

CONFERENCE PRESENTATIONS (listed from the most recent)

1. *"Enhancement of sensitivities of 14 MeV neutron activation analysis at KFUPM"*
A. Aksoy
3rd International IMS Conference On: Applications of Traditional and High Performance Materials in Harsh Environments"
January 23-24 (2008), American University of Sharjah, UAE
2. *"Sensitivities of short- lived Radioisotopes of $T < 10$ min by Neutron activation analysis technique at KFUPM"*
A, Aksoy
3rd Saudi Science Conference, New Horizons in Science and their Applications, March 10-13 (2007), KSU, Riyadh, Saudi Arabia
3. *"A Nondestructive Testing: Natural Gamma-Rays Spectroscopy"*
A. Aksoy
2nd International IMS Conference On: Applications of Traditional and High Performance Materials in Harsh Environments"
March 20-21 (2006), American University of Sharjah, UAE
4. *"Neutron activation analysis facility at KFUPM"*
A, Aksoy
2nd Scientific Meeting of Saudi Physical Society
"Physics between theory and practice in Kingdom of Saudi Arabia",
November 22-24 (2005), Umm Al-Qura Univ., Makkah, Saudi Arabia
5. *"Gamma ray peak detection algorithms using embedded DSP"*
M. W. Raad, J. M. Noras, M. Shafiq and A. Aksoy
Proceedings of First UK Embedded Forum, A. Koelmans, A. Bystrov, M. Pont (Editors), National Exhibition Centre,
13th/14th October, 2004, Birmingham, UK
6. *"Correlation of Radon Exhalation from Granites and Radium Content"*
M.I.Al-Jarallah , A. Aksoy, Fazal-ur-Rehman and M.S. Musazay
2nd Saudi Science Conference, Session 3, King Abdulaziz Univ., Jeddah,
15-17 March 2004.
7. *"Measurements of Natural Radioactivity in the Scale Samples"*
A. Aksoy and M. Al-Jarallah
Fourth Speciality Conference on Environmental Progress in the Petroleum & Petrochemical Industries, Session 3C, Manama, Bahrain,
23-25 February 2004.
8. *"Determination of vanadium contamination in catalysts by thermal neutron activation analysis at KFUPM"*

A. Aksoy, F. Z. Khiari and R. M. Nassar
Petrotech 2001, The 3rd Middle East Refining and Petrochemicals Conference Proceeding, PN-71, Manama, Bahrain, 29-31 October 2001

9. *“Study of elemental analysis of catalysts by neutron activation spectrometry”*
A. Aksoy, F. Z. Khiari, M. Al-Ohali and J. A. Anabtawi
1st Saudi Science Conference Proceedings, Physics, Vol. 2, 167-178,
King Fahd University of Petroleum & Minerals, Dhahran, April 9-11, 2001
10. *“Backangle anomaly in the scattering of alpha particles from ²⁸Si and ³²S”*
A. Coban, F. Z. Khiari, M. S. Abdulmonem, A. Aksoy and A. A. Naqvi
1st Saudi Science Conference Proceedings, Physics, Vol. 2, 81-91,
King Fahd University of Petroleum & Minerals, Dhahran, April 9-11, 2001
11. *“Sensitivities of 14 MeV neutron activation analysis at KFUPM”*
A. Aksoy (Invited Speaker), F. Z. Khiari and M. N. Al-Haddad,
16th International Conference on the Application of Accelerators in Research & Industry,
Univ. of North Texas, Denton, Texas, U.S.A., Nov. 1-4, 2000, FB4
12. *“Trace analysis of Vanadium using Accelerator-Based Slow Neutrons”*
F. Z. Khiari, A. Aksoy, R. Nassar, and M. N. Nagadi
16th International Conference on the Application of Accelerators in Research & Industry,
Univ. of North Texas, Denton, Texas, U.S.A., Nov. 1-4, 2000, PD12
13. *“Non-destructive elemental analysis of Ni/W/Mo based catalyst samples by accelerator based fast and slow neutrons”*
A. Aksoy, M. Al-Ohali and J. A. Anabtawi,
10th International Conference on Modern Trends in Neutron Activation Analysis, MTAA-10, Log No. 77, p.171,
NIST, Gaithersburg, Maryland, U.S.A., April 19-23, 1999
14. *“Industrial Applications using 14 MeV neutrons at KFUPM”*
A. Aksoy (Invited Speaker), F. Z. Khiari and M. N. Al-Haddad
The Proceedings of the 15th International Conference on Application of Accelerators in Research and Industry, The American Institute of Physics (AIP) Conference Proceedings 475 (1999) 710-713, Woodbury, New York, U.S.A.
15. *“Vanadium determination in phosphorite samples using accelerator-based slow neutrons”*
F. Z. Khiari, A. Aksoy, W. S. Matter and Z. R. El-Naggar
15th International Conference on the Application of Accelerators in Research & Industry,
Univ. of North Texas, Denton, Texas, U.S.A., Nov. 4-7, 1998, PB31
16. *“Setup for the elemental analysis of coins using accelerator-based slow neutrons”*
F. Z. Khiari, A. Aksoy, M. N. Al-Haddad

