

PUBLICATIONS

Papers in Refereed Journals

A- Refereed Journal Papers:

1. H. Al-Ghamdi, Fazal-ur-Rehman, **M. I. Al-Jarallah**, and N. Maalej, "Photoneutron Intensity Variation with Filed Size around Radiotherapy Linear Accelerator 18-MeV X-ray Beam". Accepted. Radiation Measurements.
2. Khalid Abdalla, **M. I. Al-Jarallah** and Fazal-ur-Rehman, "Comparative Study of short and long term Indoor Radon Measurements in KFUPM Buildings, Dhahran – SaudiArabia". Accepted. Radiation Measurements.
3. **M.I. Al-Jarallah** and Fazal-ur-Rehman "Indoor Radon Concentration Measurement in the Dwellings of Al-Jauf Region of Saudi Arabia", Accepted.
4. **Al-Jarallah, M.I.** and Fazal-ur-Rehman "Anomalous Radon Concentration in a Dwelling in Qatif City of S.A" Radiat. Prot. Dosim, 117/4, (2005) 408-413.
5. Fazal-ur-Rehman,**M.I. Al-Jarallah**, F. Abu-Jarad and M. Qureshi, "Assessment of Fast and Thermal Neutron Ambient Equivalent Doses around the KFUPM Neutron Source Storage Area using CR-39 Nuclear Track Detectors" Radiation Measurements, 40/2-6, (2005) 595-600.
6. H.Al-Mustafa, **M.I. Al-Jarallah**, Fazal-ur-Rehman, "Radon Concentration Measurements in the Desert Caves of Saudi Arabia" Radiation Measurements, 40/2-6, (2005) 707-710.
7. M.Al-Qahtani, **M.I. Al-Jarallah**, Fazal-ur-Rehman, "Indoor Radon Measurements in Women College Dammam Saudi Arabia" Radiation Measurements, 40/2-6, (2005) 704-706.
8. **M.I. Al-Jarallah**, Fazal-ur-Rehman, M.S. Musazay, A. Aksoy, "Correlation of Radon Exhalation from Granites used in Saudi Arabia with Radium Content" Radiation Measurements, 40/2-6, (2005) 625-629.
9. F., Fazal-ur-Rehman; **Al-Jarallah, M.I.**, Musazay, M.S., and Abu-Jarad, "Application of the can Technique and Radon Gas Analyzer for Radon Exhalation Measurements:. Journal of Applied Radiation and Isotopes, Vol. 59, pp 353-359 (2003).
10. Abu-Jarad, F., Fazal-ur-Rehman; **Al-Jarallah, M.I.**, and Al-Shukri, A., "Indoor Radon Measurements in Dwellings of Nine Cities of Saudi Arabia". Radiation Protection Dosimetry, Vol. 106, No. 3, pp 227-232 (2003)
11. Khayrat, A.H., **Al-Jarallah, M.I.**, Abu-Jarad, F., and Fazal-ur-Rehman, "Indoors Radon Survey in Dwellings of Some Regions of Yemen". Radiation Measurements, 36 (2003) 449-451.

