

CURRICULUM VITAE

Name: Waleed A. El-Said

Personal Information:

Data of birth: Aug 10, 1976,

Place of birth: Egypt,

Nationality: Egyptian.

Title: PhD

Address: Chemistry Department, Faculty of Science, Assiut University, Assiut,
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Occupation: Associate Prof. of Nanotechnology.

Institution: Chemistry Department, Assiut University, Assiut, Egypt.

Higher Education:

- 1- PhD, Sogang University, Seoul, Republic of Korea.
- 2- MSc Degree in Chemistry (Organic Chemistry) May, 2006 from Chemistry Department, Faculty of Science, Assiut University, Egypt.
- 3- Bachelor of Science (Chemistry major) June, 1998. Very good degree with degree of honor, Chemistry Department, Assiut University.

Professional experience

- 1- Oct. 2016-yet, Associate Professor at Chemistry Department, Faculty of Science, Assiut University, Assiut, Egypt.
- 2- Brain Pool Invited scientist (Mar. 2017- January 2018)
- 3- June-July 2015, Researcher, Faculty of Pharmacy, Université du Droit et de la Santé Lille 2, France
- 4- April 2014- Feb 2015, Postdoctoral at National Institute for Materials Science (NIMS) Japan.
- 5- 2011-2016, Lecturer at Chemistry Department, Faculty of Science, Assiut University, Assiut, Egypt.
- 6- July- October 2011 Postdoctoral at National Institute for Materials Science (NIMS) Japan.
- 7- 2006-2011 Assistant Lecturer of Chemistry, Faculty of Science, Assiut University, Assiut, Egypt.
- 8- 1999-2006 Demonstrator for Chemistry department, Faculty of Science, Assiut University, Assiut, Egypt.

Titles of my awarded degrees:

- 1- PhD “Cell Chip on Nano-Pattern to Analyze Cell Behavior Based on Surface-Enhanced Raman Spectroscopy”.
- 2- M.Sc. “Synthesis of Some New Antidepressants Analogous”.

International conferences:

- 1- International conference on materials science and engineering recent challenges. E-JUST, 11-13 March 2018.

- 2- The First International Conference on Multidisciplinary Research, Ain Sokhna-Egypt, 28-31 Oct. 2015.
- 3- 12th IBN-SINA international conference of heterocyclic chemistry, Luxor-Egypt, 16-19 Feb. 2013.
- 4- International Conference and Expo on Materials Science & Engineering 20-22 October, 2012, Chicago, USA.
- 5- Fifth Saudi science conference, 16th to 18th April 2012, Makkah, Saudi Arabia
- 6- BIOTRONICS 2010 International Conference on Biosensors, Biochips, and Bioelectronic Devices, 28 OCTOBER, 2010.
- 7- BIOTRONICS 2009, International Conference on Biosensors, Biochips, and Bioelectronic Devices, 7 OCTOBER, 2009.
- 8- Nano Korea 2010, August 18-20, 2010.
- 9- BIOTRONICS 2008, International Conference on Biosensors, Biochips, and Bioelectronic Devices, 8 OCTOBER, 2008.
- 10- 9th IBN-SINA international conference of heterocyclic chemistry, Sharm El Sheikh, Egypt, 11-14 Dec, 2004.

Papers Presented at National and International Conferences:

- 1- Intracellular and Extracellular Formation of Gold Nanoparticles using Human cells and their applications on the Cell Surface-enhanced Raman Scattering International conference of nanoscience and nanotechnology 2009.

