Resume Summary

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | | |
| ***Hayam Ahmed Abdel Ghany***  ***Professor of Radiation Physics***  ***Department of Physics,***  ***Faculty of Women For Arts, Science and Education***  ***Ain-Shams University, Egypt*** | | | |
|  | |  | |
| B.Sc., Physics | Faculty of Women For Arts, Science and Education, Ain-Shams University, 1995. |
| M.Sc. Physics | Faculty of Women For Arts, Science and Education, Ain-Shams University, 1999. |
| Ph.D. Biochemistry | Faculty of Women For Arts, Science and Education, Ain-Shams University, 2004. |
| Current positions: | Prof. of Radiation Physics, Department of Physics, Faculty of Women For Arts, Science and Education, Ain-Shams University. |
| Publication | More than 25 published research articles most of them published in an international journals. |
| Research trend | Radiation Physics |

Resume details

|  |  |
| --- | --- |
| **PERSONAL DATA:**  **Date/place of birth.** | Aug 16th , 1972/ Cairo, Egypt |
| **Marital status** | Married, 2 daughters, Husband : Dr. Mohamed Hussien |
| **Contact address:** | Department of Physics, Faculty of Women For Arts, Science and Education, Ain-Shams University, Asmaa Fahmy Street, Misr El Gedida, Cairo, Egypt.  **E.mail**: hayam168@yahoo.com |

ACADEMIC RECORD

**B.Sc.** **Physics**

Faculty of Women For Arts, Science and Education, Ain-Shams University, 1995.

Grade: Very good with honor, 2nd of 1995 group.

**M.Sc.** **Physics:**

Faculty of Women For Arts, Science and Education, Ain-Shams University, 1999.

Thesis title: “*Studies on Elemental Analysis Of Industrial Materials Using The Neutron Activation Technique*”

**Ph.D. Physics:**

Faculty of Women For Arts, Science and Education, Ain-Shams University, 2004.

Thesis title: *Natural Radioactivity Measurements Using Solid State Nuclear Detector.*

**Associate Professorship in Physics, 2010.**

**Professor of Radiation physics, 2018 to date.**

EMPLOYMENT RECORD:

* **Demonstrator of Physics,**

Department of Physics, Faculty of Women For Arts, Science and Education, Ain-Shams University, 1997-1999.

* **Assistant lecturer of Physics:**

Department of Physics, Faculty of Women For Arts, Science and Education, Ain-Shams University, 1999-2003.

* **Lecturer of Physics**

Department of Physics, Faculty of Women For Arts, Science and Education, Ain-Shams University, 2004-2010.

* **Assistant Professor of Physics**

Department of Physics, Faculty of Women For Arts, Science and Education, Ain-Shams University, 2010.

* **Professor of Radiation Physics**

Department of Physics, Faculty of Women For Arts, Science and Education, Ain-Shams University, 2018.

# TEACHING RECORD

|  |  |
| --- | --- |
| **Course Name (Code):** | **Target Students/ duration** |
| Practical physics | 1st and 4th year, Physics group (1997-2003) |
| Waves | 1st year, Physics and computer (2004—2011) |
| Alternating current | 2nd year, Mathematics (2004—2008) |
| Modern Physics | 4th year, Mathematics (2004—2008) |
| Electricity and  magnetism | 1st year, , Mathematics (2009) |
| Human rights | 4th year, Physics group (2009) |
| Computer and its application | 3rd year, Ansrbology (2009) |
| General biophysics-1 | 1st year, Biophysics, Physics, Physics and computer, Mathematics and physics, (2010 to date) |
| General biophysics-2 | 1st year, Biophysics, Physics, Physics and computer, Mathematics and physics, (2010 to date) |
| Biological effect of radiation | Post graduates, (2009 to date) |
| Radiation 1 | 4th year, Mathematics and physics (2012 to date) |
| Radiation 2 | 4th year, Physics, Physics and chemistry (2012 to date) |

#### **LABORATORY AND TECHNICALSKILLS:**

Basic experimental physics.

Analysis of gamma rays using multichannel analyzer.

Measurements of Radon using CR-39 detectors.

**SUPERVISED DISSERTATIONS:**

* Supervised 10 MSc dissertations, Faculty of Women For Arts, Science and Education, Ain Shams University, 1997-1999.
* Supervised 4 Ph.D dissertations, Faculty of Women For Arts, Science and Education, Ain-Shams University, 1997-1999.

TRAINING COURSES AND WORKSHOPS.

* Methodologies of Scientific Research, Ain Shams University, (2004)
* Communications Skills, Ain Shams University, (2005)
* Modern Avenues in teaching, Ain Shams University, (2005)
* Using technologies in teaching, Ain Shams University, (2006)
* 5 Training courses fulfilling the ICDL certification , Ain Shams University (2007)
* Strategic Planning, Ain Shams University, (2016)
* International Publication of Scientific Research, Ain Shams University, (2016)
* Financial and legal aspects of university work, Ain Shams University, (2016)
* Preparing competitive research projects, Ain Shams University, (2016)
* Medical Physics and Labour market workshop (16-17 Oct, 2019), Faculty of Women For Arts, Science and Education, Ain-Shams University (Chair person)

# MEMBERSHIPS AND COMMITTEES

Physics Department board member, (2011-date)

Member of Environmental Committee, Faculty of Women For Arts, Science and Education, Ain-Shams University, 2005-2006

Egyptian society of physic, 2009

Egyptian society of modern science, 2008

# LIST OF PUBLICATIONS

Measurements of Radon Daughter Plateout. Kenawy, MA, Morsy A, **H.A.Abdel-Ghany** (2000), Arab Journal of Nuclear Sciences and Applications, 34(1): 79-86.