12. **Al-Jarallah, M.I.**, Naqvi, A.A., Fazal-ur-Rehman, Maslehuddin, M., Abu-Jarad, F., and Raashid, M., "Neutron Moderation in a Bulk Sample and Its Effects on BGNAA Setup Geometry". *Radiation Measurements*, 36 (2003) 471-474.
13. **Al-Jarallah, M.I.**, Fazal-ur-Rehman; Abu-Jarad, F., and Al-Shukri, A., "Indoor Radon Measurements in Dwellings of Four Saudi Arabian Cities". *Radiation Measurements*, 36 (2003) 445-448.
14. El-Amri, E.A., **Al-Jarallah, M.I.**, Abu-Jarad, F., and Fazal-ur-Rehman., "Uniformity in Radon Exhalation from Construction Materials using Can Technique". *Radiation Measurements*, 36 (2003) 453-456
15. Naqvi, A.A., Fazal-ur-Rehman, **Al-Jarallah, M.I.**, Abu-Jarad, F., and Maslehuddin, M., "Performance Tests of External Moderators of a PGNA Setup". *Applied Radiation and Isotopes*, Vol 58 (2003), pp 27-38
16. **Al-Jarallah, M.I.**, Naqvi, A.A., Fazal-ur-Rehman and Abu-Jarad, F., "Fast and Thermal Neutron Intensity Measurements at the KFUPM PGNA Setup". *Nuclear Instruments and Methods in Physics Research, B.*, Vol. 195/3-4, (2002), pp 435-441
17. Aksoy, A., **Al-Jarallah, M.I.** and Al-Haddad, N., "Natural Radioactivity in the Scale of Water Well Pipes". *J. Environ. Radioact.* Vol. 61, No. 1, (2002), pp 33-40.
18. **Al-Jarallah, M.I.**, Abu-Jarad, F. and Fazal-ur-Rehman, "Determination of Radon Exhalation from Tiles using Active and Passive Techniques." *Radiation Measurements*. Vol. 34, No. 1-6, (2001), pp 491-495.
19. **Al-Jarallah, M.I.**, Naqvi, A.A., Abu-Jarad, F., Fazal-ur-Rehman, Durrani, S.M.A., and Kidwai, S., "Angular Distribution Measurements of ${}^6\text{Li} (p, \alpha) {}^3\text{He}$ Reaction at 150 keV Proton Energy Using Nuclear Track Detectors." *Radiation Measurements*. Vol. 34, No. 1-6, (2001), pp 331-335.
20. Fazal-ur-Rehman, Abu-Jarad, F., **Al-Jarallah, M.I.** and Farhat. M., "Comparison and Limitations of Three Different Bulk Etch Rate Measurement Methods Used for Gamma Irradiated PM-355 Detectors," *Radiation Measurements*, Vol. 34, No. 1-6, (2001), pp 617-623.
21. **Al-Jarallah, M.I.**, "Radon Exhalation from Granites Used In Saudi Arabia," *J. Environ. Radioact.*, Vol. 53, (2001), pp 91-98.
22. **Al-Jarallah, M.I.**, Abu-Jarad, F., Fazal-ur-Rahman, Khiari, F.Z., Aksoy, A. and Nassar, R., "Measurement of Accelerator-Based Neutron Distributions Using Nuclear Track Detectors". *Nuclear Instruments and Methods in Physics Research, B*, Vol., 171-4, (2000), pp 584-588.
23. Abu-Jarad, F., **Al-Jarallah, M.I.**, Al-Hadidy, M.A., Shahid, M.S., and Fazal-ur-Rahman, "Assessment of Integrated Solar UV Radiation by PM-355 Detectors". *Radiation Measurement*, Vol 32., (2000), pp 193-200.
24. **Al-Jarallah, M.I.**, Naqvi, A.A., and Abu-Jarad, F., "Angular Distribution Measurements of ${}^{12}\text{C} (d,p) {}^{13}\text{C}$ Reaction Below 350 keV Deuteron Energies using Nuclear Track Detectors" *Radiation Measurements*, Vol. 31, Nos. 1-6, (1999), pp 521-526.

