



## MARWA SHABAAN HUSSIEN SHOMAN

**ASSOCIATED PROFESSOR** IN FABRICATION TECHNOLOGY RESEARCH DEPARTMENT,  
ADVANCED TECHNOLOGY AND NEW MATERIALS RESEARCH INSTITUTE

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| <p><b>PERSONAL INFORMATION</b></p> | <p>Full Name:<br/>Affiliations:<br/>Address:<br/>Mobile No.:<br/>E-mail:<br/>Important link-</p>  | <p>MarwaShabaanHussienShoman<br/>Associated professor in Fabrication Technology Research Department, Advanced Technology and New Materials Research Institute, City for Scientific Research and Technology Application.<br/>SediGaber – Alexandria – Egypt<br/>01225418503<br/><a href="mailto:marwashowman@yahoo.com">marwashowman@yahoo.com</a></p> |
| <p><b>EDUCATION</b></p>            | <ul style="list-style-type: none"> <li>• <b>PhD</b> in materials science (preparation and characterization of alumina-polyamide nanocomposite membranes for water desalination), may 2017, Alexandria University, Egypt.</li> <li>• <b>M.Sc</b> in materials science (preparation and characterization of nanocrystalline zirconia for catalytic applications), July 2010, Alexandria University, Egypt.</li> <li>• <b>Diploma</b> in materials science , 2004, Alexandria university, Egypt</li> <li>• <b>B.Sc</b> in Chemistry, may 2002, (Very Good), Faculty of science, Alexandria University</li> </ul> |   |
| <p><b>ACTIVITIES</b></p>           | <p><u>Courses</u></p>   |   |

- Training course for system analysis and design in fujitsu, 2004
- Training course for laboratories quality management according to ISO-17025

### **Workshops**

- Co-organization of the US-Egypt workshop on synthesis, characterization and industrial applications of nanoparticles and nanostructure materials - November 2005
- Attending workshop entiteled " the consolidation of the researchers' skills to publish international reviews" organized by the Bibliotheca Alexandria during the period 15-17 June 2014
- Attending workshop entiteled "ElectrospinningTechniqueApplication" organized by City for Scientific Research and Technology Applications - April 2018
- Attending workshop entitled " water desalination and renewable energy for sustainable development" organized by Desert research center- November 2018
- Attending young scientists training program entitled " research ethics essentials: conduct your research responsibly " organized by center for special studies and programs (CSSP) , Bibliotheca Alexandria during the period 18-20 December 2018
- Participating in workshop entitled "safety precautions in

laboratories and industry" organized by City for Scientific Research and Technology Applications, January 27, 2019.

### **Conferences**

- Attending The 15<sup>th</sup> Arab international conference on materials science "materials for water applications" - December 2014.
- Attending the international conference on "Recent trends in chemistry ICRTC", Hurghada, Egypt - April 2017.
- Participating as poster presentation entitled "Preparation and characterization of polyamide - modified alumina nanocomposite membrane for water desalination" in the "third international water desalination conference", 26-28 February 2019, Cairo, Egypt.

### **Projects**

- Member at the project entitled "Nanocomposite thin film membranes based on polymers and clays for reverse osmosis utilization". Supported by STDF No: 3988.

- lecturer and responsible for summer and winter school of "nanotechnology, science and applications" In Advanced Technology and New Materials Research Institute, City for Scientific Research and Technology Application 2019.

- امين مجلس قسم تكنولوجيا التصنيع ومجلس معهد المواد الجديدة من 2018/6 الى 2019/6

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|                                    | <ul style="list-style-type: none"> <li>• عضو لجنة فحص الكيماويات والمستلزمات المعملية بالمدينة</li> <li>• عضو لجنة اعادة تدوير مياه الصرف بالمدينة واستعمالها لرى المسطحات الخضراء بالمدينة</li> <li>• عضو لجنة الفحص بمعهد التكنولوجيا المتقدمة و المواد الجديدة</li> </ul>  |
| <p><b>GRANTS &amp; AWARDS</b></p>  | <p>-</p>  |
| <p><b>LIST OF PUBLICATIONS</b></p> | <ol style="list-style-type: none"> <li>1. HossamTieama; Ahmed Doma; <b><u>Marwa Showman</u></b>; ElbadawyAbdelazizKamoun ,Compatibility of PVC/TEA Blends Membranes Preparation,Characterization, Evaluation and Their Water Permeation Properties",Egyptian journal of chemistry, Articles in Press, Accepted Manuscript , Available Online from 10 May 2020</li> <li>2. M.M. Abd El-Latif, Amal M. Ibrahim, <b><u>M. S. Showman</u></b>, R. R. Abdel Hamide, Magnetic Alumina Nano Composite for Cadmium Ions Removal From Aqueous Solutions, ADST 5th International Conference 2010 Desalination Technologies &amp; Water Reuse, Alexandria, December 28-29th 2010.</li> <li>3. M.M. Abd El-Latif, <b><u>M. S. Showman</u></b>, Amal M. Ibrahim,M.M.Soliman, optimizing the preparation parameters of nanocrystalline zirconia for catalytic applications, Acta</li> </ol> |

Metall.Sin.,Vol.26, No. 5, pp.565-573, 2013.

4. M.M. Abd El-Latif, Amal M. Ibrahim, **M. S. Showman**, R. R. Abdel Hamide, Alumina/Iron Oxide Nano Composite for Cadmium Ions Removal from Aqueous Solutions, International Journal of Nonferrous Metallurgy, 2013, 2, 47-62.