


## Prof. Dr. Mohammed SALLAH Elsaid Ibrahim

Professor of Theoretical Physics &amp; Rapporteur of National Committee of Physics, ASRT, Egypt.

<i>Name</i>	Mohammed <u>SALLAH</u>		<i>Birth Date</i>	12.09.1978	<i>Gender</i>	Male	
<i>County</i>	Egypt	<i>Title</i>	Prof. Dr.	<i>Research field</i>	Theoretical Physics		
<i>Affiliation</i>	Physics Department, Faculty of Science, Mansoura University, Mansoura 35516, EGYPT.			<i>Degree</i>	Full Professor		
<i>Emails</i>	<a href="mailto:msallahd@mans.edu.eg">msallahd@mans.edu.eg</a> ; <a href="mailto:msallahd@gmail.com">msallahd@gmail.com</a>			<i>Tel.</i>	+20 100 178 0321		
<i>Education Experience</i>	<ul style="list-style-type: none"> <li>- B. Sc. degree in Physics (1<sup>st</sup> Class Honors) by grade "Very Good with honor degree" in May 1999, Faculty of Science, Mansoura University (MU), Egypt.</li> <li>- Pre-Master Theoretical Physics in May 2000 by grade "Very Good" (1<sup>st</sup> Class Honors).</li> <li>- M. Sc. in Physics (Theoretical Physics), July 2002, MU Faculty of Science, Egypt.</li> <li>- Ph. D. in Physics (Theoretical Physics), September 2005, MU Faculty of Science, Egypt.</li> </ul>						
<i>Working Experience</i>	<ul style="list-style-type: none"> <li>• 09.10.1999 – 02.09.2002: Demonstrator of Physics, Faculty of Science, Mansoura University.</li> <li>• 03.09.2002 – 30.10.2005: Assistant Lecturer, Physics Department, MU Faculty of Science.</li> <li>• 31.10.2005 – 30.10.2010: Assistant Professor, Physics Department, MU Faculty of Science.</li> <li>• 31.10.2010 – 30.10.2015: Associate Professor, Physics Department, MU Faculty of Science.</li> <li>• 31.10.2015 – till now: Full Professor, Physics Department, MU Faculty of Science.</li> <li>• Academic year 2006-2007: Faculty of Arts &amp; Science in Tobruk, Omar Al-Mokhtar University, Libya.</li> <li>• Academic years 2008–2010: Assistant Prof. in Faculty of Education, Misurata University, Libya.</li> <li>• Academic years 2010 – 2012: Associate Professor in College of Science, Al-Jouf University, Saudi Arabia.</li> <li>• Rapporteur of National Committee of Physics, Academy of Scientific Research and Technology (ASRT), Egypt.</li> </ul> <p>Part Time Full Professor in:</p> <ul style="list-style-type: none"> <li>• Nile Higher Institute for Engineering and Technology, Mansoura city, 2<sup>nd</sup> Semester (2018/2019).</li> <li>• Higher Institute for Engineering and Technology, New Damietta city, Academic years 2019 – 2021.</li> </ul>						
<i>Representative publications</i>	<p>More than 80 papers in cited journals and international conferences:</p> <ul style="list-style-type: none"> <li>- "Theoretical Analysis of the Motorcycle Front Brake Heating Process during High Initial Speed Emergency Braking", <i>Journal of Applied and Computational Mechanics</i>, <b>6</b>, 1431 (2020).</li> <li>- "Stochastic Neutron Transport in Clumpy Reactors using Fractional Approach", <i>Int. Conf. on Sustainable Development through Nuclear Research and Education (NUCLEAR 2019)</i>, Pitești, România, 3 – 7 June 2019.</li> <li>- "Nonlinear Dust Acoustic Waves in Dissipative Space Dusty Plasmas with Superthermal Electrons and Nonextensive Ions", <i>Communications in Theoretical Physics</i>, <b>65</b>, 606 (2016).</li> <li>- "Polarized-radiation transfer in atmospheric aggregates using the Mie-Rayleigh limit", <i>Applied Mathematical Modelling</i>, <b>40</b>, 3561 (2016).</li> <li>- "On Galerkin method for solving radiative heat transfer in finite slabs with spatially-variable refractive index", <i>International Journal of Thermal Sciences</i>, <b>100</b>, 416 (2016).</li> <li>- "Linear and nonlinear analysis of dust acoustic waves in dissipative space dusty plasmas with trapped ions", <i>Journal of Theoretical and Applied Physics</i>, <b>9</b>, 167 (2015).</li> <li>- "Random Variable Transformation for Generalized Stochastic Radiative Transfer in Finite Participating Slab Media", <i>Physica A: Statistical Mechanics and its Applications</i>, <b>435</b>, 66 (2015).</li> <li>- "Radiative heat transfer in variable-refractive-index slab media using Pomraning-Eddington approximation", <i>International Journal of Heat and Mass Transfer</i>, <b>70</b>, 688 (2014).</li> <li>- "Polarized radiation transfer in finite atmospheric media" <i>Planetary and Space Science</i>, <b>55</b>, 1283 (2007).</li> <li>- "Time-dependent neutron transport in finite media using Pomraning-Eddington Approximation", <i>Annals of Nuclear Energy</i>, <b>32</b>, 343 (2005).</li> <li>- "Stochastic radiative transfer in a finite plane-parallel medium with general boundary conditions", <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i>, <b>74</b>, 285 (2002).</li> </ul>						