25. **Al-Jarallah, M.I.**, Al-Arfaj, A., Aksoy, A. and Abu-Jarad, F., "Chemical Analysis of Thorium Content in Gas Mantles". Arabian Journal for Science and Engineering, KFUPM, Vol. 23, No. 1A, (1998), pp 17-21.
26. Abu-Jarad, F., El-Hadidy, M., **Al-Jarallah, M.I.**, "The Use of Nuclear Track Detectors as an Environmental Solar Ultraviolet Radiation Dosimeter" Radiation Measurements, Vol. 28, Nos. 1-6, (1997), pp 409-412.
27. Aksoy, A., **Al-Jarallah, M.I.** and Abu-Jarad, F., "Measurement of Thorium Content and Radioactivity in Gas Mantles," The Arabian Journal for Science and Engineering, KFUPM, Vol.22, No.1A, (1997), pp. 25-35.
28. **Al-Jarallah, M.I.**, Abu-Jarad, F., Hallak, A.B., Coban, A., and Islam, M., "Investigation of Proton response of CR-39," Nuclear Instruments and Methods in Physics Research, B73 (1993) pp. 507-511. Part of it was published in Nuclear Tracks Radiat. Meas.
29. **Al-Jarallah, M.I.**, Abu-Jarad, F., Hallak, A.B., Coban, A. and Islam, M., "Investigation of Proton response of CR-39," Nuclear Tracks Radiat. Meas., Vol. 22, No. 1-4, (1993) pp. 191-194.
30. Abu-Jarad, F., Nasser, R., Haddad, M., Bard, S., Nahdi, K., Islam, M. and **Al-Jarallah, M.I.**, "The Radiation Protection Program at the Energy Research Lab.", The Scientific JKAU: Eng. Sci., Special Issue, [1413 A.H./1993 A.D.], pp 237-245.
31. Burgkhardt, B., Piesch, E. and **Al-Jarallah, M.I.**, "Neutron Dose Equivalent Rate Meter on the Basis of the Single Sphere Al-bedo Technique", Radiat. Prot. Dosim., Vol. 44 No. 1/4, (1992) pp. 178-181.
32. Rashid, M., Abu-Jarad, F., and **Al-Jarallah, M.I.**, "Multileak Detectors for Electrochemical Etching," Nucl. Tracks Radiate. Meas., Vol. 15, Nos. 1-4, (1988), pp. 291-294, Int. J. Radiate. Appl. Instrum., Part D.
33. Abu-Jarad, F., and **Al-Jarallah, M.I.**, "Radon in Saudi Houses", Radiation Protection Dosimetry, Vl.14, No.3, (1986), pp. 243-249. Part of it was published in Nuclear Track and Radiation Measurements.
34. Abu-Jarad, F., and **Al-Jarallah, M.I.**, "Radon Activity in Saudi Arabia", Nuclear Track and Radiation Measurements, Vol. 8, No. 1-4, (1984), pp. 395-398.
35. **Al-Jarallah, M.I.**, Archer-Halland, J.A. and Francois, P.E., "Correlations in Bone Mineral Measurement Using Poly Chromatic X-rays", British Journal of Radiology, Vol. 51, (1978) pp. 393-394.

B- Arabic Refereed Journal Papers

36. **Al-Jarallah, M.I.**, "Cases of Leakage of Atomic Radiation", Al-Amin Magazine, Vol. 3, (1411H), pp. 161-175.
37. **Al-Jarallah, M.I.**, "Atomic Radiation: Sources Risk and Protection", Al-Amin Magazine, Vol. 2, (1410H), pp. 123-163.

C- Technical Notes

38. Abu-Jarad, F., Fazal-ur-Rehman, Al-Haddad, M.N., and **Al-Jarallah, M.I.**, "Thermal Neutron Equivalent Dose Assessment Around the KFUPM Neutron Source Storage Area Using NTDs". Radiation Protection Dosimetry, Vol. 102(4), (2002), pp 349-354
39. **Al-Jarallah, M.I.**, Abu-Jarad, F., and Aksoy, A., "Alpha Auto-Radiography of Gas Lantern Mantles", Journal of King Abdulaziz University: Eng. Sci., Vol. 13, No. 1, (2001), p. 185-192.
40. **Al-Jarallah, M.I.**, Archer-Hall, J.A. and Francois, P.E., "Positioning Errors in Bone Mineral Measurement", British Journal of Radiology, Vol. 5, 821-822 October 1978.
41. Cox, A.J. and **Al-Jarallah, M.I.**, "The Use of Heavy Metals in Neutron Howitzers", Int. J. Appl. Radiat. Isotopes, Vol. 24, 1973, pp 550-551.

D- Published Books in Arabic:

1. **Al-Jarallah, M.I.**, Radon Gas: Sources, Applications, Risks and Protection, Expected to be Published by KFUPM in 2008.



