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| **Samaa Imam Mahmoud El-Dek**  **S.I.El-Dek**  **Prof.Physics-Materials Science and Nanotechnology** | | | | |
| **68 st Moshir Ahmed Ismail, distinguished district, 6 October City, Giza** | **(+2) 01029200873** | | | [**Samaa@psas.bsu.edu.eg**](mailto:Samaa@psas.bsu.edu.eg)  [**didi5550000@gmail.com**](mailto:didi5550000@gmail.com) |
|  | | **Current Position** | |  |
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| |  |  | | --- | --- | |  | * *Head of Materials Science and Nanotechnology Department at Faculty of postgraduate studies for advanced sciences (PSAS), Beni-Suef University, Beni-Suef, Egypt (2023 till now)* * *Director of The International Ranking and Sustainable development office,* *Beni-Suef University, Beni-Suef, Egypt (2016 till now)* | | | | | |
| **Positions** | | | **المناصب و عضويه مجالس اداره** | |
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| *-Former Vice-dean of postgraduate and research affairs at faculty of postgraduate studies for advanced sciences (PSAS), Beni-Suef University, Beni-Suef, Egypt (2023-2024)*  *Former Vice-dean of Environmental development and Community services at faculty of postgraduate studies for advanced sciences (PSAS), Beni-Suef University, Beni-Suef, Egypt (2021-2023)*  *-* *Former Vice-dean of* *postgraduate and research affairs at Faculty of postgraduate studies for advanced sciences (PSAS),* *Beni-Suef University, Beni-Suef, Egypt (2018-2020).*  *-Head of Materials Science and Nanotechnology Department at Faculty of postgraduate studies for advanced sciences (PSAS), Beni-Suef University, Beni-Suef, Egypt (2015-2019)*  *-Director of the central laboratory at Faculty of postgraduate studies for advanced sciences (PSAS, Beni-Suef University, Beni-Suef, Egypt ( Dec-July 2016)*  *-Co-director of the international publication Unit, (Dec-July 2016), Beni-Suef University, Beni-Suef, Egypt*  *- Director of The International Ranking and Sustainable development office, Beni-Suef Uni. ( 2016-present)*  *-Scientific Consultant of the MIU president (2018-2020)*  *-Scientific Consultant at Hail University -Saudi Arabia (2022-2023)*  *-Academic Expert in National Initiative of Green Smart Projects - Egyptian Institute of Governance and Sustainability- Ministry of Planning and Economic Development (2023-2024)*  *-Beni-Suef Uni Representative at the Association of Arab Universities, Sustainable Development Solution Network (SDSN, UN)*   |  |  | | --- | --- | | Languages |  | |  |   Excellent French  Excellent English and Fair German | | | | |
| Diplomas and Degrees awarded | | | **المؤهلات العليا و التدرج العلمي** | |
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**Diplôme De L’alliance Française** -1992

**Diplôme De Secrétariat**- Chambre De Commerce et d’industrie De Paris 1992

**Diplôme De Tourisme et Hôtellerie** - Chambre De Commerce et d’industrie De Paris 1993

**Diplôme De Français Scientifique et Technique**- Chambre De Commerce et d’industrie De Paris 1995

**B.Sc. in Physics**, Special Physics, Faculty of Science, Cairo University, grade GOOD, (May 1997).

**M.Sc. in Physics**, Faculty of Science, Cairo University, (December 2001).

Title of the thesis” Electrical Properties of Mg-Ti ferrite Doped with rare earth”.

**Ph.D. in Physics**, Faculty of Science, Cairo University, (May 2006).

Title of the thesis” Transport and Magnetic Properties of some Compounds with Perovskite Structure”.

**Ass. Prof. in Physics** at December 2014

**Professor of Physics**- Materials Science at December 2020

Interdisciplinary Research Excellence program, (September-December 2020) from Knowledge E, Australian National University, EKB.

Interdisciplinary Research Excellence: Research Impact, (April 2021-August 2021) from Knowledge E, Australian National University, EKB.

