

Academic Curriculum Vitae



Personal Information:

Full Name: Glara Fuad Hasan

Academic Title: Lecturer

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Education:

B.Sc. (2006 – 2010) in Physics – Department of Physics, College of Education, University of Salahadin Erbil – Iraq.

M.Sc. (2012 – 2014) in Physics – Department of Physics, College of Education, University of Salahadin Erbil – Iraq.

P.hD. (2018-2022) in Physics – Department of Physics, College of Education, University of Salahadin Erbil – Iraq and University of Milan-Italy

Employment:

Assistant researcher(2008 – 2012)

General Physics Lab. (1st year), Electricity and Magnetic Lab. (1st year), Mechanics and properties of matter Lab. (1st year), Electricity and Magnetic Lab. (2nd year), Optics lab. (2nd year), Illustration Lab (4th year).

Assistant Lecture(2014-2016)

Mechanics and Properties of matter Lab. (1 st year), Optic Lab (2 nd year)

Assistant Lecture(2016-2018)

Computer lab. (1 st year), MATLAB Lab. (2 nd year), Illustration Lab (4 th year), Electricity and Magnetic Lab. (2 nd year).

Lecture(2021-2023)

Vice of the head department of physics, Salahaddin University, Erbil.
Modern physics (3rd year)

Qualifications

- Ph.D. (Medical Physics),2022.
- MSc (Electromagnetic shielding Engineering), 2013.

Teaching experience:

1. Computer lab. (Undergraduate)
2. Advanced Electricity Lab (Undergraduate).
3. MATLAB Lab. (Undergraduate)
4. Illustration Lab (Undergraduate)
5. Electricity and Magnetic Lab. (Undergraduate)
6. Nuclear Physics Lab (Undergraduate).
7. Modern Physics Lab (Undergraduate).
8. Mechanics and Properties of matter Lab. (Undergraduate)
9. Optic Lab (Undergraduate)
10. Advising nearly 25 projects of BSc students.

Research and publications

Hasan, Gelara F., and Sattar O. Hasan. "Optimization of 90 and 120 dB-Shielding Effectiveness for Plane Electromagnetic Waves at Center Frequencies (3 and 3000) MHz." *Zanco Journal of Pure and Applied Sciences* 28, no. 2 (2016).

Hasan, Gelara F., and Sattar O. Hasan. "Effective electromagnetic shielding for Global System for Mobile Communication." *Zanco Journal of Pure and Applied Sciences* 32, no. 1 (2017).

Bianchi, F., G. Harki, F. Groppi, and S. Manenti. "Cross-Section measurements for the Reaction $\text{natCr} (d, x) {}^{52}\text{g, cumMn}$: Preliminary Results." (2019): 151-152.

Francesca, B., H. Glara, G. Flavia, and S. Manenti. "Cross-section for the reaction $\text{natCr} (d, x) {}^{52}\text{g, cum Mn}$." In *Congresso Nazionale della Società Italiana di Fisica*, pp. 203-203. Società Italiana di Fisica-SIF, 2019.

Bianchi, Francesca, Claudio Marchi, Glara Fuad, Flavia Groppi, Férid Haddad, Luca Magagnin, and Simone Manenti. "On the production of ${}^{52}\text{gMn}$ by deuteron irradiation on natural chromium and its radionuclidic purity." *Applied Radiation and Isotopes* 166 (2020): 109329.

Manenti, S., F. Bianchi, G. Hassan Harki, and F. Groppi Garlandini. "Excitation function measurements for MN-52 production by deuteron beams irradiation for theranostic applications." In *ICI: International Conference on Isotopes*. 2020.

Groppi Garlandini, F., G. Harki, E. Sabbioni, and S. Manenti. "Radionuclides for theranostic

applications." In Congresso Nazionale SIF, pp. 74-74. Società Italiana di Fisica, 2020.

Groppi Garlandini, F., A. Bazzocchi, F. Bianchi, G. Harki, E. Sabbioni, and S. Manenti. "Health physics and dissemination of scientific culture at Milano University and INFN, Italy: Radiolab Summer School." In ICI: International Conference on Isotopes. 2020.

Hasan, Glara, Edrees Nury, Francesca Bianchi, Simone Manenti, and Flavia Groppi. "Theoretical cross-sections of deuteron-induced reaction on natural chromium by EMPIRE code for the production of ^{52}Mn , ^{54}Mn , ^{51}Cr and ^{48}V ." Radiation Effects and Defects in Solids 176, no. 11-12

(2021): 983-994.

Groppi Garlandini, F., Bazzocchi, A., Bianchi, F., Harki, G., Sabbioni, E. and Manenti, S., 2020. Health physics and dissemination of scientific culture at Milano University and INFN, Italy: Radiolab Summer School. In ICI: International Conference on Isotopes.

Hasan, G., Nury, E., Bianchi, F., Manenti, S. and Groppi, F., 2021. Theoretical cross-sections of deuteron-induced reaction on natural chromium by EMPIRE code for the production of ^{52}Mn , ^{54}Mn , ^{51}Cr and ^{48}V . Radiation Effects and Defects in Solids, 176(11-12), pp.983-994.

Hasan, Glara Fuad, Edrees Muhammad-Tahir Nury, and Flavia Groppi. "Evaluation of cross-section data for radionuclides used in positron emission tomography by effects of level density models using EMPIRE 3.2. 2 code." Nuclear Physics and Atomic Energy 22, no. 3 (2021): 237-242.

Hasan, Glara Fuad, Edrees Muhammad-Tahir Nury, and Flavia Groppi. " Computation of Cross-Section by Effects of Theoretical Parameters Code for Production of ^{52}Mn Radioisotope." AL-Yarmouk Journal, 14, no. 1 (2022)

Conferences and courses attended

participated in and completed online the Joint ICTP-IAEA International School on the Physical Basis for Radionuclide Migration (Storage, disposal and contaminated sites) 07 - 11 November 2022

participated in Canadian Business Academy (Health, Safety and environment (HSE)) 30 oct 2022, 02, November 2022

attendance of training course (Academic Education in the field of Renewable Energies) 27 November to 1 December 2022.

Funding and academic awards

- List any bursaries, scholarships, travel grants or other sources of funding that you were awarded for research projects or to attend meetings or conferences.

Professional memberships

- Kurdistan Teacher Syndicate.

- Kurdistan Physicist Syndicate.
- Kurdish women union
- Iraqi Medical Physics Society (IMPS).
- Associazione Italiana Fisica Medica (AIFM).
- International Center for Theoretical Physics (ICTP).

Professional Social Network Accounts:

<https://www.researchgate.net/profile/Glara-Hasan>
<https://www.linkedin.com/in/gelara-hassan-a44274124/>
[Glara Fuad Hasan \(0000-0002-6477-2814\) \(orcid.org\)](https://orcid.org/0000-0002-6477-2814)