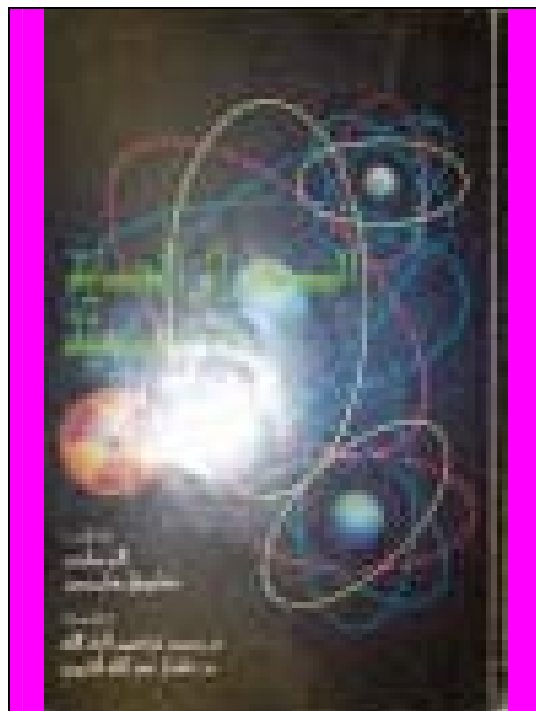
2. **Al-Jarallah, M.I.**, Atomic Radiation and the Indoor Measurements in Al-Joaf Region of Saudi Arabia, Published by Abdur-Rehman Al-Sudairy Establishment in 2007.



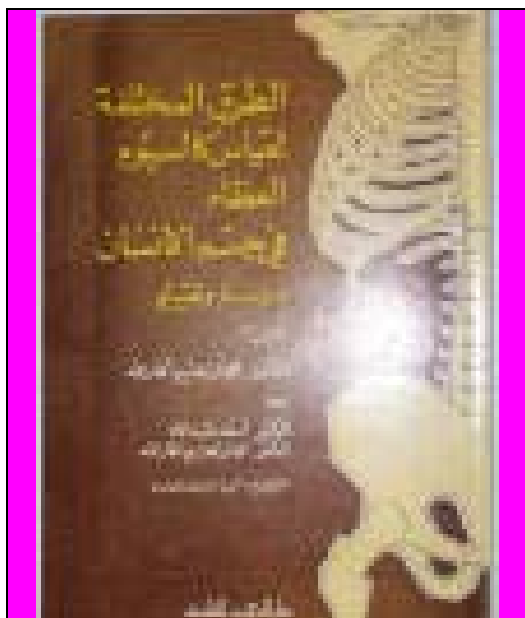
3. Martin and Harbison "Introduction to Radiation Protection", 5th Ed. 2006, Translated to Arabic by **Al-Jarallah, M.I.**, Al-Shwiakh, A., Salem, A.F., and Al-Yahyas, K., Accepted for publication by KFUPM in 2008.
4. **Al-Jarallah, M.I.**, "Atomic Radiation: Its Sources, Applications, Risks and Radiation Protection", Obaikan Press, Riyadh, Saudi Arabia, 1995. Sponsored by King Fahd University, Dhahran, Saudi Arabia.



3. **Al-Jarallah, M.I.**, "Atomic Radiation: Its Effects and Protection", published by Civil Defense, Saudi Arabia, 1994. Sponsored by Civil Defence, Saudi Arabia.
4. "Ionizing Radiation: Rules and Regulations in the Ministry of Health" prepared by **Al-Jarallah, M.I.**, Foad, A., Bashter, A. and Aba-Alkhail, A., supervised by Al-Zahrani, M., published by Ministry of Health, Saudi Arabia, 1993.
5. Martin and Harbison "Introduction to Radiation Protection", 2nd Ed. 1979, Translated to Arabic by **Al-Jarallah, M.I.** and Al-Shwiakh, A., published by Darul-Eslah, Saudi Arabia, 1985.



6. Hall, E., "Radiation and Life", translated to Arabic by **Al-Jarallah, M.I.** and Al-Shwiakl, A., published by Dar-Ul-Mousoat Al-Arabia, Lebanon, 1983.
7. **Al-Jarallah, M.I.**, "Methods of Measuring Calcium in Human Bones", translated to Arabic by Abdullah, A. and **Al-Jarallah, M.I.**, published by Dar-Albohoth Al-Elmiah, Kuwait, 1980.



