

PERSONAL INFORMATION



Dr. Muhammad Hameed Al-TIMIMI

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Birth/Place

15/09/1980.... Diyala

Marital Status

Married

WORK EXPERIENCE

2012–2023 Assistant Professor / Teacher
Department of Physics - College of Science - University of Diyala

EDUCATION AND TRAINING

2001–2002 Bachelor in physics
The University Al-Mustansiriya, Baghdad (Iraq)

2004–2005 Master in physics science
The University Al-Mustansiriya, Baghdad (Iraq)

2019-2020 Ph.D. in Physics Science (Nano-materials & Energy Storage)
3Nano-SAE Research Centre -University of Bucharest (Romania)

PERSONAL SKILLS

Mother tongue(s) Arabic

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Romanian	C1	C1	C1	C1	C1

Publications

Articles

1-Saeed, F. R., Serban, E. C., Vasile, E., **Al-Timimi, M. H. A. A.**, Al-Banda, W. H. A., Abdullah, M. Z. A., ... & Balan, A. E. (2017). NANOMAGNETITE ENHANCED PARAFFIN FOR THERMAL ENERGY STORAGE APPLICATIONS. *Digest Journal of Nanomaterials & Biostructures (DJNB)*, 12(2).

2- F. R. Saeed., **M. H. A. Al-Timimi**, W. H. A. Al-Banda, M. Z. Abdullah, I. Stamatina, S. Voinea, B. Dobrica, A. E. Balan, (2018), Thermal properties of paraffin/ nano-magnetite-trevorite phase change materials, , *Journal of Ovonic Research*, 14 (5) 371-379.

3- M. Z. Abdullah, H. M. Hasan, **M. H. AL-timimi**, W. H. Albanda, M. K. Alhussainy, M. Dumitru, (2019). Preparation and characterization of carbon-doped lithium iron phosphate composite as cathode for rechargeable battery, *Journal of Ovonic Research*, 15(3), 199-204 .

4- Abdullah, M. Z., **Al-Timimi, M. H.**, Albanda, W. H., Dumitru, M., Balan, A. E., Ceaus, C., ... & Stamatina, I. (2019). STRUCTURAL AND ELECTROCHEMICAL PROPERTIES OF P3-Na0. 67Mn0. 3Co0. 7O2 NANOSTRUCTURES PREPARED BY CITRIC-UREA SELF-COMBUSTION ROUTE AS CATHODE FOR SODIUM ION BATTERY. *Digest Journal Of Nanomaterials And BIOSTRUCTURES*, 14(4), 1179-1193.5- J. Al-zanganawee, **M. Al-Timimi**, A. Pantazi, O. Brincoveanu, C. Moise, R. Mesterca, D. Balan, S. Ifitimie, M. Enachescu,(2016) ,

5- Al-Zanganawee, J., **Al-Timimi, M.**, Pantazi, A., Brincoveanu, O., Moise, C., Mesterca, R., ... & Enachescu, M. (2016). Morphological and optical properties of functionalized SWCNTs: P3OT nanocomposite thin films, prepared by spincoating. *Journal of Ovonic Research*, 12(4), 201-207.

6-Chiad, S. S., Habubi, N. F., Abass, W. H., & **Abdul-Allah, M. H.** (2016). Effect of thickness on the optical and dispersion parameters of Cd0. 4Se0. 6 thin films. *Journal of Optoelectronics and Advanced Materials*, 18(9-10), 822-826.

7-**Abdul-Allah, M. H.** (2014). Study of optical properties of (PMMA) doped by methyl red and methyl blue films. *Iraqi Journal of Physics*, 12(24), 47-51.

8-Salman, S. A., **Abdu-Allah, M. H.**, & Bakr, N. A. (2014). Optical characterization of red methyl doped poly (vinyl alcohol) films. *International Journal of Engineering and Technical Research*, 2(4), 126-128.

8-Abood, A. T., Hussein, O. A. A., **Al-Timimi, M. H.**, Abdullah, M. Z., Al Aani, H. M. S., & Albanda, W. H. (2020, March). Structural and optical properties of nanocrystalline SnO2 thin films growth by electron beam evaporation. In *AIP Conference Proceedings* (Vol. 2213, No. 1, p. 020036). AIP Publishing LLC.

9-Saeed, **M. H., Al-Timimi, M. H.**, & Hussein, O. A. A. (2021). Structural, morphological and optical characterization of nanocrystalline WO3 thin films. *DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES*, 16(2), 563-569.

