [Malysia].
- 2008 – 2010    MSC. Medical physics, University of Pune.
- 2004 – 2008    BSC. Physics, Al-Muthanna University.
- 2001 – 2004    High school, Alsamawah high school for boys.

## *Work Experience*

- Lecturer at Department of Medical Physics, College of Science, Al-Karkh University of Science.
- Lecturer at Department of Physics, College of Science, Al-Muthanna University.

### *Skills and Achievements*

- Matlab
- OriginLab
- OpenSesame
- EEGLAB
- Sigview
- Psychopy

### *Conferences*

- International Science Postgraduate Conference Nov. 2012, Ibnu Sina Institute for Fundamental Science Studies, UTM (as a Presenter).
- Regional Annual Fundamental Science Symposium (RAFSS), December 2012, Johor Bahru, Malaysia (as a Presenter).
- 9th National Seminar on Medical Physics NSMP, April 2014 Putrajaya Malaysia (as a Presenter).
- National Physics Conference (PERFIK 2014), November 2014 Sunway Malaysia (as a Presenter).
- International Conference on BioSignal Analysis, Processing and System (ICBAPS 2015), May 2015 Kuala Lumpur Malaysia (as a Presenter).
- 2<sup>nd</sup> International Conference on Advanced Research in Pure and Applied Science.(ICARPAS 2024) 27-28 November 2024, College of science Al-Muthanna University, Iraq (as a Presenter).

### *Publications*

- Visual evoked potentials (VEPs) decomposition and filtering based on discrete wavelet transformation, International Science Postgraduate Conference 2012 (ISPC 2012), (Conference Proceeding)
- A criterion for signal based selection of optimal wavelet decomposition for visual evoked potential signals, 10th Regional Annual Fundamental Science

Symposium 2012 (RAFSS 2012), (Conference Proceeding)

- Orthogonal and Biorthogonal Wavelet Analysis of Visual Evoked Potentials, International Journal of Computer Applications (0975–8887) Volume 60, Issue 4, December 2012
- Cross coherence independent component analysis in resting and action states EEG discrimination, 9th National Seminar on Medical Physics (NSMP 2014), Journal of Physics: Conference Series, Volume 546, Issue 1, article id. 012019 (2014) (Scopus and ISI)
- Signal Refinement :Principle Component Analysis and Wavelet Transform of Visual Evoked Potentials, Research Journal of Applied Sciences, Engineering and Technology, Maxwell Scientific Publications, Volume 9, Issue 2 (2015), (Scopus)
- Independent Component Analysis of EEG Dipole Source Localization in Resting and Action State of Brain, Perfik-2014, AIP Conf. Proc. 1657, 060002 (2015) (Scopus and ISI)
- Measure Projection Analysis of VEP Localization Neuron Generator, International Conference on BioSignal Analysis, Processing and Systems 2015, ICBAPS2015, 978-1-4799-6879-4/15, IEEE, (Scopus and ISI)
- Puzzle Response in Perceptual Decision Making: An ERP, Time-Frequency and Source Localization Analyses, Translational Neuroscience, (Accepted), (IF: 1.319)
- Feature Extraction of Visual Evoked Potentials Using Wavelet Transform and Singular Value Decomposition, Iranian Journal of Medical Physics (2018) (Scopus)

### *Languages*

- Arabic (mother tongue).
- English (Moderate, writing, and scientific publishing).

### *Research Interest*

- Electroencephalogram (EEG)
- Evoked Potentials (EPs)
- Event Related Potentials (ERPs)
- Neuroimaging human brain
- Biomedical Signal Processing and Control.

### *Membership*

- IEEE Membership 2015.
- Iraqi Medical Physics Society (IMPS).

### *Awards*

- First Rank in M. Sc. Physics by Pune District Education Association's (PDEA), Baburaoji Gholap College on 10-2-2011, Pune, India.
- Best Oral Presentation Award in 9th National Seminar on Medical Physics, Advances in Multidisciplinary Research and Clinical Practice, provided by Malaysian Association of Medical Physics on 5 April 2014 Putrajaya, Malaysia.