



CV

About the researcher

- Name: **Nazar Khalaf Mahan Al-Aayed**
- Job: Lecture at Physics Department, Mustansirihoh University.
- Birth date: January/15/1987.
- Nationality: Iraqi.
- Languages: Arabic and English.
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<https://www.scopus.com/authid/detail.uri?authorId=57205096354>
- Google Scholar Citations:
https://scholar.google.com/citations?hl=en&user=6HBGpzIAAAAJ&view_op=list_works&gmla=AJsN-F7B4XTjQEDn7uWN5wFuWphG-Nmw_L-uLf16-fl_Y758QIExBmgbOrMIUVnFV0eU9L_GmZUx_VxHS_wxEZiMSVqDfeVqCBkxiPgc_oyNNPn3nyqy45S_SVYlodNLubMccS6fGJyr9Aijbq87xkix4zI48zJC0aDPQ

Academic qualifications

- M.Sc. in Experimental Physics “*CONCENTRATION-DEPENDENT CYANIDE ACTION MONITORED USING SPECTRAL PHASOR ANALYSIS OF UV-EXCITED CELLULAR AUTOFLUORESCENCE*” (January 2018), Physics Department, Miami University, Oxford, Ohio 45056. USA.
- B. Sc. In Applied Physics / Morning study, very good with honors degree (May 2009), Applied Science Department, University of Technology - Baghdad, Iraq.

Employment record

- Demonstrator: Full time (February, 2012 – January, 2015) Collage of sciences, Mustansirihoh University.
- Assistant lecture: Full time (January, 2018 – until now) Physics Department, Mustansirihoh University, and director of the dean office.

ACADEMIC HONORS AND AWARDS:

- **#1.** Honoring the shield of creativity by the Shiite waqf (2012).
- **#2.** Honoring with a certificate of appreciation by the Minister of Higher Education and Scientific research (2012).
- **#3.** I have got a letter of acknowledgments awarded by the collage dean of Science/ Mustansiriyah University in 2012/7/7.
- **#4.** I have got a letter of acknowledgments awarded by the collage dean of Science/ Mustansiriyah University in 2014/2/23.
- **#5.** I have got a letter of acknowledgments awarded by the collage chairman of Mustansiriyah University in 2014/5/6.
- **#6.** I have got a letter of acknowledgments awarded by the collage dean of Science/ Mustansiriyah University in 2014/5/29.
- **#7.** I have got a letter of acknowledgments awarded by the collage dean of Science/ Mustansiriyah University in 2014/9/30.
- **#8.** I have got a letter of acknowledgments awarded by the collage dean of Science/ Mustansiriyah University in 2014/11/26.
- **#9.** I have got a letter of acknowledgments awarded by the collage chairman of Mustansiriyah University in 2014/12/17.

- **#10.** I have got a letter of acknowledgments awarded by the collage dean of Science/ Mustansiriyah University in 2015/9/15.
- **#11.** I have got a letter of acknowledgments awarded by the collage chairman of Mustansiriyah University in 2016/12/7.
- **#13.** I have got a letter of acknowledgments awarded by the collage chairman of Mustansiriyah University in 2019/1/16.
- **#14.** I have got a letter of acknowledgments awarded by the collage chairman of Mustansiriyah University in 2019/2/17.
- **#15.** I have got a letter of acknowledgments awarded by the collage chairman of Mustansiriyah University in 2019/6/2.
- **#16.** I have got a letter of acknowledgments awarded by the collage dean of Science/ Mustansiriyah University in 2019/6/11.
- **#17.** I have got a letter of acknowledgments awarded by the collage chairman of Mustansiriyah University in 2019/5/29.
- **#18.** I have got a letter of acknowledgments awarded by the minister of higher eduction and scientific research in 2019/7/3.
- **#19.** I have got a letter of acknowledgments awarded by the collage chairman of Mustansiriyah University in 2019/7/30.
- **#20.** I have got a letter of acknowledgments awarded by the collage dean of Science/ Mustansiriyah University in 2019/10/2.
- **#21.** I have got a letter of acknowledgments awarded by the collage chairman of Mustansiriyah University in 2019/11/3.
- **#22.** I have got a letter of acknowledgments awarded by the collage dean of Science/ Mustansiriyah University in 2019/11/5.
- **#23.** I have got a letter of acknowledgments awarded by the collage dean of Science/ Mustansiriyah University in 2019/11/5.
- **#24.** Honoring with a certificate of appreciation by the Minister of Higher Education and Scientific research (2020).
- **#25.** I have got a letter of acknowledgments awarded by the collage chairman of Mustansiriyah University in 2020/5/10.
- **#26.** I have got a letter of acknowledgments awarded by the collage chairman of Mustansiriyah University in 2020/7/25.
- **#27.** I have got a letter of acknowledgments awarded by the collage dean of Science/ Mustansiriyah University in 2020/4/28.
- **#29.** Honoring with a certificate of appreciation by the Minister of Higher Education and Scientific research (2021).