Teaching excellence in Physics, from ASRT, Knowledge E, EKB, IOP, (October-March 2022)

Advanced Teaching excellence in Physics, from ASRT, Knowledge E, EKB, IOP,(March-June 2022)

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| Publications | **مساهمه البحوث في خدمه المجتمع وابحاث ذات مردود اقتصادي** |
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* National patent office (ASRT) approved, entitled by Ultrafast and Scalable Purification of Graphene Oxide Colloid and Miscellaneous Colloids Using a Novel Setup Including hollow fibers dialyzer.
* National patent office (ASRT) Registered
* **Total number of publications= 160, citations= 3412, h -index 33 (scopus@30-10-2024)**

**See list of Publications**

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| Professional memberships | **عضويه مجالس لجان علميه** |
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* Member of the Egyptian Society of Materials Research.
* Member of the Egyptian Society of Polymer Science and Technology.
* Member of the African economic council.
* Member of the Topical society of laser science.
* Member of the Inventor technology association.
* Member of the board of the Central Laboratory at faculty of postgraduate studies for advanced sciences (PSAS), Beni-Suef University, Beni-Suef, Egypt.
* Member of the University Performance Development centre, Beni-Suef University, Beni-Suef, Egypt.
* Member in the committee of development of Physics courses, Basic Science Sector Committee.
* Member of the Awards committee at Beni-Suef University, Beni-Suef, Egypt.
* Member of the National Nanotechnology Network - the Academy of Scientific Research, ASRT.
* Member and representative of the University in the National Committee for International ranking at the Ministry of Higher Education.
* Member and representative of the University in the National Committee for sustainable development and governance.
* Member of Faculty Council at faculty of postgraduate studies for advanced sciences (PSAS), Beni-Suef University, Beni-Suef, Egypt.
* Member and University representative at SDSN (sustainable development solutions network#UN)
* Member of the Arab Physical Society
* Member and University representative of the Arab Universities Association

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| Work experience |  |
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| Teaching Theory and Applications of nanochemistry at the Institute of Nanotechnology Kafr elShekh University | **[2022]** |
| Teaching Metallurgy for 4th-year students, faculty of earth sciences, BSU | **[2020]** |
| Teaching materials science, crystallography, magnetism ordered substances for Premaster students at PSAS, BSU | **[2018-now]** |
| Teaching (nanoscience and nanotechnology-) for Pre-master and Ph.D. students at Faculty of Engineering –Benha University | **[2016-2018]** |
| Teaching Scientific Writing-Ethics-Plagiarism at BSU | **[2015-2016]** |
| Teaching at PSAS, Beni-Suef Uni, Materials science, Semi-conductor nanostructures, thin film technology, Nanobiomedicine, Biomedical applications of nanomaterials, for Premaster and Diploma Students | **[2014-now]** |
| Secretary of the promotion committee of Physics | **[2010-2015]** |
| Teaching physics in Faculty of computer science in Arab Open University [AOU]- Nasr city | **[2010-2011]** |
| Building and designing new experiments in the communication lab (fiber optics) for 3rd, 4th year, teaching in the communication lab, and author of the experiments sheet and booklets. | **[2008-2010]** |
| Researcher in Materials Science Lab. (1), Physics Dept., Faculty of Science, Cairo University, Giza, Egypt. | **[2003-2015]** |
| Teaching Experimental Physics for 1st, 2nd years and Computer Labs (virtual labs) Physics Dept., Faculty of Science, Cairo University, Giza, Egypt. |  |
| Teaching Experimental Physics for 1st, 2nd, 3rd, and 4th-year Physics Dept., Faculty of Science, Cairo University, Giza, Egypt | **[2003-2007]** |
| Teaching Experimental Physics for 1st and 3rd year at Physics Dept., Faculty of Science, Cairo University, Fayoum Branch | **[2000-2003]** |
| Teaching Experimental Physics for 1st and 2nd-year Faculty of Dentistry- 6 October University | **[1999-2000]** |
| Teacher of Science for Preparatory cycle and Physics for 1st and 3rd Secondary, Faculty of Artificial learning- | **[1998-1999]** |
| Delta Language School- 6 October City -Giza | **[1997-2000]** |

