



YOUR NAME:SHAIMAA ABDULLAH NOURELDEIN ELYAMNY

CURRENT POSITION:RESEARCHER

PERSONAL INFORMATION	Full Name: Affiliations: Address: Mobile No.: E-mail: Important links:	Shaimaa Abdullah NourElDeinElyamny Researcher Electronic Materials Department- Advanced Technology and New materials Research Institute - City of Scientific Research and Technological Applications (SRTA-City). 01098786230 selyamny@srtacity.sci.eg , shaimaa_555.alex@yahoo.com orcid.org/0000-0002-3153-7586 , 56355198500
EDUCATION	PhD : Faculty of Science, Alexandria University, 2016 . M.Sc. : Faculty of Science, Alexandria University, 2009 . B.Sc. : Faculty of Science, El-Azhar University, special physics, 2005 (very good).	
ACTIVITIES	<p>Projects Preparation, Characterization and Optimization of Thin films solar cells based on metal sulfides compound semiconductors, STDF, ID: 1349, From 1-6-2010 to 31-5-2012. Budget: 870,000 L.E. Partners: Mohamed Abdel Rafea, Alaa Abdel Halim Farag, Naglaa Roushdy, Sara Gad, ShaimaaElyamny.</p> <p>Administrative:</p> <ol style="list-style-type: none"> 1- Electricity and Magnetism course for undergraduate students, Faculty of Engineering, Arab Academy for Science and Technology and Maritime Transport, (AASTMT), Alexandria, Egypt, (2009 – 2012). 2- Oscillations and mechanical waves, light and preparatory physics courses for undergraduate Navigation students, Faculty of Engineering, Arab Academy for Science and Technology and Maritime Transport, (AASTMT), Alexandria, Egypt, (2009 – 2012). 3- Demonstrator of physics part time, Faculty of Science, Damanhur University, Egypt (2008) 4- Demonstrator of physics part time at the faculty of Science, Alexandria University, Egypt (2007). <p>Papers review:</p> <ol style="list-style-type: none"> 1- Materials Engineering Journal (2019). 	

- 2- Materials Engineering Journal, (2019).
- 3- Journal of Materials Science and Chemical Engineering (MSCE), (2019).
- 4- Journal of Materials Science and Chemical Engineering (MSCE),(2019).
- 5- Journal of Physics and Chemistry of Solids, (2018).
- 6- Journal of Physics and Chemistry of Solids, (2018).
- 7- Journal of Physics and Chemistry of Solids, (2018).

Conferences and Workshop:

- 1- N. Roushdy and Sh. Elyamny, "Cobalt sulfide nanoparticles preparation for supercapacitor applications", The Fifth International Conference on Advanced Sciences (ICAS5), 9 th -12th Nov. 2019, Hurghada, Egypt.
- 2- ShaimaaElyamny, ElisabettaDimaggio and Giovanni Pennelli, "High power thermoelectric generators based on large arrays of silicon nanowires", The 17th European Conference on Thermoelectrics (ECT 2019), 23-25 September 2019, Limassol, Cyprus.
- 3- ShaimaaElyamny, ElisabettaDimaggio and Giovanni Pennelli, "Thermoelectric characterization of silicon nanowire forests", La settimanaedizione delleGiornatesullaTermoelettricità (GiTe 2019), 20 - 21 Febreuary 2019, Bologna, Italy.
- 4- ElisabettaDimaggio, ShaimaaElyamny and Giovanni Pennelli, "Fabrication and characterization of thermoelectric generators based on silicon nanowire forests", 37th Annual International and 16th European Conference on Thermoelectrics (ICT2018), 1- 5 July 2018, CAEN (Normandy), FRANCE.
- 5- ShaimaaElyamny and Abd El-Hady B. Kashyout, "Preparation and Characterization of The Nanostructure Bismuth Telluride Thin Films Deposited by Thermal Evaporation Techniqu", 15th European Conference on Thermoelectrics (ECT2017), 25-27 Septemper 2017, Padova, Italy.
- 6- ShaimaaElyamny, "ElectrospunSnS nanofibers for thin film Solar Cells", 12th International Conference on Nanosciences& Nanotechnologies (NN15), 7-10 July 2015, Thessaloniki, Greece.
- 7- M. Fathy, A. B. Kashyout, Sh. Elyamny, G. Roston and A. Beshara, "Electrodeposition of CdS thin film from non-aqueous solution for CdS/SnS solar cells",1 st international conference on New Horizons in Basic and Applied Science (ICNHBAS 2013), 21 - 23 September 2013, Hurghada, Egypt.
- 8- M. Fathy, A. B. Kashyout, Sh. Elyamny, G. Roston, A. Beshara, "Optimizing the electrodeposition parameters of SnS thin film from non-aqueous solution for CdS/SnS solar cells", The International Conference on "Solar Energy for World Peace" 17-19 of August 2013, Istanbul, Turkey.

