



# Husam Rifaat Abed

## Contact

### Address

Baghdad, Iraq

### E-mail

[hussamrafat@yahoo.com](mailto:hussamrafat@yahoo.com)

### E-mail

[hussamrafat448@gmail.com](mailto:hussamrafat448@gmail.com)

## Additional Skills

- Microsoft word
- Microsoft excel
- Microsoft PowerPoint
- Computer skills

## Professional Summary

Dedicated secondary education teacher and lecturer at the university with over 8 years of experience in devising individualized curricula within state standards. Incorporates interdisciplinary knowledge in the classroom to engage students, strong knowledge of different teaching methodologies, and developing lesson plans.

## Work Experience

- International Peer-Reviewer for Scopus indexed journals and local journals. Reviewed more than 45 articles.
- Lecturer at the University of Mustansiriyah.
- Physics teacher.
- Researcher at Thin Film Lab. at the University of Mustansiriyah.
- Researcher at Laser Technology Lab. at University of Technology.
- Membership of QS ranking for Universities.

## Education

<b>University of Baghdad</b> <ul style="list-style-type: none"><li>• B.Sc. Department of Physics</li></ul>	2007-2011
<b>University of Mustansiriyah</b> <ul style="list-style-type: none"><li>• M.Sc. Department of Physics</li></ul>	2011-2014
<b>University of Mustansiriyah</b> <ul style="list-style-type: none"><li>• Ph.D. Department of Physics</li></ul>	2016-2020

## Languages

Arabic	— Very Good Command
English	— Very Good Command

## Websites, Social Links, Publications, and Courses

Websites and Social Links:

\*Publons: <https://publons.com/researcher/3495331/husam-r-abed/>

\*Research Gate: [https://www.researchgate.net/profile/Husam\\_Abed4](https://www.researchgate.net/profile/Husam_Abed4)

\*Google Scholar:

<https://scholar.google.com/citations?user=leKFyVUAAAAJ&hl=ar>

\*Academia: <https://minocw.academia.edu/HusamAbed>

-Publications:

\*Habubi, N. F., Ismail, R. A., Hamoudi, W. K., & Abid, H. R. (2015). Annealing time effect on nanostructured n-ZnO/p-Si heterojunction photodetector performance. *Surface Review and Letters*, 22(02), 1550027.

\*Alwan, Alwan M., Ali A. Yousif, and Husam R. Abed. "High sensitivity and fast response at the room temperature of SnO<sub>2</sub>: CuO/PSi nanostructures sandwich configuration NH<sub>3</sub> gas sensor." *AIP Conference Proceedings*. Vol. 2190. No. 1. AIP Publishing LLC, 2019.

\*Abed, Husam R., et al. "Efficient SnO<sub>2</sub>/CuO/porous silicon nanocomposites structure for NH<sub>3</sub> gas sensing by incorporating CuO nanoparticles." *Optical and Quantum Electronics* 51.10 (2019): 1-13.

\*Yousif, Ali A., Alwan M. Alwan, and Husam R. Abed. "Optimizing of macro porous silicon morphology for creation of SnO<sub>2</sub>/CuO nanoparticles." *AIP Conference Proceedings*. Vol. 2213. No. 1. AIP Publishing LLC, 2020.

\*Abed, Husam R., et al. "Efficient, fast response, and low cost sensor for NH<sub>3</sub> gas molecules based on SnO<sub>2</sub>: CuO/macroPSi nanocomposites." *Applied Physics A* 126.11 (2020): 1-15.

\*Alwan, Alwan M., Husam R. Abed, and Ali A. Yousif. "Effect of the Deposition Temperature on Ammonia Gas Sensing Based on SnO<sub>2</sub>/Porous Silicon." *Plasmonics* (2020): 1-9.

-Courses:

\*Academic Peer-Review.

\*Teaching Methods at the University of Technology.

\*Corona Virus at Alison.

\*Lessons Learned from Around the World in Dealing with COVID-19 at Harvard Medical School.

\*Proofreading and Paraphrasing in Academic Writing at the University of Kirkuk.

\*COVID-19: Operational Planning Guidelines and COVID-19 Partners Platform to support country preparedness and response at World Health Organization.