Elemental investigation of some Egyptian vehicle motor alloys using neutron activation analysis. Nada A, El-Bahi SM, **H.A.Abdel-Ghany**, Hassan AM. Applied. Radiation Isotops, (2001), 55(4):575-80.

Measurements of indoor Radon and Dose Equivalent. Kenawy MA, Ahmed Morsy A; Hegazy T.M.; and **H.A.Abdel-Ghany**. 6th Radiation Physiscs Conference. Assiut University, Egypt, 27-30, (2002).

Assessment of Radon levels in some water resources in Egypt. Kenawy, MA., Ahmed Morsy, A.; Hegazy T.M.; and **H.A.Abdel-Ghany**. Egyptian Journal of Biophysics, (2002), 8(2): 171-188.

Description of Interaction Boson-Fermion Model for 9B and 9Be Nucleus. H.M. Khalil, H.A.Abdel-Ghany and H. Yassin. 5th Conference on Nuclear and Particles 19-23 Nov. Cairo, Egypt. 2005

Variability of Radon Levels in Different Rooms of Egyptian Dwellings. **H.A.Abdel-Ghany**.

Indoor and Built Environments, (2006), 15(2): 193-196. (U.K).

# The Association between indoor radon and tobacco smoke. H.A.Abdel-Ghany. Indoor and Built Environments, (2006), 15(3): 289-293. (UK).

Natural Radioactivity of some local fertilizers. T. EL-Zakla , **H.A.Abdel-Ghany**, A. M. Hassan. Romanian Journal of Physics, (2007), 52(5–7): 731–739.

Environmental Radioactivity Measurements of Some Egyptian Sand Samples **H.A.Abel-**

**Ghany**, T.El-Zakla, A.M. Hassan, Romanian. Journal Physics, ( 2009), 54 (1), -213 223.

Natural Activities of 238U, 232Th and 40K in Manganese Ore. **H.A.Abdel-Ghany**, American Journal of Environmental Sciences, (2010), 6(1): 90-94.

Radiation Hazard Assessment in Egyptian Painting Oxides. A Comparative study. **H.A.Abdel-Ghany.** Environmental GeoChemistry and Health, (2011); 33: 225–234

Distribution of Natural Radioactivity in Oil-Derived Lubricants. **H.A.Abdel-Ghany.** Indoor and Built Environments, (2012), 21(2): 317-322. (U.K).

Study of radon, thoron and toxic elements in some textile dyes. H.A.Abel-Ghany

Journal of Radioanalytical and Nuclear Chemistry, (2013), 295 (2): 1365-1370.

Investigation on alpha track profiles from Am-241 and Rn-222 using SSNTD CR-39. Aly, H.A.S; El Aassy, I. E, Nada A; Hegazy T. M; **H.A. Abdel-Ghany** and Deghady, AM. Isotope and Radiation Research, (2013), 45 (2): 309-319.

Unexpected radiation hazard in dyes of textiles. **H.A.Abdel-Ghany** and Eman M.

Ibrahimb. Isotopes in Environmental and Health Studies,( 2014), 50 (4):546-554

Effect of the altitude on the concentration and exhalation rate of radon. H.A.Abel-Ghany. International Journal of Low Radiation, (2014), 9 (5/6): 335 – 343.

Does natural gas increase the indoor Radon levels? **H.A. Abdel-Ghany** and D. H. Shabaan Nuclear Physics and Atomic Energy, (2015),16 (3): 310 - 315

Studies of Radioactive Contaminations and Heavy Metal Contents in Cosmetics **H.A. Abdel-Ghany** and F. Ragab , International Journal of Low Radiation, 2015 .......................

Occupational Exposure to Natural Radioactivity in Some Factories in Suez City **H.A. Abdel-Ghany** A. El-Shershaby, A.Sroor and M. Abdel-Samei, Indoor and Built Environment, (2015), (Accepted in Indoor and Built Environment, 2015).

Determination of Subsurface Radioactive Anomalies Using Alpha Particle Measurements of

Diffused Radon. *Aly, H.A.S., Hegazy, T.M,* **H.A. Abdel-Ghany***.,*Abu-Zied, H.M., EL Aassy, I.E and Shaaban, *D.H.* Isotope and Radiation Research, (2012), 44(1): 89-101.

Radon Monitoring in Eco-Friendly Textile Printing of Natural Fabrics. M. Rekaby, Doaa H.

Shabaan, **H.A. Abdel-Ghany**. Int. J. Pharm. Sci. Rev. Res., (2016), 40(2): 142-145.

White sand potentially suppresses radon emission from uranium tailings. **H.A. Abdel-Ghany**,

Ibrahim E. El Aassy, Eman M. Ibrahim, S.H. Gamil. Rad. Phys. and Chem., (2018), 144:

100-105.

Effect of Uranium Tailings Fractionation on Radionuclides Distribution and Radon Exhalation Rate. Eman M. Ibrahim, Ibrahim E. El Aassy, **H.A. Abdel-Ghany**, S.H. Gamil. Environmental Earth Science, (2018), 77: 534.

Senior interventional cardiologists are exposed to higher effective doses than other staff members. **H. A. Abdel Ghany** · H. M. Diab, Asmaa Salah, Ahmed A. Taha. Radiation and Environmental Biophysics (2020), 59:743–748.

Preparation and characterization of CuWO4 Nanoparticles M. A. Ahmed , M. H. Khalil , **H. A. Abdel-Ghany**, S. A. El-Gharbawy Inorganic and Nano-Metal Chemistry Published online: 23 Jul (2020).

## OA21