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علي عبد الوهاب عاتي -دكتوراه فيزياء-نانوتكنولوجي
العنوان: محافظة القادسية -الديوانية حي العروبة الثالثة دار1-زقاق 65 -محلة 103
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CURRICULUM VITAE Dr. Ali Abdulwahab Ati



Title : Doctor of Science in Physics/ Nanotechnology
Date of birth : 7th January 1985
Place of birth : Diwaniyha, Iraq.
Gender : Male
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EDUCATIONS

Mar 2011 – Apr 2015 Doctor of Philosophy in Physics- Nanotechnology (8 Apr 2015) on
"Synthesis and Characterization of Cobalt Based Ferrite"
UNIVERSITI TEKNOLOGI MALAYSIA (UTM), MALAYSIA

Sep. 2008 – July 2010 Master of Science in Physics (31 July 2010) four courses with
research project " Comparison the Iraqi and Indian heart rate by
ECG"
UNIVERSITY OF PUNE, INDIA

Sep 2003- May 2007 Bachelor of Science in Physics(Oct 2003- Oct 2007)
UNIVERSITY OF WASIT, WASIT IRAQ

No. of Publications :15
No. of Citations : 52
Total Impact factor : 14
h-index Value : 4
i10-index Value : 2

Google scholar: <https://scholar.google.com/citations?user=4QHURAIAAA&hl=en>

PUBLICATIONS

- 1. Ali A. Ati, Zulkafli Othaman, Alireza Samavati. "Influence of cobalt on structural and magnetic properties of nickel ferrite nanoparticles." Journal of Molecular Structure 1052 (2014): 177-182.**
- 2. Ali A. Ati, Zulkafli Othaman, Alireza Samavati, Fatemeh Yaghoubi Doust. "Structural and Magnetic Properties of Co-Al Substituted Ni Ferrites Synthesized by Co-precipitation Method." Journal of Molecular Structure 1058 (2015): 136-141.**
- 3. Shadab Dabagh, Ali A. Ati, R. M. Rosnan, Samad Zare, Zulkafli Othaman. " Effect of Cu-Al substitution on the structural and magnetic properties of Co ferrites". Materials Science in Semiconductor Processing 33 (2015): 1-8.**
- 4. Samad Zare, Ali A. Ati, Shadab Dabagh, R. M. Rosnan, Zulkafli Othaman" Synthesis, Structural and Magnetic behavior studies of Zn-Al substituted cobalt ferrite nanoparticles" Journal of Molecular Structure. 1089 (2015):25-31**
- 5. Sahira Hassan Kareem, Ali A. Ati, Mustaffa Shamsuddin, Siew Ling Lee. Nanostructural, morphological and magnetic studies of PEG/Mn_(1-x)Zn_(x)Fe₂O₄ nanoparticles synthesized by co-precipitation. Ceramics International 41(2015)11702–11709.**
- 6. Ali A. Ati, Zulkafli Othaman, Shadab Dabagh, R. M. Rosnan, Samad Zare. Synthesis and characterization of Nanocrystalline Nickel- Cobalt Ferrites by Co-precipitation Method. Malaysian Journal of Fundamental and Applied Sciences 11(1) 2015.**
- 7. R. M. Rosnana, Z. Othaman, A.A. Ati" Preparation, Morphological and Structural Properties of Nanocrystalline Ni–Mg Cobalt-Ferrite Synthesized by the Co-Precipitation Method" Advanced Materials Research. 1109 (2015): 355-359**
- 8. Mohammed A. Ati, Hayder Khudhair, Shadab Dabagh, R. M. Rosnan, Ali A. Ati Synthesis and Characterization of Cobalt doped Nickel - Ferrites Nanocrystalline by Co-precipitation Method" International Journal of Scientific & Engineering Research 5 (2014): 927-930.**

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9. Rizuan Bin Mohd Rosnan;Zulkafli Othaman;Ali A. Ati;Rosli Hussin;Shadab Dabagh;Samad Zare;Alireza Samavati, "The role of Mg substitution on the structural and magnetic properties of $\text{Co}_{0.5}\text{Ni}_{0.5-x}\text{Mg}_x\text{Fe}_2\text{O}_4$ nanoparticle ferrites" Chinese Physics B 25(4), 047501.2016.
10. Shadab Dabagh, Ali A.Ati, Zulkafli Othaman, R. M. Rosnan, Samad Zare. Cu^{2+} and Al^{3+} co-substituted cobalt ferrite: "Structural analysis, morphology and magnetic properties" Bulletin of Materials Science 39(4), 1029-1037. 2016.
11. Effect of graphene oxide on the structural and electrochemical behavior of polypyrrole deposited on cotton fabric. Journal of Molecular Structure. 2014 1075 (486–493).
12. Shadab Dabagh, Ali A. Ati, Zulkafli Othaman." Synthesis and characterization of $\text{Co}_{1-x}\text{Cu}_x\text{Fe}_{2-x}\text{Al}_x\text{O}_4$ ferrite nano-scales as a potential candidate for high density data storage applications" under writing.2016

CONFERENCES, WORKSHOPS & SEMINARS

A. CONFERENCES

1. Ali A. Ati, Zulkafli Othaman" Synthesis of Ni-Co ferrite nanoparticles by co-precipitation method and its characterization" in the Proceedings of Regional Annual Fundamental Science Symposium 2012 (RAFSS 2012).
2. Ali A. Ati, Zulkafli Othaman, Shadab Dabagh , R. M. Rosnan, Samad Zare, " Synthesis and characterization of Nanocrystalline Nickel-Cobalt Ferrite by Co-precipitation Method" in the Proceedings of Regional Annual Fundamental Science Symposium 2014 (RAFSS 2014).
3. R. M. Rosnan, Zulkafli Othaman , Ali A. Ati, Shadab Dabagh, Samad Zare" influence of the sintering temperture on the morthology and structural properties of Ni-Mg substituted of cobalt ferrites" In proceeding of: International Science Postgraduate Conference 2014 (ISPC2014), At Ibnu Sina Institute, Universiti Teknologi Malaysia 2014.

