

Curriculum Vitae

Name: Assoc. Prof. Dr. Basim Abd Alhassen Almayahi (B.A. Almayahi)



Fields of Interest

- 1- Radiation Biophysics, Radiation Medical physics, and Natural Radioactivity of Environmental
- 2- Treatment of prostate cancer using gold nanoparticles.
- 3- Synthesis and applications of silver nanoparticles on bacterial pathogens.
- 4- Natural Radioactivity of Gamma Ray, Radon, and Alpha Particles in (Tissue, blood, teeth, bones, soil, water, air, food, fertilizer, building materials).
- 5- Radiation Detection and Measurements (Scintillation Detector (Na I (TI))- High Purity Germanium (HPGe) Detector- Exploranium GR-135- Radon Monitor Continues 1029- RAD 7 System-SSNTDs CR-39.
- 6- Radiation Protection.
- 7- Statistical Physics and Environmental Statistics (GenStat, SPSS, OrginLab, Sigmaplot)

Educational Qualification

No	Certificates	University or Institute	College	Department	Field of Specialization	Study of Country	Date of Graduate
1	Secondary	Alkhornak School				Iraq	1993
3	B.Sc.	Babylon University	Science	Physics		Iraq	2000
4	M.Sc.	Babylon University	Science	Physics	Nuclear Physics	Iraq	2004
5	Ph.D.	Universiti Sains Malaysia	School of Physics		Environmental Radioactivity, Radiation Bio, and Medical Physics- Radionuclides Biomarkers	Malaysia	2013

LANGUAGES

Arabic	Mother Tongue
English	<ol style="list-style-type: none"> 1. Passing the Proficiency Examination Required for Higher Studies in Iraq (GOOD)- 1998 2. Completed Spoken English (LHP 456) In Semester II (2010/2011)- School of Languages, Universiti Sains Malaysia. 2011
Malay (Malaysia)	Passing the Proficiency Examination Required for Higher Studies in Malaysia (Excellent)- School of Languages, Universiti Sains Malaysia, 2013

Training and Courses:

- 1- English Language Qualification Training No. 6 in Babylon University 11-7-1998.
- 2- Arabic Font (Quran) Training at Kufa University 7-18/9/1996.
- 3- Qualification Training of Computer Learning in International Computer Central 24-7-1999 to 20-9-1999.
- 4- Qualification Training of Education and Teaching Methods No. 5 in Kufa University 9-23/7/2006.
- 5- Electronic Computers Training in Electronic Computer Central in Kufa University 2-23/9/2007.
- 6- Toefl Training in Toefl Central in Kufa University 25-8-2008.
- 7- English Spoken Training in Languages School Universiti Sains Malaysia 21-12-2010.
- 8- Occupational Safety and Health Committee of Universiti Sains Malaysia (2 July 2011)
- 9- National Graduate Symposium in Universiti Teknologi Petronas in Malaysia 2011.

Working Experience

- Lecturer at Babylon University, College of Science, Department of Physics in Nuclear Lab. and Courses: Health Physics, 2001-2004.
- Lecturer at Qadisiyah University, College of Education in Computer Lab., 2004-2005.
- A teacher at Kufa University, College of Science, Department of Physics, Atomic and Nuclear Lab., 2005-2008.
- A teacher at Kufa University, College of Science, and Department of Environment (Lecturers: Biophysics, General Physics, and Computer 2008-2013).
- Head of Environment Department at Kufa University, College of Science, Department of Environment, 2009-2010.
- A researcher at Nanotechnology and Advanced Materials Research Unit 2013- up to date.
- Lecturer at Kufa University, College of Science, Department of Environment (Radiation protection, Radiotherapy, Biophysics, General Physics, and Computer science, 2013 up to date)

Topics of M.Sc. and Ph.D. Thesis

Title of M.Sc. Thesis: A STUDY OF MATERIALS BY BACKSCATTER PEAK FOR GAMMA-RAY USING THE SCINTILLATION DETECTOR NAI (TL), 2004

Title of Ph.D. Thesis: STUDY ON RADIOACTIVITY IN HUMAN TEETH, ANIMAL BONES AND SOIL IN SELECTED AREAS IN NORTHERN REGION OF MALAYSIAN PENINSULAR, 2013