E- Refereed Conferences:

1. H.Al-Gamdi, Fazal-ur-Rehman, **M.I. Al-Jarallah** “Photonutron Intensity Variation with Field Size Around Radiotherapy Linear Accelerator 18 MeV X-ray Beam” accepted for presentation in the 23rd International Conference on Nuclear Tracks in Solids (ICNTS) to be held in Beijing, China 11-15 Sept. 2006.
2. A.Khayrat, **M.I. Al-Jarallah** and Faral-ur-Rehman “Indoor Radon Survery in Sanaa and Hodeidah City of Yemn” accepted for presentation in the 23rd International Conference on Nuclear Tracks in Solids (ICNTS) to be held in Beijing, China 11-15 Sept. 2006.
3. **M.I. Al-Jarallah**, K.Abdalla, Fazal-ur-Rehman “Comparative Study of Short and Long Term Indoor Radon Measurements in KFUPM Building, Dhahran, Saudi Arabia” accepted for presentation in the 23rd International Conference on Nuclear Tracks in Solids (ICNTS) to be held in Beijing, China 11-15 Sept. 2006.
4. Khalid Abdallah and **M.I. Al-Jarallah**, “Indoor Radon Survey in the Academic Campus of King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia”, Paper presented in Second Scientific Meeting of the Saudi Physical Society, 22-24 November 2005.

5. **M.I. Al-Jarallah**, Abu-Jarad, F., Fazal-ur-Rehman; and Al-Shukri, A. "Indoor Radon Measurements in Dwellings of Nine Cities of Saudi Arabia", Accepted for publication after being refereed and will be published by KAU. This is an Arabic Translation of a paper published in English.
6. Fazal-ur-Rehman, **M.I. Al-Jarallah**, F. Abu-Jarad "Fast and Thermal Neutron Equivalent Doses Assessment around the KFUPM Neutron Source Storage Area using CR-39 Nuclear Track Detectors" 22 International Conference on Nuclear Tracks in Solids, Barcelona, Spain 23-27 August 2004.
7. H.Al-Mustafa, **M.I. Al-Jarallah**, Fazal-ur-Rehman,"Radon Concentration Measurements in the Desert Caves of Saudi Arabia" 22 International Conf. on Nuclear Tracks in Solids, Barcelona, Spain 23-27 August 2004.
8. M.Al-Qahtani, **M.I. Al-Jarallah**, Fazal-ur-Rehman, "Indoor Radon Measurements in Women College Dammam Saudi Arabia" 22 Int. Conf. on Nuclear Tracks in Solids, Barcelona, Spain 23-27 August 2004.
9. **M.I. Al-Jarallah**, Fazal-ur-Rehman, M.S. Musazay, A. Aksoy, "Correlation of Radon Exhalation from Granites used in Saudi Arabia with Radium Content" 22 Int. Conf. on Nuclear Tracks in Solids, Barcelona, Spain 23-27 August 2004.
10. A.Aksoy, **Al-Jarallah, M.I.**, "Measurements of natural Radioactivity in the Scale Samples", Fourth Specialty Conference on Environmental Progress in the Petroleum and Petrochemical Industry" Gulf International Convention Center, Bahrain (23-25/2/04). This was published before.
11. **Al-Jarallah, M.I.**, Fazal-ur-Rehman, Abu-Jarad, F., and Al-Shukri, A.M., "Indoor Radon Survey in Nine Cities in Saudi Arabia," The Second Saudi Conference, King Abdulaziz University, Jeddah, 15-17 March 2004.
12. **Al-Jarallah, M.I.**, Fazal-ur-Rehman, and Musazay, M.S., "Correlation of Radon Exhalation from Construction Materials and Its Radium Contents," The Second Saudi Conference, King Abdulaziz University, Jeddah, 15-17 March 2004.
13. **Al-Jarallah, M.I.**, Naqvi, A.A., Fazal-ur-Rehman and Abu-Jarad, F., "Neutron Moderation in a Bulk Sample and its Effects on PGNA Setup", 21st International Conference on Nuclear Tracks in Solids, New Delhi, India, 21-25 Oct. 2002.
14. Khayrat, A.H., **Al-Jarallah, M.I.**, Abu-Jarad, F., and Fazal-ur-Rehman, "Indoors Radon Survey in Dwellings of Some Regions of Yemen", 21st International Conference on Nuclear Tracks in Solids, New Delhi, India, 21-25 Oct. 2002.
15. El-Amri, E.A., **Al-Jarallah, M.I.**, Abu-Jrad, F., and Fazal-ur-Rehman, "Measurement of Radon Exhalation Rates from Samples of Granite, Marbels and Ceramic", 21st International Conference on Nuclear Tracks in Solids, New Delhi, India, 21-25 Oct. 2002.
16. **Al-Jarallah, M.I.**, "Comparative Study of Short and Long Term Radon Concentration Measurements in Buildings", 21st International Conference on Nuclear Tracks in Solids, New Delhi, India, 21-25 Oct. 2002.
17. Abu-Jarad, F., **Al-Jarallah, M.I.**, Fazal-ur-Rehman, and Al-Shukri, A., "Indoors Radon Survey in Dwellings of Seven Cities of Saudi Arabia", 21st International Conference on Nuclear Tracks in Solids, New Delhi, India, 21-25 Oct. 2002.
18. **Al-Jarallah, M.I.**, Fazal-ur-Rehman, Musazay, M.S. an Abu-Jarad, F., "Measurement of Radon Exhalation Rates from Granites using Gas Analyzer and Nuclear Track Detectors", International Conference on Radioactivity in the Environment, Monaco, 1-5 Sept. 2002.