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| Conferences | ا**نجازات في مصلحه المجتمع العلمي** |
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| Conference | Date | Role | Location |
| The Fourth International Conference (Science, Development, and Environment) | March-2001 | Participation (with one paper) | Al-Azhar University |
| The International Conference of Materials Science and Technology | April 2001 | Participation (with one paper) | Cairo University, Beni-Suef Branch. |
| The International Conference of Advanced Vibrational Spectroscopy | August 2001 | Participation (with one accepted paper) | Turku, Finland |
| The Fifth International Conference (Science, Development, and Environment) | March 2003 | Participation (with one paper) | Al-Azhar University |
| The first annual conference on environmental risk management under modern technological aspects | November 2004 | Participation (with two papers) | Modern Academy |
| The First Conference of the Scientific organizations in Cairo University (University Students making Future) | April 2005 | Organizer | Cairo University |
| The Second Conference of the scientific organizations in Cairo University (University Students towards Scientific Research) | March 2006 | Organizer | Cairo University |
| The Third Conference of the Scientific organizations in Cairo University (University Students thinking mind and hand working) | April 2007 | Organizer | Cairo University |
| The Third International Conference of Modern Trends in Physics Research (MTPR-08) | April 2008 | Participation (with two papers) | Cairo University |
| The fourth International Conference of Modern Trends in Physics Research (MTPR-010) | December-2010 | Participation (with two papers) | Cairo University |
| The 3rd International conference of advanced sciences (ICASIII) | Nov2015 | Participation (with two papers) and session chairman | Hurghada |
| 1the 1st International Conference of health between Nutrition and treatment | August 2015 | Invited Keynote speaker | Beni-Suef University, Egypt |
| The 4th International conference on Photodynamic diagnosis and cancer therapy (ICPDT2016) | December2016 | Attendance | GUC, Egypt |
| The 1st International Conference of Environmental Security and Global Climate Change | April 2016 | Keynote speaker | Beni-Suef University, Egypt |
| The International conference of nanotechnology, NanoPorto, INL | Februray2016 | Participation (with one paper) | Portugal |
| The 4th international conference of advanced sciences (ICAS4) | 7-10 Nov2017 | Participation (with three papers)&Session Chair | Hurghada |
| Improving Research Strategies at BSU symposium | September 2016 | Keynote speaker | Beni-Suef University, Egypt |
| 2nd International conference on Environmental Science and Industrial Development | April 2018 | Keynote keynote speaker | Beni-Suef University, Egypt |
| Bridging Gaps In Oncology | November2018 | Invited keynote speaker for 2 lectures | Egypt |
| The 5th international conference of advanced sciences (ICAS5) | November2019 | Organizer & CoChairman | Hurghada-Egypt |
| The international conference “Environmental Pollution risks in developing countries” | March 2020 | Scientific committee member | Beni-Suef University, Egypt |
| Meeting of Africa University Presidents (Sustainable Development Solution network SDSN) | 10 March 2022 | Attendance  University representative | Online |
| 1st forum of Sustainable Development and governance | 30 March 2022 | Member and Attendance, University representative | Ramses Hilton, Cairo, Egypt |
| The role of Interdisciplinary Sciences in the Development of industry | May 2022 | Organizer, Keynote speaker, session Chairman | PSAS, Beni-Suef University, Egypt |
| International Conference on nanotechnology | September 2022 | Keynote speaker | Faculty of Nanotechnology, Cairo University |
| Advances in Materials Science International Conference AIMS | November 2023 | Keynote speaker | Lahore University, Pakistan |
| Supreme Council of Universities committee for “ Evaluation of Best Eco friend Green University” | May 2023 | Keynote speaker and Organizer of the visit at the premises of BSU | Beni-Suef University, Egypt |
| Supreme Council of Universities committee for “ Evaluation of Best Eco friend Green University” | May 2024 | Keynote speaker and Organizer of the visit at the premises of BSU | Beni-Suef University, Egypt |
| 5th International Environmental conference “Green is a life Style” | July2024 | Keynote speaker | Beni-Suef University, Egypt |
| Physics Summer School “Arab Physical Society” | August 2024 | Keynote speaker | Zewail City of Science and Technology, Egypt |
| Times Higher Education international conference “ Digital Universities Arab world” | September 2024 | Attendance | AUC, Egypt |
| 3rd International Symposium, COE water and agriculture, BSU, AUC USAID, | October 2024 | Organizer, Session Chairman | Semiramis Intercontinental, Cairo, Egypt |
| Advances in Materials Science International Conference AIMS | November 2024 | Keynote Keynote speaker | Lahore University, Pakistan |