No.	Conference and Presentations	Date	Country
1	2 nd National Conference of Chemical in College of Science In Babylon University	2002	Iraq
2	Conference of College of Science in Babylon University	2003	Iraq
3	2 nd Annual Environmental Conference in College of Science in Babylon University	2007	Iraq
4	Conference of Pure and Applied Sciences	2009	Iraq
5	5 th Science Symposium in College of Science in Qadisiya University	2009	Iraq
6	National Graduate Symposium- The Graduate Journey: Mapping a Smart Route to Successful Completion in Universiti Teknologi Petronas, Perak, Malaysia	2011	Malaysia
7	International Conference on Chemical, Biological and Environmental Sciences (ICCEBS 2011), Pattaya, Thailand	2011	Thailand
8	2012 Asia Pacific Conference on Environmental Science and Technology (APEST), Kuala Lumpur, Malaysia	2012	Malaysia
9	International Conference on Environmental Research and Technology (ICERT 2012) in Penang , Malaysia	2012	Malaysia
10	International Environment and Health Conference, Penang, Malaysia	2012	Malaysia
11	2 nd International Public Health Conference and 19 th National Public Health Colloquium, Kuala Lumpur, Malaysia	2012	Malaysia
12	2 nd International Conference on Ecological, Environmental and Biological Sciences (EEBS'2012), Bali, Indonesia	2012	Indonesia
13	International Conference on Agriculture, Chemical and Environmental Sciences (ICACES'2012), Dubai, (UAE)	2012	United Arab Emirates
14	Advanced Materials Conference (AMC), 2012, Langkawi, Malaysia	2012	Malaysia
15	Workshop Biology Diversity and Bio-Safety (International Day of Biology Diversity)	2013	Iraq
16	The Scientific Symposium entitled keep on the environment one requirements the quality in veterinary medicine	2013	Iraq
17	Scientific seminar: Modern technologies in the laboratory diagnosis	24/04/2014	Iraq
18	International Conference on Advances in Applied Science and Environmental Engineering	02-03/08/2014	Malaysia
19	21 st International Conference on Environmental Indicators	August 2-	Canada

	University of Windsor, August 2-5, 2015, Abstract Volume Journal of Environmental Quality: Special Issue 2015	5, 2015	
20	Joint ICTP-IAEA Workshop on Radioactive Waste Management - Solutions for Countries without Nuclear Power Programme-Cosponsor(s): International Atomic Energy Agency (IAEA)	2-6 Nov. 2015	Italy
21	APMAS2016, 6 th International Advances in Applied Physics and Materials Science Congress & Exhibition	1-3 June 2016	Istanbul/Turkey
22	BIOMATSEN2016, 2 nd International Congress on Biomaterials & Biosensors	1-3 June 2016	Istanbul/Turkey
23	10 th International Conference on Energy and Development, Environment and Biomedicine (EDEB '16)	August 19-21, 2016	Mallorca, Spain
24	5th International Conference on Applied and Computational Mathematics (ICACM '16)	August 19-21, 2016	Mallorca, Spain
26	1 st International Conference On Materials and Environmental Science (ICMES)	December 1-3, 2016	Morocco
27	Third FAO/IAEA International Conference on Area-Wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques	22-26 May 2017	Vienna, Austria
28	Annual Meeting of the International Security Education Network (INSEN).	24-28 July 2017	Vienna, Austria
29	TC Sponsored Participation for CN-247, Int. Min. Conf. on Nuclear Power in 21 st Century	30 Oct. to 1 Nov. 2017	Abu Dhabi, United Arab Emirates

Editorial Board Member

- 1- American Journal of Physical Chemistry (AJPC)
- 2- American Journal of Physics and Applications
- 3- Open Science Journal of Clinical Medicine
- 4- The American Association for Science and Technology, USA
- 5- The Science and Information Organization
- 6- Techno publications
- 7- Journal of Multidisciplinary Engineering Science and Technology
- 8- International Centre of Excellence in Civil Engineering and Environmental Sciences

Reviewer Committee Member

1. Asian Journal of Applied Sciences
2. International Conference On Biological and Environmental Science (BIOES)
3. Universal Researchers in Environmental and Biological Engineering (UREBE)
4. Science of the Total Environment - <http://ees.elsevier.com/stoten/>
5. Environmental Monitoring and Assessment
<http://www.springer.com/environment/monitoring+-environmental+analysis/journal/10661>

