

سيرة ذاتية مختصرة:

حصلت على الدكتوراه. في جامعة ماربورغ. لقد أكملت بحثي بالتحليل الطيفي ف-THz-TDS. تخرجت في أكتوبر 2017.

التعليم:

درجة الدكتوراه | أكتوبر 2017 | جامعة ماربورغ .

- التخصص العام: علوم الفيزياء
- التخصص الدقيق: الكرونيات بصرية

درجة الماجستير | سبتمبر 2001 | الجامعة المستنصرية .

- التخصص العام: علوم الفيزياء
- التخصص الدقيق: تكنولوجيا أنظمة البصريات

درجة البكالوريوس | يونيو 1999 | الجامعة المستنصرية

- التخصص العام: علوم الفيزياء
- التخصص الدقيق: الليزر

التجارب والمهارات:

عملت في الجامعة المستنصرية / كلية العلوم كأستاذ مساعد يساعد طلاب المرحلة الجامعية على فهم المفاهيم النظرية الواردة في المحاضرات النظرية، وتطبيقها رياضياً في الفصل الدراسي أو عملياً في الميدان.

الخبرات:

أستأذاً مساعداً يقوم بتدريس الطلبة الصغار والكبار بعض المواد المتعلقة بفيزياء البصريات في الجامعة المستنصرية / كلية العلوم.

البرامج المستخدمة:

- IC³ Certificate.
- Adobe Photoshop, Blender. Inkscape.
- Imagine J.
- Office.
- Control Programing , Origin Program.
- LabView/ Basic.
- Math lab, Pythen language/ Basic.

البحوث المنشورة:

07/2017

Abdulmunem, Oday, et al. "TiN Nanoparticles for Enhanced THz Generation in TDS Systems." [Journal of Infrared, Millimeter, and Terahertz Waves](#), Volume 38(10), 1206–1214 (2017).

06/2017

Oday Abdulmunem, Khaleel Hassoon, Mahmoud Gaafar, Arash Rahimi-Iman, Jan C. Balzer, "TiN Nanoparticles for enhanced THz generation from LT-GaAs-based photoconductive antennas", SPIE Optics and Optoelectronics Conference, 10228-50 (2017).

05/2017

Schneider, L.M., Lippert, S., Renauld, D., Kuhnert, J., Kang, K.N., Ajayi, O., Halbich, M.U., Abdulmunem, O.M., Lin, X., Hassoon, K. and Edalati-Boostan, S. The Influence of the Substrate Material on the optical properties of Tungsten Diselendide Monolayers. In *CLEO: Science and Innovations* (pp. JTh2A-23). [Optical Society of America](#) (2017).

- 05/2017** Abdulmunem, O. M., Hassoon, K. I., Völkner, J., Mikulics, M., Gries, K. I., & Balzer, J. C. Photoconductive LT-GaAs Terahertz Antennas: Correlation Between Surface Quality and Emission Strength. [Journal of Infrared, Millimeter, and Terahertz Waves](#), 38(5), 574-582 (2017).
- 04/2017** Lai, Weien, Oday Mazin Abdulmunem, Pablo Del Pino, Beatriz Pelaz, Wolfgang J. Parak, Qian Zhang, and Huaiwu Zhang. "Enhanced Terahertz Radiation Generation of Photoconductive Antennas Based on Manganese Ferrite Nanoparticles." [ScientificReports](#) 7 (2017).
- 03/2017** Lippert, S., Schneider, L.M., Renaud, D., Kang, K.N., Ajayi, O., Kuhnert, J., Halbich, M.U., Abdulmunem, O.M., Lin, X., Hassoon, K. and Edalati-Boostan, S. Influence of the substrate material on the optical properties of tungsten diselenide monolayers. [2DMaterials](#), 4(2), p.025045 (2017).
- 12/2016** Abdulmunem, Oday Mazin, Norman Born, Martin Mikulics, Jan Christof Balzer, Martin Koch, and Sascha Preu. "High accuracy terahertz time-domain system for reliable characterization of photoconducting antennas." [Microwave and Optical Technology Letters](#) 59(2), 468-472 (2016).
- 06/2016** A. M. Abdul-Munaim, M. Reuter, Oday Mazin Abdulmunem, J. C. Balzer, M. Koch, D. G. Watson, "Using Terahertz Time-Domain Spectroscopy to Discriminate Among Water Contamination Levels in Diesel Engine Oil", [J.ASABE](#), Vol. 59(3): 795-801 (2016).
- 03/2016** Oday Mazin Abdulmunem, Norman Born, Martin Mikulice, J. C. Balzer, Martin Koch, "Influence of the growth temperature on LT-GaAs photoconductive antennas for THz generation, DPG Conference 8. March (2016).
- 11/2012** Rafed A. Ali ,Oday Mazin Abdul-Munem,Ahmed Naji Abd, "Study the spectroscopic characteristics of Rhodamine B Dye in Ethanol and Methanol mixture and Calculation the Quantum Efficiency", [J.ofBaghdadforscience](#), Vol 9(2), 352-358 (2012).