4. Ali A. Ati, Zulkafli Othaman, Shadab Dabagh , R. M. Rosnan, Samad Zare, 27th Regional Conference on Solid State Science& Technology 2013 (RCSSST27)" Solid State Science& Technology: Towards an Immersive Breakthrough" Univeisiti Malaysia Sabah.

B. WORKSHOPS AND SEMINARS

1. workshop: Energy Generation & Conservation
Baburaoji Gholap College, University of Pune (10th JAN 2009).
2. Workshop: Academic Collaboration And Knowledge Sharing Between International Students. C21-81310 UTM Johor Bahru.
3. Workshop: Program Home Stay. Universiti Teknologi Malaysia, Kolej Rahman Putra. 23-25 MAC 2012.
4. Seminar of journal paper and thesis writing, on 2 November 2011 at lecture theatre 1,Ibnu Sina Institute for Fundamental Science Studies, UTM Johor Bahru, Johor, Malaysia.

BOOKS

1. Professor Dr S. K. Ghoshal and Ali A. Ati , "Multifunctional Spinel Ferrite Nanoparticles", under print by UTM university.

ACADEMIC AND RESEARCH EXPERIENCES

- 01-06-2016 Senior researcher - UNIVERSITY TECHNOLOGY PETRONAS
under project Alpha Matrix / Fundamental and Applied Sciences Department.
- 2012-2016 TUTOR - UNIVERSITY TECHNOLOGY MALAYSIA
Synthesis of magnetic nanoparticles using chemical method postgraduate project , course and seminar (Ph.D) Professor Dr. Zulkafli Othaman.

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- 2013 TUTOR - UNIVERSITY TECHNOLOGY MALAYSIA**
Synthesis of ZnO using sol-gel method postgraduate project , course and seminar (master) Professor Dr. Zulkafli Othaman
- 2011-2015 TUTOR -UNIVERSITY TECHNOLOGY MALAYSIA**
Synthesis magnetic nanoparticles by co-perspirations method (undergraduate project, course and seminar) Professor Dr. Zulkafli Othaman
- 2011 TUTOR - UNIVERSITY TECHNOLOGY MALAYSIA**
Synthesis of ZnO using chemical method (undergraduate project, course and seminar) Professor Dr. Zulkafli Othaman
- 2009-2010 TUTOR - UNIVERSITY OF PUNE, INDIA**
Medical physics and Biophysics (undergraduate course) Dr. S. D. Aghave

RESEARCH INTEREST

Pursuing graduate studies in the field of Nanophysics with special interest i

1. Ferrite nanoparticles (magnetic nanoparticles)
2. Semiconducting materials
3. Graphene
4. Ferroelectric nanoparticles (electrical nanoparticles)
5. Magneto electric nanocomposites
6. Drug delivery using magnetic nanoparticles
7. Ceramic material

8. Oil recovery using magnetic nanoparticles

KEY SKILLS & COMPETENCIES

- 1. Extensive knowledge of semiconductor, ferrite, ferroelectric, nanostructure, magnetoelectric nanocomposites and drug delivery.**
- 2. Ability to priorities own work in response to deadlines.**
- 3. Excellent research skills.**
- 4. Able to plan research and organize tasks effectively.**
- 5. Ability to resolve problems independently. Possessing a creative approach to problem-solving.**
- 6. Flexible with working hours and having excellent interpersonal skills.**
- 7. Knowledge of maintaining safe workplace practice and procedures in accordance with the requirements of Health and Safety Regulations.**
- 8. Experience in carrying out experimental research.**

COMPUTER SKILLS

- 1. Physical and Chemical Nanostructure analysis by XRD, FTIR, FE-SEM, TEM, VSM and LCR meter.**
- 2. Programming skill in, MATLAB 7.2.**
- 3. Familiar with Linux and Microsoft Windows environments.**
- 4. Origin 16.0 and MDI Jade software.**
- 5. Microsoft Office 2010.**
- 6. Image J software.**
- 7. Magicplot software.**

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REFERENCES

Professor Dr. Zulkafli Othaman (Ph.D degree supervisor 2011-2015)
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Baburaoji Gholap College, University of Pune,
411027 Sangvi, Pune, Maharashtra, India
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5.Professor. Dr. S. R. Chaudhary
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411027 Sangvi, Pune, Maharashtra, India**

6.Dr. Mohammad Alam Saeed
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University Teknologi Malaysia,
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7.Dr. Rushid Ahmed
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8.Dr. Hassan Soleimani
Fundamental and applied science
Universiti Teknologi PETRONAS
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E-mail address: hassan.soleimani@petronas.com.my