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| **Training Courses&Work shops** |  |
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| Workshops | Date | Role | Location |
| Intensive training course on Quality Standards in teaching | December 2014 | Attendance | Beni-Suef University, Egypt |
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| The 3rd workshop of the ENNN | March 2016 | participant | Sharm-el sheik, Egypt |
| Workshop on How to write a proposal for funding | March 2016 | Organizer and Keynote speaker | Faculty of Postgraduate studies for advanced sciences, Beni-Suef University |
| Workshop on how to avoid Plagiarism | May 2016 | Organizer and Keynote speaker | Faculty of Postgraduate studies for advanced sciences, Beni-Suef University |
| Workshop of Newton Mosharafa Calls | May 2016 | participant | the British council, Egypt |
| Workshop on nanomaterials production ( Production Scale) | October 2016 | Keynote speaker | Cairo University |
| Ranking-BSU | July 2016 | Keynote speaker | the BSU council |
| Training Course in the International ranking of the universities- organized by the Arab Universities Union | October 2016 | Attendance and Keynote speaker | Cairo University |
| Training Course of DAAD:competitive proposal writing | November 2016 | Keynote speaker | Beni-Suef University |
| Intensive training course on Integrity, transparency , anti corruption | December 2017 | Attendance | Beni-Suef University, Egypt |
| the workshop on nanomaterials production (Production Scale) | October 2017 | Keynote speaker | at CMRDI |
| workshop on Engineering Village organized by Elsevier | September 2017 | Keynote speaker | PSAS- Beni-Suef University |
| the Academy for Research Methodology organized by Nature Research Academy | October 2017 | Keynote speaker | Beni-Suef University |
| the International Workshop (Recent trends in nanotechnology) | 5 Nov.2017 | Keynote speaker | Held at Beni-Suef University |
| workshops organized by EKB started at the ministry of higher education | the period September-December 2017 | Attendance | Beni-Suef University |
| Completion of the Data collection Master Class organized by Knowledge | 24 September 2017 | Attendance | Cairo |
| the master class course (citation Analysis Master class) held at CWST- Leiden | 27-29 November 2017 | Attendance | The Netherlands |
| Intensive training course on Research Ethis | February 2018 | Attendance | Beni-Suef University, Egypt |
| Times higher Education, Sciences of higher education | 19 march 2018 | Keynote speaker | King Abdul Aziz University, Jeddah Saudi Arabia |
| the “QS Ranking Roadshows workshop | September 2018 | Attendance | Ain Shams University |
| The New trends in Research Dissemination | 16 April 2018 | Attendance | the ministry of higher education-Cairo |
| “Nanotechnology: future and challenges” | 4-5 September 2018 | Attendance | nature at PSAS- Beni-Suef University, Egypt |
| Intensive training course on Communication Skills | July 2018 | Attendance | Beni-Suef University, Egypt |
| workshop (Publications in the biomedical field) in collaboration | 4 October 2018 | Attendance | Beni-Suef University |
| Quality in research: from research topic identification to publishing | May 2018 | Attendance | Clarivate, EKB, Egypt |
| the training organized by EKB- QS | 9, 10 December 2018 | Attendance | The ministry of higher education |
| the Master class in Scientific writing and publishing organized by Nature with EKB | November 2017 | Attendance | ASRT, Egypt |
| the Master class in Scientific writing and publishing organized by Nature with EKB | November 2018 | Attendance | Beni-Suef University |
| workshop organized by EKB- Elsevier on “THE impact ranking” | 17 January 2019 | Attendance | at the ministry of higher education |
| “Nanotechnology: future and challenges” | 12 February 2019 | Attendance | PSAS- Beni-Suef University, Egypt |
| one day workshop on international publication with IOP-EKB | 26 March 2019 | Attendance | PSAS- Beni-Suef University, Egypt |
| Intensive masterclass, Nature master class, Scientific Writing, | 9-10 October 2019 | Keynote speaker | PSAS, BSU, Egypt. |
| “Emergent Materials: Concepts, Methodologies and Future Applications Workshop | November 2019 | Attendance | ASRT, Cairo, Egypt |
| Scientific committee member, attending the international conference “Environmental Pollution risks in developing countries” | 3-4 March 2020 | Attendance | Beni-Suef University, Egypt |
| Workshop on  Advanced Materials for Sustainable Development (CMRDI) | 16 June 2021 | Chairman | CMRDI, Cairo, Egypt |
| Monitoring Performance of SDGs via Scival | October 2021 | Attendance | Egypt |
| Intensive University leadership training course | July 2021 | Attendance | Beni-Suef University, Egypt |
| State of the Art curriculum workshop (AUC-Alex-COE water-USAID) | 27-28 June 2022 | Attendance | Alexandria, Egypt |
| Info Session  COE Water | 3 August 2022 | Organizer, coordinator | PSAS, Egypt |
| Training workshop on QS analytics | September 2022 | Attendance | EKB, QS, Ministry of higher Education and Scientific Research |
| Nanoscience Day | November 2022 | Keynote speaker | El Galala University, Egypt |
| Applying for Arie Sklodwska Curie Action | September 2023 | Attendance | EKB, Knowledge E, Ministry of higher Education and Scientific Research, Egypt- Ain Shams IHUB |
| ‘From Idea to Funding: Mastering Research & Innovation Project Design for a Successful Application’ | September 2023 | Attendance | EKB, Knowledge E, Ministry of higher Education and Scientific Research, NRC, Egypt |
| Green Energy, Smart materials and advanced science technology workshop | May 2024 | Keynote speaker | Faculty of Science, Cairo University |
| Kick off meeting, International Board COE water and agriculture | 22 October 2024 | Attendance | Egypt |
| BRICS University Global Ranking workshop | 17-18 October 2024 | Attendance and Egyptian team representative | Moscow, Russia |
| Training workshop on QS analytics | October, November 2024 | Attendance | EKB, QS, Ministry of higher Education and Scientific Research |