- 05/2012 Ali, R. A., O. M. AbdulMunem, and S. R. Salim. "Spectral Study of the Pollutants (Gelbstoff) in Water Liquefaction of Some areas of Baghdad Province by Using the Technique of Raman, Flora." *Ibn AL-Haitham Journal For Pure and Applied Science*, 25(2), 191-199 (2012).
- 09/2011 Oday M.Abdul-Munem, Ahmed Naji Abd, Adnan Khalid ; "The studyof Spectroscopic properties and Determinate the quantum Efficiency for Coumarin dye (C-2)within DMSO solution and PMMA thin film", [Eng.and Technology Journal](#) Vol 29(13), 554-565 (2011).
- 04/2011 Oday Mazin Abdul-Munem; "Study the thermal properties and spectral molecule BH_2Cl ", [J. of Al-Nahrain University JournalForScience](#) (2011).
- 07/2010 Oday M.Abdul-Munem, Ahmed Naji Abd, Ali M.Abdul-Munaim,"Determination the performance for tow kind of Evaporative collingpads using in iraq", J.of college of Basic Education,No.16, pp 875-883 (2010).
- 05/2009 Oday M.Abdul-Munem, Ahmed Naji Abd, Haider Abdullah kadhum,"interaction of CO_2 Laser with water", [J.ofcollegeof Education](#) , No.3, pp 789-797 (2009).
- 03/2009 Oday M.Abdul-Munem, "Use the black body to generate thermoelectric voltage", J.of college of Education, No.1, pp 62-70 (2009).
- 09/2008 Oday M.Abdul-Munem, Ahmed Naji Abd, Haider Abdullah kadhum, "Effect the impurities of Materials on thermal Conductivity", J. of college of Basic Education, No.55, pp 141-160 (2008).
- 02/2008 Oday M.Abdul-Munem, "Effect of incident ray angle and optical lens on solar cell Performance", J.of college of Education,No.3, pp 61-72 (2008) .

Brief Biography

- I graduated Ph.D at Marburg University. I have completed my research that is related to the THz- TDS spectroscopy. I graduated in October 2017.

Education

Dr. rer. nat. DEGREE | OCTOBER 2017 | MARBURG UNIVERSITY

- **Major:** Physics Sciences
- **Minor:** [Terahertz Systems Technology](#)

MASTERS DEGREE | SEPTEMBER 2001 | MUSTANSIRIYAH UNIVERSITY ·

Major: Physics Sciences

- **Minor:** Optics Systems Technology

BACHELOR DEGREE | JUNE 1999 MUSTANSIRIYAH UNIVERSITY

- **Major:** Physics Sciences
- **Minor:** Laser

Experience

ASSISTANT PROFESSOR | COLLEGE OF SCIENCE | 2005 - 2019

- I served at the [University of Al- Mustansiriyah / College of Science](#) as an assistant professor that helps undergraduate students understand the theoretical concepts given in the theoretical lectures, and apply them mathematically in the classroom or practically in the field.

