

# Curriculum Vitae

الدكتور أَحمد فاضل حسُونِي المُرشدي

قسم الفيزياء - كلية العلوم - جامعة المثنى



## Personal Information (المعلومات الشخصية)

Full Name: Ahmed Almurshedi	الاسم الكامل: أَحمد فاضل حسُونِي المُرشدي
D.O.B: 19th January 1987	تاريخ التولد: 1987/01/19
Address: Al-Muthanna University – College of Science, Department of Physics	عنوان العمل: جامعة المثنى – كلية العلوم – قسم الفيزياء
Mobile: +9647740705626	رقم الهاتف: 07740705626
E-mail: <a href="mailto:fahmed2@mu.edu.iq">fahmed2@mu.edu.iq</a> <a href="mailto:fahmed2@gmail.com">fahmed2@gmail.com</a>	الايميل: <a href="mailto:fahmed2@mu.edu.iq">fahmed2@mu.edu.iq</a> <a href="mailto:fahmed2@gmail.com">fahmed2@gmail.com</a>

## الشهادات الأكademية

- دكتوراه علوم فيزياء (Ph.D) / فيزياء طبية الجامعة التكنولوجية الماليزية (2015).
- ماجستير علوم فيزياء (M.Sc) / فيزياء طبية جامعة بونا (2010).
- بكالوريوس (B.Sc) علوم فيزياء جامعة المثنى (2008).

## اللقب العلمي

- مدرس (2016).

## المهام الوظيفية

- تدريسي في جامعة الكرخ للعلوم (2016).
- مقرر قسم الفيزياء الطبية كلية العلوم جامعة الكرخ للعلوم (2017-2018).
- تدريسي في قسم الفيزياء كلية العلوم جامعة المثنى (2018).
- مقرر قسم الفيزياء كلية العلوم جامعة المثنى (2018--2021).
- معاون العميد للشؤون الإدارية كلية العلوم جامعة المثنى (2021).

## Research area (الاهتمامات البحثية)

- Electroencephalogram (EEG) التخطيط الكهربائي للدماغ
- Evoked Potentials (EPs) الجهد المحفز
- Event Related Potentials (ERPs) الجهد المرتبط بالاحداث
- Artificial intelligent الذكاء الاصطناعي
- Medical Signal Processing معالجة الاشارات الطبية
- Medical Physics الفيزياء الطبية

## Reviewer (مقيم علمي)

- Biomedical Signal Processing and Control (Elsevier)
- Australasian Physical & Engineering Sciences in Medicine (Springer)
- NeuroQuantology (Scopus and Clarivate Analytics)
- International Journal of Imaging Systems and Technology (Clarivate Analytics)
- Journal of Neural Engineering (IOP Science)
- Physical and Engineering Sciences in Medicine (Springer)

## Scientific Activities (العضوية)

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

## Software Skills (البرمجيات)

- Matlab Programming
- Microsoft office (Word, Excel, PowerPoint)
- OriginLab Software
- EEGLAB

## Languages (اللغات)

- English Language
- Arabic Language

## Others (اخرى)

- Scopus H-index: 2
- Google scholar H-index: 2
- Research gate score: 12.93
- Publons (ResearcherID): E-5278-2019
- Scopus Author ID: 56454495900
- ORCID ID: <http://orcid.org/0000-0002-7461-7957>



## Publications (البحوث المنشورة)

- 1 Visual evoked potentials (VEPs) decomposition and filtering based on discrete wavelet transformation, International Science Postgraduate Conference 2012 (ISPC 2012), (Conference Proceeding)
- 2 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)
- 3 Orthogonal and Biorthogonal Wavelet Analysis of Visual Evoked Potentials, International Journal of Computer Applications (0975–8887) Volume 60, Issue 4, December 2012
- 4 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)
- 5 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)
- 6 Independent Component Analysis of EEG Dipole Source Localization in Resting and Action State of Brain, Perfilk-2014, AIP Conf. Proc. 1657, 060002 (2015) (Scopus and ISI)
- 7 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)
- 8 Puzzle Response in Perceptual Decision Making: An ERP, Time-Frequency and Source Localization Analyses, Translational Neuroscience, (Accepted), (IF: 1.319)
- 9 Feature Extraction of Visual Evoked Potentials Using Wavelet Transform and Singular Value Decomposition, Iranian Journal of Medical Physics, Volume 15, Issue 4 (2018), (Scopus)
- 10 Neural Correlation of Maturity and Perceptual Decision Making: An Event Related Potential Evidence, Time-Frequency and Measure Projection Analysis, Neuroquantology, (2018), (Scopus and ISI)

## Conferences (المؤتمرات)

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- 1 International Science Postgraduate Conference Nov. 2012, Ibnu Sina Institute for Fundamental Science Studies, UTM (Presenter).
- 2 Regional Annual Fundamental Science Symposium (RAFSS), December 2012, Johor Bahru, Malaysia (as a Presenter).
- 3 9th National Seminar on Medical Physics NSMP, April 2014 Putrajaya Malaysia (a Presenter).
- 4 National Physics Conference (PERFIK 2014), November 2014 Sunway Malaysia (Presenter).
- 5 International Conference on BioSignal Analysis, Processing and System (ICBAPS 2015), May 2015 Kuala Lumpur Malaysia (Presenter).
- 6 Participant in Turn-It-In Workshop on 26 February 2014, Organized by Postgraduate Student Society of UTM (UTM-PGSS in collaboration with School of Graduate Studies (SPS) Johor Bahru Malaysia.
- 7 UTM ISC International Student Activity Workshop which held on 4-6 January 2013 in collaboration with UTM International Student Center (UTM ISC) Universiti Teknologi Malaysia.