



Academic Curriculum Vitae

Personal Information:

Full Name: Saman Khabbat Ezzulddin

Academic Title: Lecturer

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Education:

From- To	Degree	Department/ College/ University /Country
2019-2022	PhD in Electromagnetics Theory	Physics Department / Collage of Science /Salahaddin University-Erbil / Iraq
2012-2014	M.Sc. in Nuclear Physics	Physics Department / Collage of Science /Salahaddin University-Erbil / Iraq
2004-2008	B.Sc. Physics	Physics Department / Collage of Science /Salahaddin University-Erbil / Iraq

Employment:

From- To	Post	Department/ College/ University /Country
2023 to present	Assistant professor	Physics / Collage of Science /Salahaddin University-Erbil / Iraq
2018-2023	Lecture	Physics Department / Collage of Science /Salahaddin University-Erbil / Iraq
2014-2018	Assistant Lecture	Physics Department / Collage of Science /Salahaddin University-Erbil / Iraq
2009-2014	Assistant physicist	Physics Department / Collage of Science /Salahaddin University-Erbil / Iraq

Qualifications

- **Teaching qualifications**
- Pedagogy at Salahaddin University (2015), A course of Teaching Method for (**3 months**).
- I have certificate in IT about Moodle applications in 2017
- **IT qualifications**
- **Software Programming** : - (MatLab, CST, HFSS)

- **Microsoft Office:** - (Word Processing: MS Word, Presentation: MS Power Point and Spread Sheet: MS Excel)
- **Language qualifications**
- IELTS in British Council
- Level Upper Intermediate in Salahaddin University -Language Center.
- Level Advanced in Salahaddin University -Language Center.

Teaching experience:

Subject	Academic year	Hours/week	Credit
Computer Science	2014-2015	3	3
Computer Science Laboratory	2014-2015	9	2
General Physics	2014-2015	3	3
General Physics Laboratory	2014-2015	9	2
Computer Science	2015-2016	3	3
Computer Science Laboratory	2015-2016	9	2
General Physics	2015-2016	3	3
General Physics Laboratory	2015-2016	9	2
Elementary Particles	2016-2017	2	2
Electronics Laboratory	2016-2017	6	2
Atomic Laboratory	2016-2017	6	2
Electricity and Magnetism Laboratory	2017-2018	6	2
Elementary Particles	2017-2018	2	2
Electronics Laboratory	2017-2018	6	2
Electronics Laboratory	2018-2019	6	2
Elementary Particles	2018-2019	2	2
Electronics Laboratory	2019-2020	6	2
Electromagnetic Theory	2019-2020	3	3
Elementary Particles	2019-2020	2	2
Electronics Laboratory	2020-2021	6	2
Elementary Particles	2020-2021	2	2
Electronics Laboratory	2021-2022	2	2
Elementary Particles	2021-2022	2	2
Atomic Laboratory	2021-2022	2	2
Electronics Laboratory	2022-2023	6	2
Electrometric Theory	2022-2023	3	3
Antenna Theory and Wave Propagation	2022-2023	2	2
Electrometric Theory	2023-2024	3	3
Antenna Theory and Wave Propagation	2023-2024	2	2

