

## C.V.

### Aly Abdel-Moneim Abdel-Halim

**Present position:** Full professor (1<sup>st</sup> lecturer), Radiation Physics, since April 2018, College of Engineering & Technology, and Deputy dean for faculty Affairs (AASTMT),

**Phone** +2 03 562 2366 (ext 13776),  
**Fax** +2 03 561 1919  
**Cellular Phone** +2 0122 316 3544;  
**e-mail** amoneim@aast.edu  
**Nationality** Egyptian;  
**Date of birth** 24<sup>th</sup> July, 1966, Alexandria;  
**Marital status** married with three children;

#### Education:

##### ○ School education:

Joined “Collège Saint Marc” from the first school year until graduation. (1971-1985).

##### ○ Higher education:

Studied at the faculty of science, Alexandria University. B.Sc. in Physics/Mathematics with a grade of “Very Good” in May 1989.

##### ○ Graduate Education:

- **M.Sc.** in Environmental Studies at the Institute of Graduate Studies and Research (IGSR), Alexandria University, May 2000.
- **Ph.D.** in Mathematical Physics, Faculty of Science, Zagazig University, March 2006.

#### Employment:

1. Teaching assistant for the academic year (1989-1990), Faculty of Science and Faculty of Education, Alexandria University.
2. Physics Teaching Assistant in the Arab Academy for Science, Technology and Maritime Transport (AASTMT), during the period 1989-1995.
3. Physics Lecturer in the AASTMT, during the period 1996-2000. (1998-2002 AAST Cairo branch)
4. Associate Professor in the AASTMT, since 2001-2010.
5. Assistant Professor in the AASTMT, since 2011 to present.
6. Professor of Environmental Radiation Physics, since April 2018
7. Dean of Education Affairs, AASTMT Latakia-Syria branch (1/9/2019-18/3/2020)
8. Deputy dean for faculty Affairs, AASTMT, since 2014 till present.

#### Foreign Languages:

French: Fluent  
English: Fluent

#### Courses Taught:

1. Preparatory Physics, Physics 1 and Physics 2 for Nautical students of the College of Maritime Transport and Technology, AASTMT, Alexandria Campus.
2. Physics 1, Physics 2 and Modern Physics for students of all programs in the College of Engineering and Technology and in Marine Engineering, AASTMT, Alexandria and Cairo Campuses.
3. Physics for students of the College of Computer Science and Information technology, AASTMT, Alexandria and Cairo Campuses.

4. Environmental Science and Technology, for Mechanical and Computer Engineering programs in the College of Engineering and Technology, AASTMT, Alexandria and Cairo Campuses.
5. Business Statistics for Economic and Management studies, City University program, AASTMT, Alexandria.
6. Mathematics and Statistics for Economic and Management studies, (using computer applications); London School of Economics and Political Science (LSE) Program, AASTMT Miami campus.
7. Mathematics and Statistics for Business, Management and International Transport & Logistics studies, (using computer applications) AASTMT, Alexandria and Cairo Campuses.
8. Applied Statistics in Business and Economics with Computer Applications for MBA programs, Alexandria and Cairo Campuses.

**Conferences Attended:**

- Attended the fourth Radiation Physics Conference, Alexandria University, Alexandria, Egypt, 15-19 November 1998.
- Participated in the first International Conference on Engineering Mathematics and Physics (EMP), Military Technical College (MTC), Cairo, Egypt, 14-16 May 2002.
- Participated in the International Conference on Mathematics and Nuclear Physics and its applications in the 21<sup>st</sup> century (ICMNPA), Atomic Energy Authority, Cairo, Egypt, 8-13 March, 2003.
- Attended Einstein Symposium, Bibliotheca Alexandrina, Alex, Egypt, 4-6 June 2005.
- Attended the 23<sup>rd</sup> Annual Conference for Development Strategies for Higher Education institutions in the Arab World, AAST, Alex, Egypt, 28-30 July, 2007.
- Attended the Third Arab International Conference in Physics and Materials Science - Bibliotheca Alexandrina, Egypt, October 20 - 22, 2009.
- Attended the Fourth International Conference in Physics and Materials Science (CPMS) - Bibliotheca Alexandrina – Faculty of Science, Alex. Univ., Egypt, October 1 - 3, 2012.
- The First International Conference on Radiation Physics and its applications, April 2015.

