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Education

1972-1976 El-Fateh University, Tripoli, Libya.

BSc. (1) Physics. (2) Math

1984-1989 Central research Institute, Budapest, Hungary.

PhD. Radiation physics 30-6-1989

Central research Institute for physics, Hungarian Academy of sciences, Budapest, Hungary.

University Doctor Etovos Lorand University physics department, *Budapest, Hungary*

Professional Experience

- 1978-1983 Researcher Asst. Neutron Activation Analysis Dept.
- 1983-1984 Head of Neutron Activation Analysis Dept.
- 1989-1993 Researcher in the Neutron Activation Analysis Dept.
- 1993-1994 Head of Neutron Activation Analysis Dept.
- 1995-1996 Head of the physics Dept.
- 1996 Researcher in the Nuclear physic Lab. And a member of the Scientific committee of TNRC.
- 1989-2004 Lecturer in EL-Fateh University.
- 2006-2007 Head of the scientific committee of the Renewable Energies and Water Desalination Research Center.
- 2008- Lecturer in Academy of Graduate Studies, Tripoli-Libya, School of Basic Sciences Department of physics .

Publications

See Attached paper please. (23 papers)

Tajoura Nuclear Research Center.
Physics Department.
Dr. Ayoub Elbarouni .

Publications and conferences:-

- 1) Determination of uranium and thorium in geological samples by means of delayed fission neutrons after (14) MeV neutron activation, proceedings of the seminar of research in fundamental and applied sciences Tajura,Libya, September [1984].
- 2) Preliminary study on the analytical application of characteristic X-rays induced by 14 Me V neutrons, J. Radioanal.Nucl. Chem., Letters Vol.126, No.6, (1988).
- 3) Characteristic X-rays measurement after neutron activation Pecs, Hungary (1988).
- 4) Reactor neutron activation analysis based on characteristic X- ray spectrometry .J. Radioanal. Nucl. Chem., Letters Vol. 128, No. 3, (1988).
- 5) Elimination of interelement effects in the determination of bromine by 14MeV neutron activation analysis based on characteristic X-rays measurements, J. Radioanal . Nucl. Chem, Letters , Vol. 128, No. 3, (1988).
- 6) Simultaneous determination of three components by X- rays spectrometry after 14 MeV neutron activation, J. Radioanal. Nucl . Chem. Letters Vol. 128 , No. 6, (1988).
- 7) Application of reactor NAA followed by characteristic X- ray spectrometry , Radional.Nucl. Chem., articles, Vol.131, No. 2, (1989).
- 8) A method for corrections of matrix effects in neutron activation analysis based on characteristic X- ray measurements, J. Radioanal , Nucl . Chem., articles, Vol.131, No. 2 (1989).
- 9) Enhancement effect in 14 MeV neutron activation based on X-ray spectrometry, J. Radioanal. Nucl. Chem., Letters., Vol. 136, No. 1, (1989).
- 10) Simultaneous determination of four components by X- ray spectrometry after 14 MeV neutron activation , J. Radioanal. Nucl. Chem. Letters, Vol. 136, No. 1, (1989).
- 11) 14 MeV neutron activation analysis of ternary copper silver selenide by X- ray and gamma-ray spectrometry J. Radioanal. Nucl. Chem., Letters, Vol. 136, No. 2 (1989).
- 12) Internal standard method utilized for 14 MeV neutron induced characteristic X- ray emission analysis , J. Radioanal. Nucl. Chem., Articles, Vol. 130, (1989).

13) 14 MeV neutron activation analysis of indium antimonide alloy 8 international conference in modern trends in activation analyses, Vienna, Sept. (1991).

14) Epithermal NAA for low energy spectrometry Third international conference on nuclear and radio chemistry, Vienna, Sept. (1992).

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15) The nuclear structure of Yb Fifth arab conference on the peaceful uses of atomic energy, Beirut, 13-17/11/2000.

16) Production of 3 MeV neutrons, sixth arab conference, Cairo 14-18 Dec. 2002.

17) Prompt radiation activation analysis .

I) Theoretical study .

AL-NAWAH, Vol. 5, No. 6 (2004).

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18) High Spin states in Hf.

المؤتمر العربي السادس للاستخدامات السلمية للطاقة الذرية القاهاه /مصر (18-14) ديسمبر 2002 ف.

19) Prompt Radiation activation analysis (II) prompt X- rays and low

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energy γ - rays emitted from Bi during fast neutron activation. AL-NAWAH, Vol. 6, No. 8,(2006).

20) Evaluation of K internal conversion coefficients of prompt

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electromagnetic transitions of Bi. AL-NAWAH, Vol.7, No. 9, (2007).

21) Systematic of Lifetimes in 160, 162, 164, 166, 168, Yb, proceedings of the seventh Arab conference on the peaceful uses of atomic energy, Sanaa, Yemen, 4-8 Dec. (2004).

22) Systematic studies of low Lying Levels of even- even Cd- Ba and Ce Nuclei, proceedings of the seventh Arab Conference on the peaceful uses of atomic energy, Sanaa, Yemen, 4-8 Dec (2004).

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23) The IBM-2 Calculations for even-even Cd Isotopes, proceeding of the Eighth Arab Conference on the peaceful uses of atomic energy ,Amman , Jordan , 14-19 Dec (2006).