Research and publications

- Ezzulddin, S.K., Ahmed, A.H., Samad, A.I. and Othman, S.Q., 2017, September. Radioactivity measurement of nuts and seeds available in Erbil city markets. In *AIP Conference Proceedings* (Vol. 1888, No. 1, p. 020022). AIP Publishing LLC.
- Ezzulddin, S.K. and Mansour, H.H., 2017. Assessment of radon exposure in Erbil drinking water resources. *ZANCO Journal of Pure and Applied Sciences. The official scientific journal of Salahaddin University-Erbil/ZJPAS*, 29(4), pp.184-194.
- Ezzulddin, S.K. and Aziz, H.H., 2017. An investigation of activity concentration of ^{238}U , ^{232}Th , ^{137}Cs and ^{40}K radionuclides in drinking water resources in Iraqi Kurdistan Region-Erbil. *ZANCO Journal of Pure and Applied Sciences*, 28(6), pp.32-40.
- Ahmed, A.H., Mansour, H.H., Ezzulddin, S.K. and Samad, A.I., 2017. Radon (^{222}Rn) Content in Bottled Water of Kurdistan Region using Active and Passive Methods. *ZANCO Journal of Pure and Applied Sciences*, 29(3), pp.152-158.
- Samad, A.I., Ahmed, A.H. and Ezzulddin, S.K., 2017. Assessment of natural radioactive concentration levels in the oil drilling wells in Erbil Governorate blocks.
- Ezzulddin, S.K., Theoretical Study of Alpha Particles Energy loss in essential elements of Human Bones.
- Ezzulddin, S.K. and Mansour, H.H., 2020. Radon and radium activity concentration measurement in drinking water resources in Kurdistan Region-Iraq. *Journal of Radioanalytical and Nuclear Chemistry*, 324(3), pp.963-976.
- Ezzulddin, S.K., Hasan, S.O. and Ameen, M.M., 2020. Design and Simulation of Microstrip Patch Antenna for 5G Application using CST Studio International Journal of Advanced Science and Technology 29 (4), 7139-7205. *International Journal of Advanced Science and Technology* 29 (4), 7139-7205.
- Ezzulddin, S.K., Hasan, S.O. and Ameen, M.M., 2021. Optimization of Rectangular Microstrip Antenna Substrate Parameters to Operate with High radiation Performances for 5G applications *Advances in Mechanics* 9 (2), 273-286.
- Ezzulddin, S.K., Hasan, S.O. and Ameen, M.M., 2022. Microstrip patch antenna design, simulation and fabrication for 5G applications. *Simulation Modelling Practice and Theory*, 116, p.102497.
- Ezzulddin, S.K., Hasan, S.O. and Ameen, M.M., 2022, January. Optimization of rectangular microstrip antenna patch parameters to operate with high radiation performances for 5G applications. In *AIP Conference Proceedings* (Vol. 2386, No. 1, p. 070002). AIP Publishing LLC.
- Hasan, S.O., Ezzulddin, S.K., Mahmud, R.H. and Ahmed, M.J., 2023. Design and Simulation of Microstrip Antenna Array Operating at S-band for Wireless Communication System. *International journal of electrical and computer engineering systems*, 14(5), pp.497-506.
- Ezzulddin, S.K., Hasan, S.O. and Ameen, M.M., 2023. Performance Analysis of Plasmonic Nano-antenna Based on Graphene with Different Dielectric Substrate Materials for Optoelectronics Application. *Plasmonics*, pp.1-10.
- Hasan, S.O., Ezzulddin, S.K., Hammd, O.S. and Mahmud, R.H., 2023. Design and Performance Analysis of Rectangular Microstrip Patch Antennas Using Different Feeding Techniques for 5G Applications. *International journal of electrical and computer engineering systems*, 14(8), pp.833-841.
- Hasan, S.O., Ezzulddin, S.K., Khizir, H.A., Hamad, M.A. and Rahman, B.A., 2023. Design of Graphene-Based Tunable Plasmonic Antenna for Multiband Terahertz Application Systems. *Plasmonics*, pp.1-12.

Conferences and courses attended

- Presenter of 6th International Conference and Workshop on Basic and Applied Sciences (6thICOWOBAS, 18th – 19th March 2017).
- Presenter of 3rd International scientific Conference of AlKafeel University (3rd ISCKU, 22nd – 23rd March 2021).
- Presenter of 1st International Conference on Emerging Technology Trends in Internet of things and Computer University (1st TIOTC, 6th – 8th June 2021).
- Attended of Physical Researchers and Scientific Projects workshop hold on 11th of February 2017, at College of Science-Raparin university- Raparin, Iraq.
- Attended of Physical Researchers and Scientific Projects workshop hold on 11th of February 2017, at College of Science-Raparin university- Raparin, Iraq.

Professional memberships

- From 2008 to date member in Kurdistan Physics syndicate.
- From 2009 to date member in Kurdistan Teachers syndicate

Professional Social Network Accounts:

ORCID ID: 0000-0002-9947-1317

Academic Profile: <https://academics.su.edu.krd/saman.ezzliddin>

LinkedIn: <https://www.linkedin.com/in/dr-saman-k-ezzulddin-131336119/>

Scholar Account: <https://scholar.google.com/citations?user=1TSd088AAAAJ&hl=en>

Research gate: <https://www.researchgate.net/profile/Saman-Ezzulddin>