

Curriculum Vitae (CV)

Full Name

Mustafa Muhammad Fadel Muhammad

Personal Information:

Academic Rank: Assistant Professor

Department: Basic Science

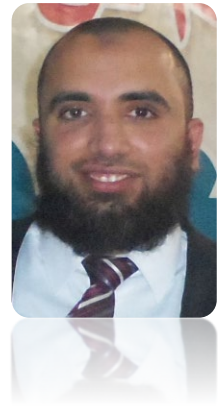
Specialization: Physics

Position: Basic science Department, Higher Technological Institute

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

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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:

- 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

Higher Technological Institute

10th of Ramadan City



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- Teacher Assistant, Basic Science Department, Higher Technological Institute 10th of Ramadan City. 2014–2018
 - Teacher 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.