6. Journal of Radiation Research- jrr.oxfordjournals.org/
7. Herald Journal of Geography and Regional Planning- <http://www.heraldjournals.org/hjgrp>
8. Indian Journal of Pure and Applied Physics (IJPAP)- [HTTP://op.niscair.res.in/index.php/IJPAP](http://op.niscair.res.in/index.php/IJPAP)
9. Journal of Hazardous Materials- <http://www.journals.elsevier.com/journal-of-hazardous-materials/>
10. Radioanalytical and Nuclear Chemistry- <https://www.editorialmanager.com/jrnc/default.asp>
11. Quaternary International- www.sciencedirect.com/science/journal/10406182
12. Advancement in Scientific and Engineering Research
13. Agricultural Research
14. American Journal of Physical Chemistry (AJPC)
15. American Journal of Physics and Applications.
16. Journal of Radiation Research and Applied Sciences. <http://ees.elsevier.com/jrras>
17. Journal of Taibah University of Science. <http://www.sciencedirect.com/science/journal/16583655>

International Scientific Program Committee (Technical Committee)

1. International conference on substantial environmental engineering and renewable energy (SEERE).
2. Emirates Association of Chemical, Biological and Environmental Engineers (EACBEE).
3. International Conference on Waste Management, Ecology and Biological Sciences (WMEBS-2015), Emirates Research Publishing.
4. 2015 International Conference on Biological and Environmental Science (BIOES-15), Phuket (Thailand).
5. 2015 International Conference on Chemical, Metallurgy and Material Science Engineering (CMMSE-2015) August 10-11, 2015 Pattaya, Thailand
6. FTC 2016 - Future Technologies Conference 2016, 6-7 December 2016, San Francisco, United States.
7. Universal Researchers in Environmental & Biological Engineering
8. 2016 International Conference on Biological and Environmental Science (BIOES-16), June 8-9, 2016, New Jersey, USA
9. International Conference on Cellular & Molecular Biology And Medical Sciences (Cmbms-16), Paris, France.
10. ICEB 2016: 18th International Conference on Evolutionary Biology, Paris, France July 25 - 26, 2016.
11. ICCTIDP 2016: 18th International Conference on Concepts and Techniques for Infectious Disease Prevention Amsterdam, The Netherlands December 1 - 2, 2016.
12. ICBPS 2016: 18th International Conference on Bioengineering and Pharmaceutical Sciences Dubai, UAE November 16 - 17, 2016.

13. ICBH 2017: 19th International Conference on Biopharmaceuticals and Healthcare London, United Kingdom, March 14 - 15, 2017.
14. ICAAIR 2017: 19th International Conference on Allergy, Asthma, Immunology, and Rheumatology, Singapore, SG, March 29 - 30, 2017
15. International Conference on Chemical, Agricultural, Biological and Health Sciences (CABHS-2017), Feb. 2-3, 2017 at Bali (Indonesia)
16. International Conference on Biodiversity, Genetics and Environmental Sciences.
17. 7th International Conference on Environment and Industrial Innovation (ICEII 2017) will be held in International University of Malaya Wales, Kuala Lumpur during April 24-26, 2017.
18. International Conference on Pharmacovigilance and Drug Safety. Amsterdam, The Netherlands. 2018-05-10
19. 8th International Conference on Environment and Industrial Innovation (ICEII 2018) will be held at Shanghai Maritime University, China during April 27-29, 2018.
20. 19th International Conference on Anatomy of Diabetes. Rome, Italy, July 17 - 18, 2017.
21. 19th International Conference on Biotechnology and Pharmaceuticals Stockholm, Sweden. July 13 - 14, 2017.
22. 19th International Conference on Mycotoxin Reduction in the Food and Feed Chain San Diego, USA. December 18 - 19, 2017
23. 4th International Conference on Innovations in Civil, Disaster Management, Architectural and Transport Engineering (ICATE-2017) June 12-14, 2017 Bangkok (Thailand).
24. 6th International Conference on Healthcare, Environment, Food and Biological Sciences (HEFBS-2017-ISTANBUL) on Sept. 8-10, 2017 at Istanbul (Turkey)
25. 7th International Conference on Chemical, Food, Biological and Health Sciences (CFBHS-2017) Aug. 8-9, 2017 Singapore
26. 10th International Conference on Agricultural, Chemical, Biological and Medical Sciences (ACBMS-2018)
27. 6-7 March, 2018, Sheikh Zayed Centre for Conferences and Exhibitions of Ajman University (AU) Campus in Ajman, United Arab Emirates (UAE)