Skills

TEACHING

- Serving as assistant professor who teaches junior and senior students some classes related to physics optics at Mustansiriyah University / College of Science.

USING VARIOUS SOFTWARE

- IC³ Certificate.
- Adobe Photoshop , Blender. Inkscape.
- Imagine J.
- Office.
- Control Programing , Origin Program.
- LabView/ Basic.
- Math lab, Pythen language/ Basic.

LANGUAGES

- Arabic
- English
- Germany / BI

Interests:

Teaching, Research, Data analysis and Marketing of technology.

Publications

04/2018

L.M. Schneider, S. Lippert, J. Kuhnert, D. Renaud, K.N. Kang, O. Ajayi, M.-U. Halbich, O.M. Abdulmunem, X. Lin, K. Hassoon, S. Edalati-Boostan, Y.D. Kim, W. Heimbrodt, E.H. Yang, J.C. Hone, and A. Rahimi-Iman, [Semiconductors](#) 52, 565 (2018).

07/2017

Abdulmunem, Oday, Khaleel Hassoon, Mahmoud Gaafar, Arash Rahimi-Iman, Jan C. Balzer,. "TiN Nanoparticles for Enhanced THz Generation in TDS Systems." [Journal of Infrared, Millimeter, and Terahertz Waves](#), Volume 38(10), 1206–1214 (2017).

06/2017

Oday Abdulmunem, Khaleel Hassoon, Mahmoud Gaafar, Arash Rahimi-Iman, Jan C. Balzer, "TiN Nanoparticles for enhanced THz generation from LT-GaAs-based photoconductive antennas", SPIE Optics and Optoelectronics Conference, 10228-50 (2017).

- 05/2017** Schneider, L.M., Lippert, S., Renauld, D., Kuhnert, J., Kang, K.N., Ajayi, O., Halbich, M.U., Abdulmunem, O.M., Lin, X., Hassoon, K. and Edalati-Boostan, et al., "The Influence of the Substrate Material on the optical properties of Tungsten Diselendide Monolayers". In *CLEO: Science and Innovations* (pp. JTh2A-23). [Optical Society of America](#) (2017).
- 05/2017** Abdulmunem, O. M., Hassoon, K. I., Völkner, J., Mikulics, M., Gries, K. I., & Balzer, J. C. Photoconductive LT-GaAs Terahertz Antennas: Correlation Between Surface Quality and Emission Strength. [Journal of Infrared, Millimeter, and Terahertz Waves](#), 38(5), 574-582 (2017).
- 04/2017** Lai, Weien, Oday Mazin Abdulmunem, Pablo Del Pino, Beatriz Pelaz, Wolfgang J. Parak, Qian Zhang, and Huaiwu Zhang. "Enhanced Terahertz Radiation Generation of Photoconductive Antennas Based on Manganese Ferrite Nanoparticles." [Scientific Reports](#) 7 (2017).
- 03/2017** Lippert, S., Schneider, L.M., Renaud, D., Kang, K.N., Ajayi, O., Kuhnert, J., Halbich, M.U., Abdulmunem, O.M., Lin, X., Hassoon, K. and Edalati-Boostan, et al., "Influence of the substrate material on the optical properties of tungsten diselenide monolayers". [2D Materials](#), 4(2), p.025045 (2017).
- 12/2016** Abdulmunem, Oday Mazin, Norman Born, Martin Mikulics, Jan Christof Balzer, Martin Koch, and Sascha Preu. "High accuracy terahertz time-domain system for reliable characterization of photoconducting antennas." [Microwave and Optical Technology Letters](#) 59(2), 468-472 (2016).
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- 11/2012** Rafed A. Ali ,Oday Mazin Abdul-Munem,Ahmed Naji Abd, "Study the spectroscopic characteristics of Rhodamine B Dye in Ethanol and Methanol mixture and Calculation the Quantum Efficiency", [J. of Baghdad for science](#), Vol 9(2), 352-358 (2012).
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