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| Some Plenary Lectures | **انجازات في مصلحه المجتمع العلمي** |
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* Overview on M.Sc. and Ph.D. Work in Physics Dept., faculty of Science, Cairo University, Giza, Egypt, October-2007
* Participation by a plenary lecture entitled "functional materials: synthesis and properties" in the materials science workshop- Sohag University- November 2008- organized by the TEMPUS project.
* Participation by a plenary lecture entitled "functional Multiferroics: synthesis and properties" in Faculty of science Tanta University- May 2011.
* Participation by a plenary lecture entitled "How to write Research paper" in the workshop on "Nanotechnology" organized by the inventor association at Cairo University-July 2012.
* Participation by a plenary lecture entitled "Biomedical applications of nanomaterials" in the workshop on "Nanotechnology" organized by the inventor association at Cairo University -July 2012.
* Participation by a plenary lecture entitled "How to write Research paper in the training course on "Nanotechnology" organized by the Syndicate of scientific professions 2012
* Participation by a plenary lecture entitled "Biomedical applications of nanomaterials" in the training course on "Nanotechnology" organized by the Syndicate of scientific professions 2012
* Participation by a plenary lecture entitled "Biomedical applications of nanomaterials" in the training course on "Nanotechnology" organized by the Animal health research institute (June2012)
* Participation by a plenary lecture entitled "Biomedical applications of nanomaterials" in the workshop of nanobiotechnology held at Faculty of Post graduate studies for advanced sciences, Beni-Suef University, Beni-Suef, Egypt. March 2015
* Organization of a work shop (scientific thinking and planning), held at Faculty of Post graduate studies for advanced sciences, Beni-Suef University, Beni-Suef, Egypt. March 2015
* Plenary lecture” Nanomaterials; fabrication , characterization and biomedical applications” – 1st International conference of pharmacy- Health between Nutrition and Treatment-**,** Beni-Suef University, Beni-Suef, Egypt. 30 August 2015
* Plenary lecture “Nanovaccinology” Veterinary Serum and Vaccine Research Institute, Cairo, Egypt, 2 September 2015
* Organizing the 1st postgraduate student forum, Materials science and Nano.Dept. Faculty of Postgraduate studies for advanced sciences, Beni-Suef University, Beni-Suef, Egypt, 3 October 2015
* Participation by a plenary lecture entitled " nanomaterials and their biological applications" in the 1st Int. workshop of “recent advances on nanomaterials” held at Faculty of Post graduate studies for advanced sciences, Beni-Suef University, Beni-Suef, Egypt. 21-23 Nov2015
* Participation by a plenary lecture entitled” Functional materials” at the 1st Int.workshop of the Egyptian National Nanotechnology Network,Defining priorities for research cooperation between Egypt and India in Nanotechnology, ASRT-Egypt, 16-17 Nov.2015.
* Participation by a plenary lecture entitled” Multifunctional materials” at the the workshop oganized by Physics Commit- (IUPAP) ASRT held at Faculty of Post graduate studies for advanced sciences, Beni-Suef University, Beni-Suef, Egypt. 17-12-2015
* Participation by a plenary lecture entitled” Nanotechnolgy” at Fayoum University in a Student conference (21-8-2016)
* Participation by a plenary lecture in The Scientific research development at Beni-Suef University, 6 September 2016
* Participation by a plenary lecture entitled” Academic publishing and Ethics” PSAS Beni-Suef University, Beni-Suef, 10-2-2018
* Participation by a plenary lecture entitled” perovskite: multifunctional and more” in the internatioanl training course on nanotechnology held at PSAS, BSU 4-6 September 2018 in collaboration with EKB- Nano. Nature (springer-nature)
* Participation by 2 plenary lectures “Simple preparation of nanomaterials” and “Applications of nanotechnology in medicine “ in the international conference in oncology (Bridging gaps in oncology-BGO) held at Intercontinental city stars organized by the National cancer institute 7-9 December 2018
* Participation by a plenary lecture “Magnetic materials from micro to nano” in the 1st workshop (Nanomaterials for environmental and biomedical applications) held at the faculty of education- Ain shams Unievsrity 30 December 2019
* 4 days intensive course on (scientific thinking- Writing an international article- how to publish in indexed journals- -plagiarism ranking of universities) 6-9 March 2019 Ain Sokhna- Egypt
* Participation by a lecture “BSU-water researches” at AUC in the kick off meeting (25-27 March 2019) Centre of Excellence in Water Research, AUC, Egypt
* Participation in 2 plenary lectures “Simple preparation of nanomaterials” and “Applications of nanotechnology in medicine “in the National cancer institute 2 May 2019
* Heldng info session on “Egypt vision 2030, SDS-towards Sustainable development goals- how to organize the research plan” At the faculty of Science, Faculty of Engineering, BSU, Egypt, December 2019
* Participation by a lecture “Cairo water Week” at Cairo University (24-28 October 2021) Centre of Excellence in Water Research, Egypt
* Examiner for the introductory exhibition for the International Science and Engineering Competition for STEM students 2022, 2023
* Monthly workshops and training courses on publication, university ranking, social users, clarivate analytics held online at the ASRT, organized by EKB, and knowledge
* QS World ranking lecture, EKB-QS, 28 June2022
* Participation by a lecture “ Nanotech for Biotech: facts and future” July 2022, University of Buenos Aires, Argentina.

