

Curriculum Vitae (CV)

Full Name

Mustafa Muhammad Fadel Muhammad

Personal Information:

Academic Rank: lecturer

Department: Basic Science

Specialization: Physics

Position: Basic science Department, Higher Technological Institute

Google Scholar: [Dr. Mustafa Fadel - Google](#) [الباحث العلمي من Google](#)

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Education:

Degree	Discipline	Institution	Year
Ph.D.	Solid State Physics	Zagazig University	2018
M.Sc.	Solid State Physics	Zagazig University	2014
B.Sc.	Physics	Ain Shams University	2001

Research interests:

- Material Science
- Solid state physics

Publications:

1. Microstructure, creep deformation behavior and reliability of Sn-6.5 wt% Zn-0.3 wt% Cu lead free solder after Bi additions. EH El-Khawas, MM Fadel. Arab Journal of Nuclear Sciences and Applications 52 (2), 103-111 2019
2. The doping of SZC solders with bismuth to improve their thermal and tensile characteristics for microelectronic applications. AM Deghady, MM Fadel, EA Eid. Journal of Materials Science: Materials in Electronics 33 (8), 4831-4846

Teaching Experience:

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| • Demonstrator at Basic Science Department, Faculty of Industrial Education, Ain Shams University. | 2001-2002 |
| • Demonstrator at Basic Science Department, Faculty of Engineering, Benha University [Part time] | 2002 -2003 |
| • Demonstrator at Basic Science Department, Modern Academy for Engineering and Technology. | 2003 -2007 |
| • Demonstrator at Basics Science Department, Higher Technological Institute 10th of Ramadan City. | 2009 -2014 |
| • Teaching Assistant, Basic Science Department, Higher Technological Institute 10th of Ramadan City. | 2014–2018 |
| • Lecturer of physics, Basic Science Department, Higher Technological Institute 10th of Ramadan City. | 2018-till now |

Courses taught:

- Properties of matter, Heat and Thermodynamics.
- Electricity, Magnetism and Optics.
- Modern physics and Material Science.
- Quantum physics.

Work Experience:

- Head of the Basics Science Department Control in Higher Technological Institute.
- Head of the Architectural Department Control in Higher Technological Institute.
- Member on the equivalency committee in Higher Technological Institute.
- Chairman of the Committee for the Development of Physics Laboratories in Higher Technological Institute
- Member of the Quality Committee of the Higher Technological Institute.
- Involved in some administrative, academic activities, control works.
- Teaching and assisting in the delivery of academic and experimental education courses for Undergraduates.
- Advises students about professional opportunities and research topics.
- Advises students about their academic and career goals.
- Communicate with colleagues about the needs of the department.
- Published articles based on physical experimental research.
- Writing instructional materials for undergraduate physics classes.