19. **Al-Jarallah, M.I.**, “Comparative Study of Short and Long Term Radon Concentration Measurements in Buildings (Preliminary Study),” First Saudi Science Conference, KFUPM, Dhahran, Saudi Arabia, 9-11 April, 2001. (In Arabic)

20. **Al-Jarallah, M.I.**, Abu-Jarad, F. and Fazal-ur-Rehman, “Radon Exhalation from Construction Materials used in Saudi Arabia and its Correlation with Radium Contents,” First Saudi Science Conference, KFUPM, Dhahran, Saudi Arabia, 9-11 April, 2001. (In Arabic)

21. **Al-Jarallah, M.I.**, “Radon Exhalation from Some Saudi Arabian Rocks,” 5th Int. Conf. On High Levels of Natural Radiation and Radon Areas: Radiation Dose and Health Effects, Munich, Germany, 4-7 Sept. 2000.

22. **Al-Jarallah, M.I.**, " Radiation Hazards of Diagnostic Radiology and Its Control", the 1st National Conference on Environmental Pollution and Health, Research and Postgraduate Studies Centre, King Abdulaziz University, Jeddah, 8-11 January, 1996. (In Arabic).

23. **Al-Jarallah, M.I.**, Piesch, E. and Burgkhardt, B., "Development of a Single Sphere Albedo System for the Measurement of Neutron Dose Equivalent Rates and the Field Calibration of Personnel Albedo Neutron Dosimeters", 2nd Scientific Conference of Iraqi Atomic Energy Commission, Baghdad, Nov. 1989. Part of it was published in Journal of Radiat. Prot. Dosim.

F- Technical Reports:

- 1- “Indoor Radon Concentration Measurement in the Dwellings of Al-Jauf Region of Saudi Arabia”, **M. I. Al-Jarallah** and Fazal-ur-Rehman, Final report of the project funded by A. Al-Sudairy Establishment in Al-Jauf City (November 2005).
- 2- **Al-Jarallah, M.I.**, Musazay, M.S., and Fazal-ur-Rahman, The Final Report of Project No. PH/RADON/220 entitled, “Radon Exhalation from Building Materials used in Saudi Arabia and its Correlation with Radium Contents.” Accepted in 2004.
3. **Al-Jarallah, M.I.**, Fazal-ur-Rahman, Abu-Jarad, F. and Al-Shukri, M.I, The Final Report of Project No. SABIC 2002/14 entitled “Indoor Radon Survey in Nine Different Cities in the Eastern and Western Saudi Arabia.” Accepted in 2004.
4. **Al-Jarallah, M.I.** and Salem, A.F., The Final Report of Project No. PH/RAD.PROTECTION/238A, entitled “Translation of the Book: Introduction to Radiation Protection.” Accepted in 2004.
5. **Al-Jarallah, M.I.**, Radiation Survey of One Region in Saudi Arabia - A Project Sponsored by a Client. July 2002 (in progress).
- 6-7 **Al-Jarallah, M.I.***, Abu-Jarad, F. and Fazal-ul-Rahman, Participation in the 1st (1999) and 2nd (2000) CEC Radon Intercomparison. Each was published in a separate reports in 2001.
8. **Al-Jarallah, M.I.***, and Abu-Jarad, F., Participation in the (1998) CEC Radon Intercomparison. It was published in a report in 2001.