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| Reviewer /Examiner | **اشتراك في هيئات التحكيم في دورات علميه (رسائل -مشروعات بحثيه)** |
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* Reviewer in J.Alloys and compounds, J.Mag.Mag.Mat., JPhys.D:appl.Phys, MaterialsResearch Bulletin (Elsevier)
  + Nano-Microletters- Desalination and water treatment (springer)-
  + Ultrasonics Sonochemistry-Applied Nanoscience- JRE
  + (total number of Reviews= 154 articles) see web of science

[Web of Science](https://www.webofscience.com/wos/author/rid/P-1809-2015)

* Thesis reviewer at Benha University- Faculty of science-Phys.Dept.-2017
* Thesis reviewer at Helwan University- Faculty of engineering- Power-2015
* Judge in the FIRST LEGO League (FLL) Egypt's Championship, on April 2017, at TIEC premises, in Smart Village, under the auspices of the Ministry of Communications and Information Technology (MCIT) and the Ministry of Education.
* <https://publons.com/researcher/502921/si-el-dek>
* Reviewer for 34 projects at STDF
* Panel Discussion Member at STDF
* Reviewer for the Regular Fondecyt National Projects Competition 2021 project entitled” Double-wall magnetic nanotubes: a new alternative to avoid bacteria and virus infections? December 2020
* Supervisor for more than 50 M.Sc. and Ph.d
* Guest editor of 2 special issues in J. of nanomaterials (Nanomagnetism- multifunctional nanoparticles: from fabrication to application)
* Editorial member in Applied Chemical Engineering
* Editor in IOP conference series:materials science and engineering 464 (2018) (ICAS4) – (ICAS5-2020)
* Reviewing Editor at Frontiers in Materials
* Editor of special topic at Frontiers in nanotechnology
* Editorial member and Reviewer in Beni-Suef journal of basic and applied sciences