	<p>9- Judger in The International Liberty School Science Fair 2013-2014.</p> <p>10- The Specialized Scientific Training Workshop Application of Nanochemistry in Energy Water and Environment Development, 14 April 2013, the Department of Chemistry, Faculty of Science, ASU, Cairo, Egypt.</p> <p>11- US-Egypt workshop on synthesis, characterization and Industrial Applications of Nanoparticles and Nanostructure materials, December 3 - 5, 2012, Alexandria – Egypt.</p> <p>12- The Fourth Arab International Conference in Physics and Materials Science (CPMS), October 1 - 3, 2012, Alexandria, Egypt.</p> <p>13- M. Abdel Rafea, A. A. M. Farag, N. Roushdy, Sara Gad and Sh. El yamny, "Formation of n-ZnCdS/p-Cu₂S hetero junction by low cost dip technique for photovoltaic application and its characterization", photovoltaic technical conference: thin film and advanced silicon solution, 06 – 08 June 2012. Congress Centre in Aix en Provence (France).</p> <p>14- The TWAS-ARO 7th Annual Meeting-Water, Nuclear and Renewable Energy: Challenges Versus Opportunities: 28 - 29 December 2011, at the Bibliotheca Alexandrina, Alexandria, Egypt.</p> <p>15- Sh. El yamny and M. Abdel Rafea, "Influence of dopant concentration on the optical properties of ZnO: In films by dip coating method", The XXIX Conference: Solid State Science and Materials Physics Workshop: Graphene and Photonic Crystal 03 - 06 October 2011, Sharm El-Sheikh, Egypt.</p> <p>16- A.I.Abou-Aly, A.ElKhatib, N.H.Mohammed, R.Awad and Sh.A.Nour El Dein, "Effect of post-oxygen annealing on the superconducting parameters of (Tl_{0.8} Hg_{0.2})Ba₂Ca₂Cu₃O_{8-δ} substituted by Sb", The 1st International Joint Conference on Materials Science & Nanotechnology and Biotechnology - MNB 09- (Future challenges) January 4- 6 th , 2009-NRC- Cairo, EGYPT.</p> <p>17- A.I.Abou-Aly, A.ElKhatib, N.H.Mohammed, R.Awad and Sh.A.Nour El Dein, "Effect of Sb on the physical properties of (Tl_{0.8} Hg_{0.2})Ba₂Ca₂Cu₃O_{8+δ} superconducting phase", The Second Arab International Conference in Physics and Materials Science (CPMS), Alexandria, Egypt, October 27 - 29, 2007.</p>
GRANTS & AWARDS	<p>Grants: Post-doctorate (2/2018 – 5 /2019)at the Dipartimento di Ingegneriadell'Informazione, Università di Pisa, Pisa, Italy.</p> <p>Training: “The 4th International Workshop on Clean room Training for Critical & Sustainable Technologies:Sensors”, Bilkent University – UNAM, Ankara / Turkey (16 – 27 June 2014).</p>

	Awards: Scientific achievement Award for year 2015 by SRTA-City.
LIST OF PUBLICATIONS	<p>1- ShaimaaElyamny, ElisabettaDimaggio, Stefano Magagna, Dario Narducci, Giovanni Pennelli, High power thermoelectric generator based on vertical silicon nanowires, accepted in Nano Letters (2020).</p> <p>2- ShaimaaElyamny and Abd El-Hadykashyout, "Preparation and Characterization of TheNanostructured Bismuth Telluride Thin Films Deposited by Thermal Evaporation Technique", Materials Today: Proceedings, 8 (2019) 680–689.</p> <p>3- G.Pennelli, Sh.Elyamny and E.Dimaggio, "Thermal conductivity of silicon nanowire forests", Nanotechnology 29 (2018) 505402.</p> <p>4- MarwaFathy, ShaimaaElyamny, Siham Mahmoud and Abd El-Hady B. Kashyout, "Effect of Thermal and Chemical Treatment on Electrodeposited CdTe Thin Films for Solar Cell Applications", Int. J. Electrochem. Sci., 10 (2015) 6030-6043.</p> <p>5- MarwaFathy, Abd El-Hady B. Kashyout, ShaimaaElyamny, Gamal D. Roston, AhmedA. Bishara, "Effect of CdCl₂ Concentration and Heat Treatment on ElectrodepositedNano-Crystalline CdS Thin Films from Non-Aqueous Solution", Int. J. Electrochem. Sci.,9 (2014) 6155 - 6165.</p> <p>6- Sh. El yamny and M. Abdel Rafea, "Preparation and Characterization of ZnO: In Transparent Conductor by Low Cost Dip Coating Technique", Journal of Modern Physics,3 (2012)1060-1069.</p> <p>7- A.I.Abou-Aly, M. Roumié, N.H.Mohammed, A.ElKhatib, R.Awad and S.A.Nour El Dein,"Ion Beam Analysis and Physical Properties Measurements of(Tl_{0.8}Hg_{0.2}-xSbx)Ba₂Ca₂Cu₃O_{9-δ}" Journal of Superconductivity and Novel Magnetism, 22(2009) 495–504</p>