10- Mohammed, A. A., Ahmed, A. R., & **Al-Timimi, M. H.** (2022). Structural, Optical and Thermal Properties of (PEG/PAA: MnO2) Nano Composites. *Technium BioChemMed*, 3(2), 107-119.

11- HUSSEIN, H. M., & **Al-Timimi, M. H.** (2022). Preparation and Study Some Physical Properties of (CMC/PAA: MgO) Nano Composites. *Eurasian Journal of Physics, Chemistry and Mathematics*, 8, 47-55.

12- Al-Rikabia, H. S., **Al-Timimia, M. H.**, & Albandab, W. H. (2022). Morphological and optical properties of MgO1-xZnSx thin films. *Digest Journal of Nanomaterials & Biostructures (DJNB)*, 17(3).

13-HUSSEIN, H. M., **AL-TIMIMI, M. H.**, & JAWAD, Y. M. (2022). The Properties, Preparation and Applications for Carboxymethyl Cellulose (CMC) Polymer: A Review. *Diyala Journal for Pure Science*, 18(4).

Patent

1-Nano-Structured Materials for Electrodes in Sodium-Ion Batteries obtained by Molecular Reconstruction Process. **Al- Timimi Muhammad Hameed Abdulallah**, Mustafa Zaid Abdullah Ioan , Stamatin, Nichita Cornelia, BĂlan Adriana Elena, Șerban Nicolae, Abdullah,EP, RO133804B1,2021.

2- Titanium Dioxide-Based Photocatalytic Nanostructures to be Applied in Environmental Decontamination and Processes For Preparing The Same. **Al- Timimi Muhammad Hameed Abdulallah** , Widad, Hano Albanda Abbas , Stamatin, Ioan , Nichita, Cornelia, EP,RO134886,2021.

International Conferences

1. **Muhammad AL-TIMIMI.**, et al, (2017). SODIUM MANGANESE OXIDE SYNTHESIS BY PECHINI METHOD FOR SODIUM ION BATTERIES APPLICATIONS. 17th international balkan workshop on applied physics and materials science.
2. **Muhammad AL-TIMIMI.**, et al, (2017). ARC-DISCHARGE SYNTHESIS TI AND W OXIDES FOR PHOTOCATALYTIC APPLICATIONS. 17th international balkan workshop on applied physics and materials science.
3. **Muhammad AL-TIMIMI.**, et al, (2017). SYNTHESIS OF SPINEL NaCo_2O_4 NANOSTRUCTURES BY NOVEL UREA ASSISTED POLYMERIC CITRATE ROUTE FOR CATHODE NA-ION BATTERY. 17th international balkan workshop on applied physics and materials science.
4. **Muhammad AL-TIMIMI.**, et al, (2017). PHASE CHANGE MATERIALS:PARAFFIN FE/NI NANOCOMPOSITES THERMAL PROPERTIES. 17th international balkan workshop on applied physics and materials science.
5. **Muhammad AL-TIMIMI.**, et al, (2016). CHOLINE CHLORIDE - UREA IONIC LIQUID FOR THERMAL STORAGE APPLICATIONS. Bucharest University Faculty of Physics.
6. **Muhammad AL-TIMIMI.**, et al, (2016). Co_3O_4 NANOSTRUCTURES TO IMPROVE THE ANODIC PERFORMANCE OF SODIUM ION BATTERIES. Bucharest University Faculty of Physics.
7. **Muhammad AL-TIMIMI.**, et al, (2017).Photoelectrochemical Water Splitting at semiconductor electrolyte interface. . Bucharest University Faculty of Physics.
8. **Muhammad AL-TIMIMI.**, et al, (2018). SYNTHESIS OF SODIUM MANGANESE OXIDES BY USING PECHINI METHOD FOR BATTERIES APPLICATIONS. Bucharest University Faculty of Physics.
9. **Muhammad AL-TIMIMI.**et. al. (2018). THERMAL PERFORMANCE OF (Ni) NANOPARTICLES-ENHANCED PARAFFIN AS PHASE-CHANGE MATERIAL. Bucharest University Faculty of Physics.
10. **Muhammad AL-TIMIMI.**, et al, (2018). SYNTHESIS OF TiO_2 FOR PHOTOCATALYTIC APPLICATIONS. Bucharest University Faculty of Physics.
11. **Muhammad AL-TIMIMI.**, et al, (2018). PREPARATION AND CHARACTERIZATION OF NaNMCOO_4 NANOSTRUCTURES BY NOVEL POLYMERIC CITRATE-UREA ROUTE AS CATHODE FOR SODIUM ION BATTERY. Bucharest University Faculty of Physics.