Organizing Committee Member

1. Global Conference on **Nursing and Healthcare** November 21-23, 2016 Las Vegas, USA.

Technical Editor

1. Journal of Environmental Science and Technology, **Science Alert**, 244, 5th Avenue, No. 2218, NY 10001, New York, USA

2. Current Research in Physics, **Science Alert**, 244, 5th Avenue, No. 2218, NY 10001, New York, USA
3. Journal of Environmental Science and Technology, Asian Network for Scientific Information is a Science (ANSInet). 308-Lasani Town, Sargodha Road, Faisalabad, Punjab, Pakistan.

Membership

1. The Institute of Research Engineers and Doctors- IRED. USA
2. Scientific Board of Chemical, Civil, Agricultural, and Environmental Engineers. USA
3. Academic Members of Athens Institute for Education and Research (ATINER, 8 Valaoritou Street, Kolonaki, 10671 Athens, Greece).
4. Ordinary Member of the Malaysian Institute of Physics: MIPM in the Malaysian Institute of Physics (Institut Fizik Malaysia or IFM). C/O Jabatan Fizik, Universiti Malaya, 50603 Wilayah Persekutuan Kuala Lumpur, Malaysia.
5. IAEA INSEN Member WGII.

Eminent Members/Speakers

1. 3rd International Conference on Innovations in Civil, Architectural and Transport Engineering (ICATE-2017) scheduled on May 10-11, 2017 at Dubai (UAE).
2. Higher Education and Innovation Group.

Publications

1. Al-Mayahi B. Exposure Rate Measurements of the Natural Background Radiation in the Colleges of Science and Agriculture- Kufa University. *Baby. Univ.*, 15, 3, 2008.
2. Al-Mayahi B. Exposure Rate Measurements of the Natural Background Radiation in Some Najaf Regions. *Al Qadisiyah Pure Science*, 2010, 15:1-8.
3. Almayahi, B. A., Tajuddin, A. A., Jaafar, M. S. Radiation hazard indices of soil and water samples in Northern Malaysian Peninsula. *Applied radiation and isotopes*, 2012, 70 (11), 2652–60.
4. Almayahi, B. A., Tajuddin, A. A., Jaafar, M. S. (2012). Effect of the natural radioactivity concentrations and $^{226}\text{Ra}/^{238}\text{U}$ disequilibrium on cancer diseases in Penang, Malaysia. *Radiation Physics and Chemistry*, 81(10), 1547–1558.
5. Almayahi, B. A., Tajuddin, A. A., Jaafar, M. S. (2011). *In-Situ* Radon Level Measurement for a Tropical Country. *International Conference on Chemical, Ecology*

and Environmental Sciences (ICCEES'2011) Pattaya Dec. 2011 (pp. 415–417).
Malaysia.