**Participated in more than 40 conferences.**

- Annual Meeting of International Nuclear Security Education Network (INSEN), 8-12 July 2019, IAEA, Vienna International Centre (VIC), Austria.
- FISA 2019 and EURADWASTE '19 conferences in Safety of Reactor System and Radioactive Waste Management, 4 – 7 June 2019, Pitești, România.
- 12<sup>th</sup> International Conference on Sustainable Development through Nuclear Research and Education (NUCLEAR 2019), 3 – 4 June 2019, Pitești, România. **Chairman of the scientific session “Nuclear Reactors, Reactor Physics and Nuclear Fuels”**.
- Invited Speaker in the conference “Making Learning Science Fun SciFUN”, 23 November 2017, University of Pitești, România.
- 5<sup>th</sup> International Conference on Tertiary Education in the MENA entitled “Paradigm Shifts in Tertiary Education: Improved Governance and Quality for Competitiveness and Employability”, May 30-June 1, 2016, Algiers, Algeria. **Representative of Mansoura University.**
- 9<sup>th</sup> International Conference on Sustainable Development through Nuclear Research and Education (NUCLEAR 2016), 18 – 20 May 2016, Pitești, România. **Chairman of the scientific session “Nuclear Reactors and Safety & Severe Accidents”**.
- 7<sup>th</sup> International Conference on Sustainable Development through Nuclear Research and Education (NUCLEAR 2014), 28 – 30 May 2014, Pitești, România. **Chairman of the scientific session “Nuclear Reactors and Gen IV”**.
- International Conference on Advancements in Nuclear Instrumentation, Measurement Methods and their Applications (ANIMMA), 7 – 10 June 2009, Marseille – France.
- 2<sup>nd</sup> International Conference on Current Problems in Nuclear Physics and Atomic Energy (NPAE-Kyiv2008), 9 – 15 June 2008, Kyiv, Ukraine. **His poster is selected as the best poster among the conference papers.**
- VII Radiation Physics and Protection Conference (RPC2004), 27-30 November 2004, Atomic Energy Authority.
- International Conference on Mathematics, Nuclear Physics and Applications in the 21st Century (ICMNP), 8-13 March 2003, Atomic Energy Authority, Cairo, Egypt.
- 3<sup>rd</sup> Conference on Nuclear and Particle Physics (NUPPAC'01), 20-24 October 2001, Atomic Energy Authority, Cairo, Egypt.

Representative Awards and Presentation in Important Conferences,

Review scientific articles in the field of Theoretical Physics (Radiative Transfer) in international scientific journals in [www.elsevier.com](http://www.elsevier.com); Taylor & Francis Group; [www.springer.com](http://www.springer.com):

- Journal of Quantitative Spectroscopy and Radiative Transfer – International Journal of Thermal Sciences – Journal of Computational and Applied Mathematics – Waves in Random and Complex Media – Indian Journal of Physics – Planetary and Space Science – Annals of Nuclear Energy – Nonlinear Dynamics – Astrophysical Journal – Journal Infrared Physics and Technology – Journal of Engineering Mathematics.
- Member of Editorial Advisory Board of “Journal of Nuclear Research and Development”, Published by Institute of Nuclear Research (RATEN ICN Pitești, Romania) [www.jnrd-nuclear.ro](http://www.jnrd-nuclear.ro).

Miscellaneous Activities

**Awards and Prizes:**

- Dakahlyia State Award and Honoring Certificate (1999).
- The Prize of the best Master Thesis in Physical Sciences, 2004-2005, Mansoura Univ., Egypt.
- The Prize of Prof. Ahmad A. Hamza in Physics, 2005-2006, Cairo University, Egypt.
- Honoring Certificate from Mansoura University in the celebration of Science day (July 2009).
- MU Scientific Publications Incentive Awards (years 2012, 2014, 2016, and 2018).
- Honoring form President of Mansoura University for the Youngest Physics Professor (2016).
- FISA 2019 International conference award for selective scientific papers (June 2019).
- Honoring Certificate from Mansoura University in Science day (July 2019).

**Member in many scientific societies and networks, e.g.,**

- International Nuclear Security Education Network (INSEN), IAEA Vienna.
- 2003 American Association for the Advancement of Science (AAAS).
- Egyptian Nuclear Physics Association (ENPA)
- Egyptian Syndicate of Scientific Profession (ESSP).

**Miscellaneous Activities:**

- Director of Mansoura University International Relations Office, Nov. 2015 till Nov. 2019.
- Board member of the Delta Sector Development Research Center, ASRT, MHESR, Egypt.
- Participated in 30 Erasmus ICM activities in Greece, Cyprus, Romania, Bulgaria, Estonia, and Lithuania.
- Member of two European Erasmus Capacity Building Projects CBHE in Mansoura University.
- ERASMUS Institutional Coordinator for 30 ICM projects with EU universities.
- Passed DIES training course on “Management of Internationalization”, Leibniz University of Hannover.
- On behalf of MU President, attended the 4<sup>th</sup> Presidents Forum of Transport Universities of Russia, China and countries along the One Belt And One Road, Chang’an University, China 13-16.12.2017.
- Represented Mansoura University in many occasions for signing agreements and international cooperation.
- Organized and coordinated many workshops, seminars and conferences nationally and internationally.
- Supervising some master and Ph.D. students in the field of Radiative Transfer and Plasma Physics, ...