Laith Ahmed Najam

PhD. In Nuclear Physics

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Profile

Laith Najam currently works at the College of Sciences, University of Mosul. Their current project is 'Measuring the concentration of natural radioactivity elements in soil samples
in Nineveh province I have many published papers , Also I am Director-in-Charge of Rafidian Journal of Science Also i am the editorial board and the reviewer of different journals, some journals are indexes in Scoups

Employment History

Assistant lecture at University of Mosul, College of Science, Physics Dept., IRAQ
Dec. 1991-April 1997

Lecturer at University of Mosul, College of Science, Physics Dept., IRAQ
April 1997 – May 2001

Assist. Prof. at University of Mosul, College of Science, Physics Dept., IRAQ
2001-2012

Prof. Dr. at University of Mosul, College of Science, Physics Dept.
2012- till now

Education

Ph.D. In Nuclear Physics (2006) at University of Mosul, College of Science, Physics Dept., Ph.D. Title : The Fabrication of Nuclear Detectors From Semiconductor Materials

M.Sc. In Nuclear at University of Mosul, College of Science, Physics Dept. , (1990) . The title of Thesis is: A study of the decay Scheme and the Nuclear Structure of Dy-160

Bachelor of Science (B.Sc.), University of Mosul, College of Science, Physics Dept., IRAQ

October 1983 – July 1987, The first on the Physics Dept., the second of College

Courses

1) Nuclear Physics for the fourth class
2) Elementary particles for the third class
3) Nuclear reactors as selective subject for Fourth Class
4) Plasma Physics as selective subject for Fourth Class
5) Radioactive contamination as selective subject for Fourth Class
6) General Physics for First Class
7) Medical Physics For Student of Technical Student First Class
8) Radiation Physics For Student of Technical Student Fourth class
9) Advance Nuclear Physics for M.Sc. students
10) Detectors and interaction with radiation for Fourth class
11) Selective Subject (Neutron Physics) for Ph.D. Student
12) Environmental pollution for M.Sc. Students
13) Spectroscopy analysis for Ph.D. Students
14) Molecular Physics for Third Class

References

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Conferences

5th Kurdistan International Conference on Science and Technology (KCST-2019

ICAST2020 Organization Committee University of Kerbala

University of AL-HAMDANIYA
The first international scientific conference for pure and humanistic studies

7th ICAST at the
University of Kerbala, College of Science, 27 – 28 March 2019

Resent Publications

Hashim, A.K., Najam, L.A., Ashour, N.I., et al. Uranium Concentration, Effective Radium Content and Radon Exhalation Rate
Estimation for different Tea Brand Samples in Iraqi Market, Plant Archives Vol. 19 No. 1, 2019 pp. 407-412.

Abojassim, A.A., Mohammed, H.AU., Najam, L.A. et al. Uranium isotopes concentrations in surface water samples for Al-Manathera and Al-Heerra regions of An-Najaf, Iraq, Environ Earth Sci (2019) 78: 132. https://doi.org/10.1007/s12665-019-8134-2.

Hashim AK, Najam LA, Mohammed EJ, Hameed AS. Estimation of Radon Exhalation Rate, Radium Activity and Uranium Concentration in Biscuit Samples in Iraq. Iran J Med Phys 2019; 16: 152-157. 10.22038/ijmp.2018.32693.1394.

Hussain A. Al-Jobouri, Fala H. Taha, Laith Ahmed Najam and Wijdan Thamer Faaz, Determination the Effect of Gamma Radiation on (CR-39, CN-85) Detectors by Using of Penetration of (He-Ne) Laser Beam, Research Journal of Applied Sciences 14 (1): 45-48, 2019.

El-Taher A, Najam LA, Hussian I, Omer MAA. Evaluation of Natural Radionuclide content in Nile River Sediments and Excess Lifetime Cancer Risk Associated with Gamma Radiation. Iran J Med Phys 2019; 16: 27-33. 10.22038/ijmp.2018.30622.1351.

Hussain Ali Al-Jobouri, Wijdan Thamer Faaz, Laith A. Najam, Effect of Ultraviolet Radiation on CN-85 and CR-39 Detectors by UV-Visible Spectroscopy and (He-Ne) Laser Penetration Techniques, Asian Journal of Chemistry, Vol. 30, No. 9 (2018), 2075-2078, DOI: 10.14233/ajchem.2018.21435.

Laith A. Najam, Sameera A. Ebrahiem, Shaemaa A. Abbas Hind A. Mahdi, Assessment of Radon Gas Concentrations Levels and Radiation Hazards in the Dwellings of Baghdad Province, Iraq, Rasayan J. Chem., 2018, 11 (1), 37-40, DOI: 10.7324/RJC.2018.1111696.