6. Almayahi, B. A., Tajuddin, A. A., Jaafar, M. S. (2012). ^{210}Pb , ^{235}U , ^{137}Cs , ^{40}K and ^{222}Rn Concentrations in Soil Samples After 2010 Thai and Malaysian Floods. *Advances in Biomedical Engineering*, 6, 593–598.
7. Almayahi, B. A., Tajuddin, A. A., Jaafar, M.S., (2012). Measurements of alpha emission rates in bones using CR-39 track detector. Proceedings of 2nd International Conference on Ecological, Environmental and Biological Sciences (EEBS'2012), October 13-14, 2012 at Bali (Indonesia), 18-19.
8. Almayahi, B. A., Tajuddin, A. A., Jaafar, M. S. (2012). ^{238}U , ^{232}Th and ^{40}K Concentrations Evaluation of Soil and Water Samples in Northern Malaysian Peninsular. 3rd International Conference on Environmental Research and Technology (ICERT 2012), 30 May-1 June 2012, Penang, Malaysia. 1-6
9. Almayahi, B. A., Tajuddin, A. A., Jaafar, M. S. (2012). Measurements of Naturally Occurring ^{210}Pb Concentration in Animals Bones of Northern Malaysian Peninsula. *International Conference on Agriculture, Chemical and Environmental Sciences (ICACES'2012) Oct. 6-7, 2012 Dubai (UAE)* (pp. 189–191).
10. Almayahi, B. A., Tajuddin, A. A., Jaafar, M. S. (2012). Measurements of Natural Radionuclides and Elemental Concentrations in Chicken and Mice Bones in Penang, Malaysia. *Health and the Environment Journal*, 3(3), 17–22.
11. Almayahi, B. A., Tajuddin, A. A., Jaafar, M. S. (2013). In situ soil ^{222}Rn and ^{220}Rn and their relationship with meteorological parameters in tropical Northern Peninsular Malaysia. *Radiation Physics and Chemistry*, 90 (2013)11–20
12. Almayahi, B. A., Tajuddin, A. A., Jaafar, M.S., (2012). Measurements of soil and water radon from the Northern region of Malaysian Peninsular. Proceedings of 2nd International Public Health Conference and 19th National Public Health Colloquium Kuala Lumpur, Malaysia from 3rd-4th October 2012. (Abstract).
13. Almayahi, B. A., Tajuddin, A. A., Jaafar, M.S., (2012). Measurements of naturally occurring ^{210}Pb in human teeth in selected areas in Malaysia using the CR-39 detector. Proceedings of Advanced Materials Conference (AMC), 12–13 December 2012, Langkawi, Malaysia. (Abstract).
14. Hussein, A. K., Alshamarti, H.A., Almayahi, B.A., 2013. Comparison of the Regression Equations in Different Places using Total Station. *International Journal of Engineering Trends and Technology (IJETT)*, 5: 32-35.

15. B. A. Almayahi, A.A. Tajuddin, M.S. Jaafar, 2014. Measurements of natural radionuclides in human teeth and animal bones as markers of radiation exposure from the soil in the Northern Malaysian Peninsula. *Radiation Physics and Chemistry*, 56–67.
16. Talib A. Abdulwahid, Imad K. Alsaabery, Ali A. Abojassim, B.A. Almayahi, 2013. The enhancement of prostate cancer treatment using gold nanoparticles and high-energy photons. *Advances in Physics Theories and Applications*, 25, 76-81.
17. B. A. Almayahi, A.A. Tajuddin, M.S. Jaafar, 2014. Radiobiological long-term accumulation of environmental alpha radioactivity in extracted human teeth and animal bones in Malaysia. *Environmental Radioactivity*, 129, 140–147.
18. Arif S. Baron, B.A. Almayahi. Modeling of the Geomagnetic Field at Lake Tharthar and Neighboring Regions. *International Journal of Computer Trends and Technology (IJCTT)*, 3, 11: 1391-95, 2013.
19. M. J. Albermani, Arif S. Baron, H.A. Alshamarti, B.A. Almayahi. Magnetic Anomaly at Selected Region in Kufa City, Iraq. *Asian Journal of Applied Sciences*. 1, 5:190-194, 2013.
20. Ali K. Hussein, H. A. Alshamarti, B.A. Almayahi. Comparison of the Regression Equations in Total Station. *International J. of Engineering Trends and Technology (IJETT)*, Vol. 5 No.1, 32-35, 2013.
21. Nahlah F. Makki, Shaymaa A. Kadhim, A.H. Alasadi, B.A. Almayahi. Natural Radioactivity Measurements in different regions in Najaf city, Iraq. *International Journal of Computer Trends and Technology (IJCTT)*, 9, 286–289, 2014.
22. B. A. Almayahi, A.A. Tajuddin, M.S. Jaafar, 2014. Calibration technique for a CR-39 detector for soil and water radon exhalation rate measurements. *Journal of Radioanalytical and Nuclear Chemistry*, 301, 133-140.
23. B. A. Almayahi. Gamma spectroscopic of soil samples from Kufa in Najaf governorate. *World Applied Sciences Journal*, (9): 1582-1588, 2014.
24. H. A. Alshamarti, Ali K. Hussein, B.A. Almayahi. Application of median filter with the threshold Technique to reduce and remove Gaussian noise on the Image edges produced by Sobel operator. *International Journal of Computer Engineering and Technology (IJCET)*, Volume 4, Issue 6, November - December (2013), pp. 121-126.
25. Ali K. Alsaedi, B.A. Almayahi, A.H. Alasadi. Cement ^{222}Rn and ^{226}Ra concentration measurements in selected samples from different companies. *Asian journal of natural and applied sciences*, Vol. 2 No. 4, 2013:95-100

