



Islam Hamada Lotfy Mohamed

“Physics lecturer”

Skills

- Communication skills



- Organization skills



- English



- Microsoft office



- photoshop



Achievements

- Wrote and co-wrote my Ph.D. research.
- Trained many students to participate in scientific competitions in Saudi Arabia.
- I was promoted to assistant trainer in iDiscover program in Riyadh, 2014.
- Contributed to the development of the production planning department at EGYPEL Glass Company.

Interests

- Drawing.
- Photography.
- Reading.

Contact



10th of Ramadan city.



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Profile

I am an enthusiast, self-motivated, reliable, responsible, and hard-working person. I am a mature team worker who is adaptable to all challenging situations. I can work well both in a team environment and on my own initiative. I can work well under pressure and adhere to strict deadlines.

Experience

- Freelancer, 2019-present.
 - Higher technological institute in 10th of Ramadan city.
Teaching assistant, 2018-2019.
 - Higher Institute of Engineering and Technology in Al-Obour.
Teaching assistant, 2017-2018.
 - Al Byariq schools in Saudi Arabia.
Physics teacher, 2013-2015
Evaluation of last 3-years: Excellent.
Job duties for the previous experiences:
 - 1- Explain the curriculum.
 - 2- Solve exercises with students.
 - 3- Follow-up students who defaulted.
 - 4- Office work such as “correcting exams and student level control”.
 - Egpel International in 10th of Ramadan city.
Production & Planning engineer, 2010 – 2013.
Job duties:
 - 1- Production planning.
 - 2- Follow up on the quality of the raw material and finished product.
 - 3- Reporting to the manager.
 - 4- Production following-up.
 - Reserve officer, 2007-2010.
- ## Education
- Ph.D. of solid-state physics - Suez Canal University, 2023.
 - MSc of nuclear physics – Zagazig University, 2015.
 - Pre-master in nuclear physics – Zagazig University, V. good, 2013.
 - BSc of Science, Math and Physics department, faculty of science, Zagazig University, Good, 2007.

Published research.

- 1- “Robust effects of In, Fe, and Co additions on microstructures, thermal, and mechanical properties of hypoeutectic Sn–Zn-based lead-free solder alloy”, *Journal of Materials Science: Materials in Electronics*, 2023.
Authors: AM El-Taher, SA Mansour, **IH Lotfy**.
- 2- “The dynamic and static mechanical characteristics of Sn-7Zn-based solder alloy modified with microalloying of In, Fe and Co elements”, *Journal of Materials Science: Materials in Electronics*, 2022.
Authors: **IH Lotfy**, SA Mansour, AM El-Taher.
- 3- “Analysis of the natural activities of radionuclides, heavy metals, and other poisonous elements in lead-free Sn–6.5 Zn solders with different alloying elements”, *Journal of Taibah University for Science*, 2016.
Authors: Nassief A Mansour, Abdallah F Saad, Abd El-Rahman A El-Daly, Safwat Salama, Hassan Hashem, Hassan M Abd-Elmoniem, **Islam H Lotfy**.
- 4- “Robust effects of Bi doping on microstructure development and mechanical properties of hypoeutectic Sn–6.5 Zn solder alloy”, *Journal of Materials Science: Materials in Electronics*, 2016.
Authors: AA El-Daly, HA Hashem, N Radwan, F El-Tantawy, TR Dalloul, NA Mansour, HM Abd-Elmoniem, **EH Lotfy**.
- 5- “The effect of undercooling on the microstructure and tensile properties of hypoeutectic Sn–6.5 Zn–xCu Pb-free solders”, *Journal of Materials & Design*, 2015.
Authors: AA El-Daly, WM Desoky, AF Saad, NA Mansour, **EH Lotfy**, HM Abd-Elmoniem, H Hashem.

Total citation: 51-scopus.



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Courses and Training

Duration	Program name		Training supervisor	Date
3 Months	English coarse	Trainee	Cairo - Egypt	2019
12h	Curriculum developments	Trainee	Al Rawaby Educational supervision – Riyadh “Saudi Arabia”	November - 2014
1w	I Discover	Trainer	Aramco company & Ministry of education	May - 2014
24h	I Discover	Trainee	Aramco company & Ministry of education	April - 2014
2w	Production planning	Trainee	Ceramica Cleopatra company	April - 2010
2w	Quality control	Trainee	Mac plast company	April - 2010
1 Month	Production engineering	Trainee	Abo-Za’bal for chemical industries	April - 2010