

Curriculum Vitae (CV)

Full Name

Tarek Ezzat Ibrahim Moussa Nassar



Personal Information:

Academic Rank: Assistant Professor (**Associate Professor**)

Department: Basic Science

Specialization: Mathematics (*Applied Mathematics*)

Position: Basic science Department, Higher Technological Institute

Google Scholar: <https://scholar.google.com/citations?hl=en&user=F4hbvQ0AAAAJ>

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Education:

Degree	Discipline	Institution	Year
Ph.D.	Applied Mathematics	Zagazig University	2015
M.Sc.	Applied Mathematics	Zagazig University	2009
B.Sc.	Mathematics	Zagazig University	2001

Academic Experience:

Institution: Higher Technological Institute 10th of Ramadan city - Egypt

Rank: Assistant Professor

Dates: 2022

Institution: Higher Technological Institute 10th of Ramadan city - Egypt

Rank: Research Assistant (PhD student)

Dates: 2010-2015

Institution: Higher Technological Institute 10th of Ramadan city - Egypt

Rank: Teaching Assistant

Dates: 2003- 2009

Research interests:

- - Thermoelasticity, Photothermal
- - Mechanical Engineering

Publications:

- Nucleus–nucleus reaction cross sections for deformed nuclei, M Y M Hassan, M Y H Farag, A Y Abul-Magd and [T E I Nassar](#), Phys. Scr. 78 (2008) 045202 (6pp).
- Impact Excitations of Hydrogen Atoms in Collisions with Protons and Antiprotons, Reda S Tantawi and [T E I Nassar](#), CHIN. PHYS. LETT. Vol. 31, No. 8 (2014) 083402.
- Fully differential cross sections for ionization of H(2s) atoms by proton and antiproton impact, [T E I Nassar](#) and Reda S Tantawi, Phys. Scr. 90 (2015) 015402 (11pp).
- Ionization of hydrogen atoms by 75 keV proton and antiproton impacts, [T E I Nassar](#), Results in Physics 7 (2017) 2506–2511.
- Direct excitations of He⁺ and Li⁺⁺ ions by collisions with protons or antiprotons, Reda S Tantawi and [T E I Nassar](#), Iranian Journal of Physics Research, Vol. 17 No. 4, 2017.
- Differential cross sections for ionization of atomic hydrogen by proton impact, [T E I Nassar](#), Results in Physics 17 (2020) 103040.
- Ionization of Hydrogen-Like Atoms by Proton Impact, [T E I Nassar](#) and Reda S Tantawi, Brazilian Journal of Physics 51, 369–375 (2021).
- Ionization of H(2p) atom by 30 keV proton and antiproton impact, [T E I Nassar](#), Journal of Physics Communications 5 (2021) 095001.
- Differential cross sections for ionization of hydrogen-like atoms by proton and antiproton impact, [T E I Nassar](#) and Reda S Tantawi, European Physical Journal D (2022) 76:6.
- Magnetic field and moisture diffusivity effects on Photo-Elasto-Thermodiffusion waves in excited semiconductor materials, [Tarek E. I. Nassar](#), Merfat H. Raddadi · Khaled Lotfy. Silicon (2024) : <https://doi.org/10.1007/s12633-024-03042-4>.



Certifications or Professional Registrations:

Honors and Awards:

- Reviewer in the Journal of **European Physical Journal D (EPL D)**.
- Reviewer in the Journal of **The Journal of Physics Communications (IOP)**.
- Reviewer in the Journal of **The European Physical Letter (EPL)**
- Reviewer in the Journal of **The Canadian Journal of Physic(CSP)**
- Reviewer in the Journal of **The Jordan Journal of Physic (JJP)**

Teaching Experience:

- **Administrator** at Delta Academy – Mansoura- Egypt.
- **Assistant Lecturer** of Higher Technological Institute 10th of Ramadan city - Egypt.
- **Lecturer** of Higher Technological Institute 10th of Ramadan city- Egypt.
- **Assistant Professor** of Higher Technological Institute 10th of Ramadan city- Egypt.

Courses taught

- - Teaching a lot of courses of Mathematics as: Calculus - Advanced Calculus – Vector Calculus-Differential Equations - Numerical Analysis - Complex Analysis- Discrete and Interactive Mathematics
- - Teaching a lot of courses of Statistics such as: Statistic and Probability
- -Teaching a lot of courses of applied mathematics as : Statistical Mechanics- Classical Mechanics