26. B.A. Almayahi, Asaad K. Alsaedi, Ali K. Alsaedi, A.H. Alasadi, Azhar S. Ali, Raad. O. Hussein, Hayder. H. Hussain, 2014. Ceramic Rn²²² exhalation rates from different countries. International Journal of Scientific and Engineering Research, Volume 5, Issue 1, January-2014
27. B.A. Almayahi, Asaad K. Alsaedi, Ali K. Alsaedi, A.H. Alasadi, Azhar S. Ali, Raad. O. Hussein, Hayder. H. Hussain. Bricks Rn²²² Exhalation Rates in Some Samples from Different Countries. World Applied Sciences Journal, 29 (6): 706-709, 2014.
28. B.A. Almayahi. Radiation dose assessment due to ²²²Rn of some soil samples in Dywaniya city, Iraq. International Journal of Environmental Engineering– IJEE, 1(4), 2014: 100-102.
29. Almayahi B. A., Hakeem E., Faris Jawad Alduhaidahawi, Aqeela H. Heavy Metals Concentration in Different Soil Samples in Najaf City, Iraq. International Journal of Engineering Trends and Technology (IJETT), 16, 2014: 69-71.
30. Almayahi B. A. Backscattering factor measurements of gamma rays of the different thickness of pure concrete. Radiation Research and Applied Sciences, 2015: 1-4.
31. Almayahi B. A. NaI (Tl) Spectrometry to Natural Radioactivity Measurements of Soil Samples in Najaf City. Iranica Journal of Energy Environment, 2015, 6 (3): 207-211.
32. Almayahi B. A. Quantification of Alpha Particle Emission in Human Blood Samples in the City of Najaf, Iraq. Journal of Environmental Indicators, 9: 26, 2015.
33. Faris Jawad Alduhaidahawi, Almayahi B. A., Kifah Saleh Alasadi, Kasim Alasadi. Gases Pollutants and Trace Element Concentrations in the Air of Najaf City, Iraq. International Journal of Environmental Monitoring and Protection 2015; 2(4): 47-51.
34. B. A. Almayahi, A. H. Alasadi. ²²²Rn and ²²⁶Ra Concentrations in Some Global Fertilizer Samples. American Journal of Modern Physics and Application 2015; 2(4): 58-61.
35. Entisar Farhan S., B. A. Almayahi. Investigation of the Atomic Properties for Helium-Like. Open Science Journal of Modern Physics 2015; 2(5): 80-82.
36. Aseel Fadel Ayoub Alfarhad, B. A. Almayahi. Effect of Geographic Factors on the Establishment of Ghadeer Village with Geometric Scheme Models in Najaf, Iraq. American Journal of Engineering, Technology and Society 2015; 2(5): 96-104.
37. B. A. Almayahi. Diabetes Mellitus and Its Complications in Najaf City, Iraq. American Journal of Biology and Life Sciences 2015; 3(5): 181-186.