<https://bjbas.springeropen.com/about/editorial-board>

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| Volunteer experience | **انجازات في خدمه المجتمع و دعم المرأه** |
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**-Kawafel Cairo University for the years from 2004 up to 2007. "See the certificates****"**

**-Providing psychological and moral support for women in universities and centers about breast cancer, and honoring women leaders.**

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| **Projects** | **مشروعات بحثيه مموله و انشاء مراكز التميز** |
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| N | Title | Funding agency | role | Fund |
| 1 | Preparation, Characterization and Examination of some nanomaterial as free radicals scavengers” | STDF funded, RSTDG 5431-  Ended | Co-PI | 100,000  EGP |
| 2 | Preparation and characterization of nanoparticles and study of their antibacterial effect | BSU | Supervisor | 15,000  EGP |
| 3 | Nanocomposite Zinc oxide and curcumin for treatment of diabetes | NRC, Egypt, 11010184 | Participant | 90,000  EGP |
| 4 | Invention of a new catalyst for the economic CO2 conversion in to fuel | STDF  25578 | PI | 100,000  EGP |
| 5 | **Centre of Excellence Economic production of nanomaterials for accreditation and local market needs** | STDF  31305 | Co-PI | 7.9MEGP |
| 6 | Carbon quantum dots size control using electrochemical method and their application in supercapacitors as a powerful tool for energy storage. | STDF-Youg Research  Accepted  25609 | PI | 695,000 EGP |
| 7 | Development of central lab for thin film production used in solar cell applications | ASRT-Science Up  Central lab  ID 6740 | PI | 1,979,670 EGP |
| 8 | Multifunctional perovskite nanomaterials for photoelectrochemical and electrochemical water splitting | STDF-Post Graduate Support Grant (PGSG) | Supervisor | 140,000 EGP |
| 9 | Immobilization of Biomolecules on Titanate Nanostructures for Modern Application | BSU | Supervisor | 15,000 EGP |
| 10 | lanthanum doped zinc oxide thin film | SNG | Supervisor | 100,000 EGP |
| 11 | Improvement of the physical and magnetic properties of some Two-dimensional layered materials" | STDF-Post Graduate Support Grant (PGSG) | Supervisor | 149,000 EGP |
| 12 | **Centre of Excellence in Water** | **USAID** | **Co-Chair**  **Sustainability pillar** |  |

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| **LINKS** |  |
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* [**https://scholar.google.com/citations?hl=en&user=MZyimVcAAAAJ**](https://scholar.google.com/citations?hl=en&user=MZyimVcAAAAJ)
* [**https://publons.com/researcher/502921/si-el-dek**](https://publons.com/researcher/502921/si-el-dek)
* [**https://www.scopus.com/authid/detail.uri?authorId=8930118900**](https://www.scopus.com/authid/detail.uri?authorId=8930118900)
* [**http://orcid.org/0000-0003-4564-9455**](http://orcid.org/0000-0003-4564-9455)
* **Web of Science Researcher ID P-1809-2015**
* [**https://request500womenscientists.org/profile/6060**](https://request500womenscientists.org/profile/6060)

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| **References** |  |
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**Prof. Mohamed Mahmoud khedr (M. H. Khedr)**

**Professor of materials science and nanotechnology Former Vice president of Beni-Suef University. E-mail:** [**dkheddr@yahoo.com**](mailto:dkheddr@yahoo.com)**, Mobile: +20 100 520 0230**

S.I.El-Dek

Professor and Head of Materials Science and Nanotechnology Department

Director of the International Ranking and sustainable development office

Former Vice Dean for Environmental and society affairs

Former Vice Dean for Postgraduate and research affairs

Faculty of Postgraduate Studies for advanced sciences

Beni-Suef University, Beni-Suef, Egypt.