15th International Conference on the Application of Accelerators in Research & Industry,
Univ. of North Texas, Denton, Texas, U.S.A., Nov. 4-7, 1998, PB32

17. *"Analysis of soil samples from Saudi Arabia using neutron activation spectrometry"*
A. Aksoy, F. Z. Khiari and N. A. Al-Shayea
8th Congress of International Association of Engineering Geology and the Environment,
Vancouver, British Columbia, Canada, September 21-25, 1998
18. *"Non-destructive elemental analyses using neutron activation analysis technique"*
A. Aksoy, F. Z. Khiari and M. N. Al-Haddad,
Saudi-French Workshop on Recent Developments in Materials and Modeling, KFUPM, November 11-13, 1997
19. *"Elemental analysis of fertilizers by accelerator based slow neutrons"*
A. Aksoy, F. Z. Khiari and M. Al-Haddad,
14th International Conference on the Application of Accelerators in Research & Industry,
Univ. of North Texas, Denton, Texas, U.S.A., Nov. 6-9, 1996, PB28
20. *"Measurement of energy distribution of 14 MeV neutrons using foil activation method"*
A. Aksoy, A. A. Naqvi, F. Z. Khiari, H. Al-Juwair and A. Coban,
14th International Conference on the Application of Accelerators in Research & Industry,
Univ. of North Texas, Denton, Texas, U.S.A., Nov. 6-9, 1996, PB45
21. *"Flux normalization issues in accelerator-based neutron activation analysis"*
F. Z. Khiari and A. Aksoy,
14th International Conference on the Application of Accelerators in Research & Industry, Univ. of North Texas, Denton, Texas, U.S.A., Nov. 6-9, 1996, PB48
22. *"Accelerator-based slow-neutrons at KFUPM"*
F. Z. Khiari, A. Aksoy and M. N. Al-Haddad,
14th International Conference on the Application of Accelerators in Research & Industry,
Univ. of North Texas, Denton, Texas, U.S.A., Nov. 6-9, 1996, PC12
23. *"³He and ²H targets for nuclear reaction studies"*
A. A. Naqvi, A. Aksoy, M. A. Al-Ohali, O. Fageeha, S. Kidwai, M. M. Nagadi
and M. Raashid,
14th International Conference on the Application of Accelerators in Research & Industry,
Univ. of North Texas, Denton, Texas, U.S.A., Nov. 6-9, 1996, PC29