38. B. A. Almayahi, Faris J. Alduhaidahawi, Kasim Kadhim Alasedi. Hydrocarbon and trace elements concentrations in Najaf city, Iraq. *Research Pharmaceutical, Biological Chemical Sciences*, 2016, 7 (1): 2127-2135.
39. Laith B Alhusseini, Ali S Kadhim, Maytham M Alabassi, B. A. Almayahi. A Study of Some Immunological and Biochemical Indicators for Patients with Osteoporosis. *Electronic Biology*, 2016, 12 (1): 8-11.
40. Laith B. Alhusseini, B. A. Almayahi. Study of blood groups antigens frequency for ductal breast carcinoma patients in some Iraqi women. *Diversity and Equality in Health and Care*, (2016), 13 (2): 169-173.
41. Muthik Abd Muslim Guda, T. K. Merza and B. A. Almayahi. Response of Non-Enzymatic Antioxidants to *Phragmites Australis* (Cav.) Trin. Ex. Steudel Plants of the Environmental Stresses in Baher Alnajaf, Iraq. *Plant Cell Biotechnology and Molecular Biology*, 2016, 17 (3&4): 140-148.
42. Basim A. Almayahi. Biomarkers in Bone Disease, Part of the series Biomarkers in Disease: Methods, Discoveries, and Applications, Editor *Victor R. Preedy*. Biomarkers of Natural Radionuclides in the Bone and Teeth. Springer Netherlands, 1-21, 2016.
43. B. A. Almayahi, Laith B. Alhusseini. Synthesis and applications of silver nanoparticles on bacterial pathogens activity. *ChemTech Research*, 2016, 9 (11), 287-298.
44. Mohammed O. Hamad, B. A. Almayahi, Wadhah A. Abbas. Effect of Temperature on the antibiotic-resistance of *Proteus* spp clinical Isolates. *ChemTech Research*, 2016, 9 (12). 774-781
45. Mohammed O. Hamad, Wadhah A. Abbas, B. A. Almayahi. Effect of β lactam Antibiotics with Aminoglycosides on Multidrug Resistance *Staphylococcus aureus*. *PharmTech Research*, 2016, 9 (11), 267-273.
46. Hussain M. Almusawi, Musadage I. Alhemiri, B. A. Almayahi. Effect of Stolt *F-K* Migration Filter On Ground Penetrating Radar Imaging. *Int. J. Fundam Appl Sci.* 2016, 5(4), 62-68.
47. Almayahi, B. A., Kasim Kadhim Alasedi, Wisam N. A. Almehana. Biomarkers of natural alpha particles in cancerous tissue of Iraqi patients. *PharmTech Research*. Vol.9, No.12, 651-657, 2016.

48. Kawther H Mohammed, Liqaa S Zyughir, Asmmaa A Jaafar, BA Almayahi. Biological Effects of Background Radiation and Their Risk of Humans. *Journal of Chemical and Pharmaceutical Research*, 2016, 8(11):107-113.
49. Zuhier H Hussein, BA Almayahi. Effect of Ramadan Fasting on Kidney Stone. *Journal of Chemical and Pharmaceutical Research*, 2016, 8(11):120-123.
50. Musadage I. Alhemiri, Hussain M. Almusawi, B. A. Almayahi. Determine the Thickness of Pavement Layers Variety Using GPR Technique in Some Sites at University of Kufa, Najaf, Iraq. *Chem-Tech Research*, 2017, 10 (2): 837-843.
51. Basim A Almayahi. Defense against Insect Pests Using Peaceful Applications of Nuclear Technology. *FAO/IAEA International Conference on Area-Wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques*. Vienna, Austria 22–26 May, P 390, 2017.
52. Basim A Almayahi. Determination of Radionuclide Concentration in Human Teeth in Najaf Governorate, Iraq. *Iranian Med. Phys.* Vol. 14, No. 4, 173-182, December 2017.
53. Alduhaidahawi F. J., Almayahi B. A., Abed H. N., (2017). Environmental Assessment of Some Air Pollutants in the City of Hilla in Iraq. *Prensa Med Argent*, 103: 4.
54. B. A. Almayahi, Hakeem J. I, Impacts of Low-Level Exposure to Radiation on Natural Ecosystems in Najaf and Dhi Qar cities, Iraq. *Iranian Med. Phys.* Articles in Press, Accepted Manuscript, Available Online from 07 September 2017.
55. Sadie A. Menkhi, Falah H. Shanoon, B. A. Almayahi. Radiation Pollution and Cancer Risks in Sulaimaniyah and Ninawa Cities, Iraq. *Annual Research and Review in Biology*, 18(4): 1-9, 2017.
56. Muthik A. Guda, J. I. Hakeem, Maytham M. Alabassi, B. A. Almayahi. Effects of Environmental Stress on Nutrients of *Typha domingensis* Pers. Plant in Najaf, Iraq. *Annual Research and Review in Biology*, 19(3): 1-6, 2017.
57. Falah H. Shanoon, Sadie A. Menkhi, B. A. Almayahi, Anfal S. Dawood. Spatial and Temporal Variability of Environmental Radioactivity in Basra and Baghdad Cities, Iraq. *Annual Research and Review in Biology*, 21 (6): 1-9, 2017.