**Publications:**

- Samir Nasr, I.H. Saleh, M.A. Naim, M.M. Bassiouni & A.A. Abdel Halim, *Distribution of Radioisotopes in Abu-Qir Bay*, Egypt, 36<sup>th</sup> Congress-Plenary Assembly of the International Commission for the Scientific Exploration of the Mediterranean Sea (CIESM), Monaco 24-28 September 2001.
- M. Sonbol, A.A. El-Bary and A.A. Abdel-Halim, *Stress Components for thermoelastic Infinite Plate with Curvilinear Hole Having Two Poles*, 1<sup>st</sup> International Conference on Engineering Mathematics and Physics (EMP), Military Technical College, Cairo, Egypt, 14-16 May 2002.
- M.A. Darwish, A.A. El-Bary and A.A. Abdel-Halim, *Solution of Some problems of Fredholm Integrodifferential Equation in the theory of Elasticity*, 1<sup>st</sup> International Conference on Engineering Mathematics and Physics (EMP), Military Technical College, Cairo, Egypt, 14-16 May 2002.
- M. Sonbol, M.M. Bassiouni and A.A. Abdel-Halim, *Spectral Relations of the Volterra-Fredholm Integral Equation of the First Kind*, International Conference on Mathematics and Nuclear Physics and its applications in the 21<sup>st</sup> century (ICMNPA), Atomic Energy Authority, Cairo, Egypt, 8-13 March, 2003.
- A. Elfalaky and A.A. Abdel-Halim, *A Mode-I Crack problem for an Infinite Space in Thermoelasticity*, Journal of Applied Sciences, Asian Network for Scientific Information, 2005.
- A.A. Abdel-Halim and A. Elfalaky, *An Internal Penny-Shaped Crack Problem in an Infinite Thermoelastic Solid*, Journal of Applied Sciences Research, INSInet Publication, 2006.

- A.A. Abdel-Halim, H.M. Youssef and A.A El-Bary, *Mathematical Model for Thermal Shock Problem of a Generalized Thermoelastic Layered Composite Material with Variable Thermal Conductivity*, The Third Arab International Conference in Physics and Materials Science - Bibliotheca Alexandria, Egypt, October 20 - 22, 2009.
- N.M. El-Maghraby and A.A. Abdel-Halim, *A Generalized Thermoelasticity Problem for a Half Space with Heat Sources under Axisymmetric Distributions*, Australian Journal of Basic and Applied Sciences, Punjab, Pakistan, 2010.
- M.A. El-Borie, E. Shafik, A.A. Abdel-Halim, S.Y. El-Monier, *Spectral Analysis of Solar Variability and Their Possible Role on the Global Warming*, J. Environmental Protection, 1, 111. 2010,
- A.A. Abdel-Halim, *A Thick Plate Problem under the Action of a Body Force in Generalized Thermoelasticity*, International Journal of Thermophysics, Colorado, USA, October 2010.
- A.A. Abdel-Halim, *A Thermoelastic Half Space Problem under the Action of Heat Sources and Body Forces with Two Relaxation Times*, International Journal of Research and Reviews in Applied Sciences on "Science and Mathematics with Applications". March 2011.
- M.A. El-Borie, E. Shafik, A.A. Abdel-Halim, A.A. Thabit, *Solar variability and Egypt climate change during the period 1880-2009*, The 4<sup>th</sup> International Conference in Physics and Materials Science - Bibliotheca Alexandria, Egypt 1-3 October 2012.
- A.A. Abdel-Halim, E.S. El Mallah, A.A. Thabet, *Solar and Geomagnetic Activity Effects on Climate at Regional and Global Scales: Case Study- USA, Japan, and China*, Journal of Environmental Science, Computer Science and Engineering & Technology Vol. 3,1, pp. 88-102, 2013.
- A.A. Abdel-Halim & I.H. Saleh, *Radiological Characterization of Beach Sediments along the Alexandria-Rosetta Coasts of Egypt*, Journal of Taibah University for Science, 2015, DOI: 10.1016/j.jtusci.2015.02.016.
- I.H. Saleh & A.A. Abdel-Halim, *Determination of Depleted Uranium Using High Resolution Gamma Rays Spectrometer and Applications in Soil and Sediments* Journal of Taibah University for Science, 2015. DOI: 10.1016/j.jtusci.2015.02.015.
- I.H. Saleh & A.A. Abdel-Halim, *<sup>7</sup>Be in soil, deposited dust and atmospheric air and its using to infer soil erosion along Alexandria region, Egypt*. Journal of Environmental radioactivity. Vol. 172, pp.24-29, 2017. <http://dx.doi.org/10.1016/j.jenvrad.2017.03.005>. [www.elsevier.com/locate/jenvrad](http://www.elsevier.com/locate/jenvrad).
- I.H. Saleh & A.A. Abdel-Halim, *Cosmogenic beryllium-7 in soil, rainwater and selected plant species to evaluate the vegetal interception of atmospheric fine particulate matter*, Isotopes in Environmental and Health Studies, 54:4, 392-402, 2018. DOI: 10.1080/10256016.2018.1447467.
- Hanaa M Hemily, I.H. Saleh, Z.F. Ghataas, A.A. Abdel-Halim, R. Hisam, A.Z. Shah, M.I. Sayyed, S. Yasmin, M. Elsafi, *Radiation Shielding Enhancement of Polyester Adding Artificial Marble Materials and WO<sub>3</sub> Nanoparticles*, Sustainability, **2022**, 14(20), 13355; <https://doi.org/10.3390/su142013355>.

Aljawhara H. Almuqrin and Mohamed Elsafi Hanan Al-Ghamdi, Hanaa M. Hemily, I.H. Saleh, Z.F. Ghataas, A.A. Abdel-Halim, M.I. Sayyed, Sabina Yasmin, *Impact of WO<sub>3</sub>-nanoparticles on silicone rubber for radiation protection efficiency*, Materials, **2022**, 15(16), 5706; <https://doi.org/10.3390/ma15165706>.

**Links:**

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