24. *"Determination of the neutron detection efficiency of an NE213 scintillator from 2.5 to 16 MeV using $^2\text{H}(d,n)^3\text{He}$ reaction"*
M. A. Al-Ohali, **A. Aksoy** and A. Coban,
(Energy Research Lab., KFUPM, Dhahran, Saudi Arabia)
J. M. Hanly, P.D. Felsher, C. R. Howell, L. Lowie, W. Tornow, P. Salinas,
and R. L. Walter, (Duke Univ. Triangle Universities Nucl. Lab.,
Durham, North Carolina, U.S.A.)
**14th International Conference on the Application of Accelerators in
Research & Industry**, Univ. of North Texas, Denton, Texas, U.S.A., Nov. 6-9, 1996,
PC38
25. *"Risk assessments of natural gamma rays in building materials"*
M.N. Al-Haddad, **A. Aksoy** and F.Z. Khiari,
3rd Safety and Occupational Health Conference Proceedings,
25-30 May 1996, Chamber of Commerce & Industry, Dammam, Saudi
Arabia
26. *"Transformation Function for the efficiencies of HPGe detector from far
to close geometries"*
A. Aksoy (Invited Speaker)
**13th International Conference on the Application of Accelerators in
Research & Industry**, UNT, Denton, Texas, U.S.A., Nov. 7-10, 1994,
BC4
27. *"Elemental Analysis using Natural Gamma Ray Spectrometry"*
**Symposium on Radiation Measurements and Applications (8th in
series)**,
A. Aksoy, A. A. Naqvi, F. Z. Khiari, F. Abu-Jarad, M. Al-Ohali and
M. Sumani
University of Michigan, Ann Arbor, U.S.A., May 16-19, 1994, 3J16
28. *"Efficiency measurements of HPGe, GMX and NaI(Tl) detectors in
various geometries"*
A. Aksoy (Invited Speaker)
**12th International Conference on the Application of Accelerators in
Research & Industry**,
Univ. of North Texas, Denton, Texas, U.S.A., Nov. 2-5, 1992, FB6
29. *"KFUPM Fast Neutron Activation Facility"*
A. Aksoy, A. A. Naqvi, F. Z. Khiari, R. E. Abdel-Aal, M. Raashid, A.
Coban and
H. A. Al-Juwair
**12th International Conference on the Application of Accelerators in
Research & Industry**,
Univ. of North Texas, Denton, Texas, U.S.A., Nov. 2-5, 1992, PC64
30. *"A technique to measure the response function of an organic scintillator"*
A. A. Naqvi, F. Z. Khiari, **A. Aksoy**, A. Coban, M. A. Al-Jalal and M.
Raashid

12th International Conference on the Application of Accelerators in Research & Industry,

Univ. of North Texas, Denton, Texas, U.S.A., Nov. 2-5, 1992, PE49

31. *"Pulse height of organic scintillators for monoenergetic gamma rays"*
A. A. Naqvi, F. Z. Khiari, A. Coban, **A. Aksoy** and M. A. Al-Jalal
IEEE 1992 Nuclear Science Symposium,
Orlando, Florida, U.S.A., Oct. 25-31, 1992, Vol. 1., p.1
32. *"Measurement of light output of NE213 and NE102A detectors for 2.7-14.5 MeV neutrons"*
A. A. Naqvi, F. Z. Khiari, A. Coban, **A. Aksoy**, M. Abdulaziz Al-Jalal and M. Raashid
IEEE 1992 Nuclear Science Symposium,
Orlando, Florida, U.S.A., Oct. 25-31, 1992, Vol. 1., p.4
33. *"Efficiency calibration of HPGe detector in far and close geometries"*
A. Aksoy
8th International Conference on Modern Trends in Neutron Activation Analysis, MTAA-8,
Technical University, Vienna, Austria, Sept. 16-20, 1991, p. 165
34. *"Measurement of the absolute detection efficiency for a large volume neutron detector"*
J. M. Hanly, C. R. Howell, W. Tornow, P. D. Felsher, G. Weisel, M.A. Al-Ohali and R. L. Walter (*TUNL, Duke Univ. Durham, North Carolina, U.S.A.*)
A. Aksoy and A. Coban (*ERL, KFUPM, Dhahran, Saudi Arabia*)
American Physical Society 1988 Annual Meeting,
Santa Fe, New Mexico, U.S.A., Oct. 13-15, 1988,
The APS Bulletin Vol. 33, No. 8, p. 1577
35. *"The $^{31}\text{P}(\gamma, p)^{30}\text{Si}$ reaction in the GDR region"*
A. Aksoy, E. Kerkhove, E. Van Camp, D. Ryckbosch, R. Van de Vyer, P. Van Otten, P. Berkvens, and H. Ferdinande (*Ghent State Univ., Gent, Belgium*)
General Scientific Congress of Belgium Physics Society,
K.U.L. Leuven, Belgium, Jun. 4-5, 1981, N.P.-5
36. *"Photonuclear research activities"*
P. Berkvens, H. Ferdinande, E. Kerkhove, D. Ryckbosch, E. Van Camp, R. Van de Vyer, P. Van Otten, and **A. Aksoy** (*Ghent State Univ., Gent, Belgium*)
Gordon Research Conference on Photonuclear Reactions,
Tilton school, Tilton, New Hampshire, U.S.A., Aug. 18-22, 1980, p.2.