- 9-13 Abu-Jarad, F., and **Al-Jarallah, M.I.***, Participation in the 1st (1983), 2nd (1986) 3rd (1989), fourth (1995) and fifth (1997) CEC Radon Intercomparison. Each was published in separate reports in 1983, 1986, 1989, 1995, and 1997.

**These are reports of international intercomparison carried out by CEC for the passive radon dosimeters every one to three years. We participated in these intercomparisons.*

14. Burgkhardt, B., **Al-Jarallah, M.I.**, and Piesch, "Nutronen-Aquivalent-dosisleistungsmessung nach dem Einkugelalbedome BV-erfahren", (**Refereed**), KfK 4631, 1989.
15. Al-Jarallah, M.I., "Optimization of a Single Sphere Albedo System Using ^3He Counters for the Measurement of Neutron Dose Equivalent Rates and the Field Calibration of Personnel Albedo Neutron Dosimeters", (**Refereed**), KfK 4632, Nov. 1989.

G- Symposia and Study Circles:

1. Invited to the 1st Symposium on Radiation Risk and Protection held by Ministry of Health, Riyadh, Saudi Arabia, January 4th 1994, to give a seminar titled "Methods of Radiation Protection". (In Arabic).
2. Invited to the 2nd Saudi-Finish Scientific Symposium on Civil Defense held in Riyadh, Saudi Arabia, March 3rd, 1992 [27-28/8/1412H], to give a seminar titled "Industrial and Mechanical Application of Atomic Radiation, Effects on Man and Protection Means".
3. Invited to the 8th Civil Defense Conference held in Madinah, Saudi Arabia in the period 12-18/05/1990 (17-23/10/1410H), to give a talk titled "Atomic Radiation Leakage and its Risks".
4. Invited to the 7th Symposium of Industrial Security, held in Jubail, Saudi Arabia, to give a seminar titled " Nuclear Radiation: Its Sources, Risks and Protection" in 27-29/02/1988 (Rabi 'I,1408H).
5. Invited to the 1st Study Circle on "Atomic Radiation Protection", held in King Abdulaziz University, Jeddah, Saudi Arabia, in the period 18-22/02/1984 (1404H) to give a seminar titled "Radiation Effects on Man".

H- Seminars:

1. Future Power Production System, Physics Department, KFUPM, 23 October 2005.
2. Indoor Radon Survey in Dwellings of Nine Cities in the Eastern and Western Provinces of Saudi Arabia (In Arabic) in Women Education College – Riyadh, 22 March 2005.
3. Indoor Radon Survey in Dwellings of Nine Cities in the Eastern and Western Provinces of Saudi Arabia, Earth Sciences Department, KFUPM, 15 March 2005.
4. Radiation Accidents, Doha, Qatar in the 2nd International Trauma Care, Disaster and Emergency Medicine Conference, 19 April 2004.