- #30. I have got a letter of acknowledgments awarded by the collage chairman of Mustansiriyah University in 2021/3/2.
- #31. I have got a letter of acknowledgments awarded by the collage chairman of Mustansiriyah University in 2020/1/26.

Research project:

- Research project from (2018) form department of Physics at Miami university, USA. Title: “Concentration-Dependent Cyanide Action Monitored Using Spectral Phasor Analysis of UV-Exacted Cellular Autofluorescence”.

Committees:

Committees			
N	Name	Date	Place
1	لمتابعة الامتحانات المركزية لسنة الدراسية ٢٠٢٠-٢٠١٩	<u>2020/1/21</u>	الجامعة المستنصرية / كلية العلوم
2	لتقديم خدمات للمجتمع في ظل ازمة كورونا تتولى تصنيع معقمات (كحول)	<u>2020/4/21</u>	الجامعة المستنصرية / كلية العلوم
3	<u>لجنة التحضيرية لمعرض الالكترونى</u>	<u>2020/5/17</u>	الجامعة المستنصرية / كلية العلوم
4	<u>لجنة لجمع النشاطات التدريسيين للمشاركة في معرض نتائج الجامعة</u>	<u>2021/3/2</u>	الجامعة المستنصرية / كلية العلوم

List of Publications:

- J. Maltas, D. Palo, C.K. Wong, S. Stefan, J. O'Connor, Nazar Al Aayedi, M. Gaire, D. Kinn, and P. Urayama. A metabolic interpretation for the response of cellular autofluorescence to chemical perturbations assessed using spectral phasor analysis. RSC Advances, 8: 41526-41535 (2018). [doi:10.1039/C8RA07691J](https://doi.org/10.1039/C8RA07691J)
- "Distinguishing chemically induced NADPH- And NADH-related metabolic responses using phasor analysis of UV-excited autofluorescence."
- Safaa Farhood madlul a , Nazar Khalaf Mahan a , Ehab Mohammed Ali b , Ahmed N. Abd a. "Synthesis of CdS:Cu5% thin films by chemical method based on silicon for gas sensor applications." Department of Physics, College of Science, Mustansyriah University, Baghdad, 00964, Iraq.
- Marwa Abdul Muhsien Hassan , Nazar Khalaf Mahan. " Synthesis of ZnO Nanorod/TiO2 Nanotube and its Application as a Resistive Gas Sensor," Department of Physics, College of Science, Mustansyriah University, Baghdad, 00964, Iraq.
- Nazar Khalaf Mahan, Marwa Abdul Muhsien Hassan, Asmaa Hadi Mohammed, Rana Ismael Khalee. "Neuronal toxicity of CDS nanoparticles prepared by laser ablation and their effect on liver. " Department of Physics, College of Science, Mustansyriah University, Baghdad, 00964, Iraq.
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