Atef El-Taher, Laith Ahmed Najam, Afrah Hassoon Oraibi, Matthew Omoniyi Isinkaye, Effect of Cement Factory Exhaust on Radiological Contents of Surrounding Soil Samples in Assuit Province, Egypt, Journal of Physical Science, 2017, 28 (3), 137–150, DOI: 10.21315/jps2017.28.3.9.

Laith Ahmed Najam, Taghreed Khalid Hameed, Ahmed Obeed Farhan, Assessment of Radon Gad Concentrations Levels and Hazards Indices in Houses of Wassit Province-Iraq, Rasayan J. Chem., 2017, 10 (4), 1311-1315, DOI: 10.7324/RJC.2017.1041884.

Liath Ahmed Najam, Hazim Louis Mansour, Nada Fadhil Tawfiq, Mahmood Salim Karim, Measurement of Radon Gas Concentrations in Tap Water Samples for Thi-Qar Governorate Using Nuclear Track Detector (CR-39), Detection, 2016, 4, 1-8, 10.4236/detection.2016.41001.

Laith Ahmed Najam, Hazim Louis Mansour, Nada Fathil Tawfiq and Mahmood Salim Karim, Measurement of Radioactivity in Soil Samples for Selected Regions in Thi-Qar Governorate-Iraq, Journal of Radiation and Nuclear Applications, 2016, 1, 25-30.

Muataz A. Majeed, Ghasan Adnan Naeem, Laith Ahmed Najam, Attenuation of X-ray Fluorescence by Cadmium Compounds (CdSO4, CdCl2, CdO), International Journal of Advanced Research in Physical Science (IJARPS), Volume 3, Issue 8, 2016, PP 1-4.

Laith Ahmed Najam, Mahmood Salim Karim, Taghreed Khalid Hameed, Measurement of Radon Gas Concentration in Tap Water Samples in Wassit Governorate by Using Nuclear Track Detector (CR-39), International Journal of Physics, 2016, 4 (5), 119-122, DOI: 10.12691/ijp-4-5-1.

Ruqaya Jabir Hadi, Ali Abid Abojassim, Laith Najam, Radial Atomic Properties of Excited States for Beryllium Atom (1s2 2s ns) (1s), American Journal of Modern Energy, 2016, 2(1), 1-4, 10.11648/j.ajme.20160201.11.

Hussain A. Al-Jobouri, Laith Ahmed Najam, Mustafa Y. Rajab, Image Analysis of Cr-39 and Cn-85 Detector Irradiated by Thermal Neutron, International Journal of Recent Research and Review, Vol. IX, Issue 1, March 2016.

Laith Ahmed Najam, Abdalsattar Kareem Hashim, Hussein Abdulkareem Ahmed, Israa M. Hassan, Study the Attenuation Coefficient of Granite to Use It as Shields against Gamma Ray, Detection, 2016, 4, 33-39, 10.4236/detection.2016.42005.

Ammar A. Battawy, Nada F. Tawfiq, Laith Ahmed Najam, Mohamad Suhaimi Jaafar, Iskandar Shahrim Mustafa, Indoor Radon Concentration Measurement in Different Iraqi Radiation Locations, International Journal of Recent Research and Review, Vol. IX, Issue 1, March 2016.

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ABDALSATTAR KAREEM HASHIM, LAITH AHMED NAJAM, RAMLA D. AL-ALAWY, Effective Radium Content and Radon Flux Determination in Cereals and Legumes Iraqian Products, Estratto da: Atti della Fondazione Giorgio Ronchi, Anno LXX, n. 6 - 11-12, 2015, http ://ronchi.isti.cnr.it.

Abdalsattar Kareem Hashim, Laith Ahmed Najam, Lordford Tettey-Larbi, A Study of Radon Concentration in Different Brands Tobacco Cigarette in Iraqi Market, Influencing Factors and Lung Cancer Risk, International Journal of Science and Technology, Vol.5, Issue 10, 2015.

Abdalsattar K. Hashim1, Laith A. Najam2, Alpha Radioactivity in Various Brands of Rice in Iraqi Market, International Journal of Environmental Monitoring and Protection, 2015; 2(5): 70-75, Published online September 22, 2015 (http://www.openscienceonline.com/journal/ijemp).

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Saad N. Abood, Mohamed Bechir Ben Hamida, Laith A. Najim, Structure Evolution in Odd-Even Eu- 155 Nucleus within IBFM-2, American Journal of Modern Energy, 2015; 1(1): 17-24, Published online June 18, 2015. (http://www.sciencepublishinggroup.com/j/fhc) doi: 10.11648/j.ajme.20150101.12.

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A.A. Abojassim, L.A. Najam, D. Naji , T.A. Hussain, The effective radium content and radon exhalation rate in hair dyes samples, International Journal of Radiation Research, April 2017.