5. Nuclei and the Hidden Nuclear Energy, Prince Naif Center, KFUPM, 28 December 2004.
6. Indoor Radon Survey in Dwellings of Nine Cities in the Eastern and Western Provinces of Saudi Arabia, Holiday Inn Hotel, Al-Khobar. Invited by Middle East Chapter of the American Society of Safety Engineer in their Technical Dinner Meeting, 02 March 2004.
7. Indoor Radon Survey in Nine Saudi Arabian Cities, The Middle East Chapter of the American Society of Safety Engineers in their Technical Dinner Meeting in Al-Khobar, Saudi Arabia, 02 March 2004.
8. Measurements of radon concentration in nine cities in KSA, Physics Dept. KFUPM, 09 November 2003.
9. Indoor Radon Survey in Nine Saudi Arabian Cities, Physics Department, KFUPM, Dhahran, Saudi Arabia, 09 November 2003.
10. Radiation Protection, M.E. Workshop on Safety Lab, 08 June 2003.
11. Radiation Protection, A Lecture given in the Mechanical Engineering Workshop entitled, "Safety in Laboratories," KFUPM, Dhahran, Saudi Arabia, 08 June 2003.
12. Indoor Radon Health Risk to Children, Symposium entitled, "Healthy Environment for the Children," organized by Ministry of Health, Riyadh, Saudi Arabia, 08 April 2003.
13. Radon Exhalation Rates from Building Materials and Correlation with Radium Contents, Physics Department, KFUPM, Dhahran, Saudi Arabia, 18 February 2001.
14. Radon Exhalations from Construction Materials used in Saudi Arabia, Physics Department, KFUPM, Dhahran, Saudi Arabia, 08 October, 2000
15. Applications of Nuclear Track Detectors (NTDs) in the Detection of Light Nuclear Particles, Physics Department, KFUPM, Dhahran, Saudi Arabia, 05 December, 1999.
16. Atomic Radiation and Life, Science Club, KFUPM, Dhahran, Saudi Arabia, 09 Nov. 1999 (Invited Lecture).
17. Radioactivity of Gas Mantles used in Saudi Arabia, University Faculty at Physics Department, KFUPM, Dhahran, Saudi Arabia, 24 November, 1996.
18. Biological Effects of Ionizing Radiation on Men", University Faculty at Physics Department, KFUPM, Dhahran, Saudi Arabia, in 1991.
19. "Development of a Single Sphere Albedo System for Neutron Dosimetry", given to Physics Faculty at King Saud University, Riyadh, Saudi Arabia, in 1990.
20. "Development of a Single Sphere Albedo System for Neutron Dosimetry", University Faculty at Physics Department, KFUPM, Dhahran, Saudi Arabia, 17 March, 1987.
21. "Radiation Protection and Safety", Research Institute, KFUPM, Dhahran, Saudi Arabia, 09 July, 1986.
22. "Radiation Protection in Health Physics", Research Institute, KFUPM, Dhahran, Saudi Arabia, 27/11/1406H.

23. "Biological Effects of Ionizing Radiation", University Faculty at Physics Department, KFUPM, Dhahran, Saudi Arabia, December, 1984.

I . Booklets, Leaflets and Posters published in Arabic:

1. "The phenomena of Atomic Radiation", Poster in Arabic "100 cm ×70cm" , Nov. 2005.
2. Leaflets in Arabic and English titled "Radiation Protection in Medicine", prepared by **Al-Jarallah, M.I.**, published by the KFUPM Press, Saudi Arabia, 1992 & 1994, and by Ministry of Health, 1995.
3. "Biological Effects of Atomic Radiation on Man" prepared by **Al-Jarallah, M.I.**, published by KFUPM Press, Saudi Arabia, 1990.**Al-Jarallah, M.I.**, "Biological Effects of Ionizing Radiation on Man", published by Al-Harmen Bookstore, Saudi Arabia, 1986.
- 4- **Al-Jarallah, M.I.**, "Biological Effects of Ionizing Radiation on Man", published by Al-Harmen Bookstore, Saudi Arabia, 1986.

J. Popular Articles published in Arabic:

1. **M.I. Al-Jarallah**, "Evidences that Radon Causes Lung Cancer" Accepted, Atoms and Development.
2. **M.I. Al-Jarallah**, "The Peaceful Applications of Nuclear Energy" Fakieh Research & Development Center, Scientific Periodical (By request).
3. **M.I. Al-Jarallah**, "Controlling Indoor Radon" Accepted, Atoms and Development.
4. **M.I. Al-Jarallah**, "Useful Applications of Radioactive Radon" Accepted, Atoms and Development.
5. **M.I. Al-Jarallah**, "Indoor Radon Levels" Accepted, Atoms and Development.
6. **Al-Jarallah, M.I.** "Gneral Overview about Indoor Radon" Atoms and Development, Vol.18, No.1, (2006).
7. **M.I. Al-Jarallah**, "Medical Treatment using Radon" the University No.368 (2/2007)
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