- 2- Enzyme free Glucose Determination based on a Gold Nanobouquet-modified ITO Electrode, Jin-Ho Lee, Waleed Ahmed El-Said, Byung-Keun Oh and Jeong-Woo Choi, Biotronics 2011.
- 3- Fabrication of 3-D Nanoporous Gold Thin Film for the Electrochemical Determination of Dopamine and Ascorbic acid, Su-Hyun Pyo, Waleed Ahmed El-Said, Jin-Ho Lee, Jung-Woo Choi and Byung-Keun Oh, Biotronics 2011.
- 4- Nanotech Conference & Expo, Simultaneous determination of guanine and adenine on nano-poly(4-aminothiophenol) patterns modified ITO electrode, Waleed Ahmed El-Said, Tae-Hyung Kim and Jeong-Woo Choi, 2011 June 13-16, 2011, Boston, USA.
- 5- Structural and Optical Properties of Heat Treated and UV Irradiated CdS Nanoparticles, Mohamed A. Osman, Aly A. Othman, **Waleed A. El-Said**, A. A. Abu-Shely, Ahmed G. Abdel Rahim, 9th International Conference on the Physical Properties and Application of Advanced Materials ICPMAT 2014, 14-18 September 2014, Krakow, Poland.
- 6- Structural, Morphological and Optical Characterizations of Annealed EDTA Capped ZnS Nanocrystals Prepared by Chemical Precipitation Method, Mohamed A. Osman, Aly A. Othman, **Waleed A. El-Said**, A.A. Abu-shely, Ahmed G. Abdel Rahim, 9th International Conference on the Physical Properties and Application of Advanced Materials ICPMAT 2014, 14-18 September 2014, Krakow, Poland.
- 7- Green synthesis of magnetic mesoporous silica nanocomposite and its adsorptive performance against organochlorine pesticides, **Waleed A. El-Said**, Dina Fouad, Mohamed Hussin, Mohamed Elgahami, ICCS 2017: 19th

International Conference on Chemical Sensors, Barcelona, Spain, August 17-18, 2017.

Chapter in Books

- 1- Jun-hong Min, Cheol-Heon Yea, **Waleed A. El-Said**, Jeong-Woo Choi. The Application of Cell Based Biosensor and Biochip for Environmental Monitoring. Atmospheric and Biological Environmental Monitoring. Young J. Kim. Ulrich Platt. Man Bock Gu. Hitoshi Iwahashi (Eds) 261-274.
- 2- **Waleed A. El-Said**, Tae-Hyung Kim, Ki-Bum Lee, Jeong-Woo Choi. Nanopatterned Surfaces for Stem Cells Engineering, Stem Cells NanoEngineering. H. Baharvand, ISBN: 978-1-118-54061-9, 2015, Wiley-Blackwell.
- 3- **Waleed Ahmed El-Said**, Hyeon-Yeol Cho and Jeong-Woo Choi, SERS Application for Analysis of Live Single Cell, Chapter 16, 361-398, "Nanoplasmonics-Fundamentals and Applications", Gregory Barbillon (Ed), ISBN 978-953-51-3278-3, Print ISBN 978-953-51-3277-6, [DOI: 10.5772/67593](https://doi.org/10.5772/67593)

Peer-reviewed journals Publications List:

1. Ayman E. Elkholy, Fakiha El-Taib Heakal, **Waleed A. El-Said**, Improving the electrocatalytic performance of Pd nanoparticles supported on indium/tin oxide substrates towards glucose oxidation, 2019, 580 28-33
2. **Waleed A. El-Said**, Jeong-woo Choi, High selective spectroelectrochemical biosensor for HCV-RNA detection based on a specific peptide nucleic acid,

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 217 (2019) 288–293

3. Ahmed M. Yousif, Osama F. Zaid, **Waleed A. El-Said**, Emad A. Elshehy, and Ibrahim A. Ibrahim, Silica Nanospheres-Coated Nanofibrillated Cellulose for Removal and Detection of Copper(II) Ions in Aqueous Solutions, *Ind. Eng. Chem. Res.*, DOI: 10.1021/acs.iecr.8b06343
4. F. Khan, N. Akhtar, N. Jalal, I. Hussain, R. Szmigielski, M. Q. Hayat, H. B. Ahmad, **W. A. El-Said**, M. Yang, H. A. Janjua, Carbon-dot wrapped ZnO nanoparticle-based photoelectrochemical sensor for selective monitoring of H₂O₂ released from cancer cells, *Microchimica Acta*, 186(2), 2019, 127, doi: 10.1007/s00604-019-3227-x.
5. Ismail I. Althagafi, Saleh A. Ahmed, Waleed A. El-Said, Fabrication of gold/graphene nanostructures modified ITO electrode as highly sensitive electrochemical detection of Aflatoxin B1, 2019, *PLoS ONE*, 14(1), e0210652.
6. **W.A. El-Said**, Mona A. Abdel-Rahman, Eman M. Sayed, Aboel-Magd A. Abdel-Wahab, Electrochemical Monitoring of Methotrexate Anticancer Drug in Human Blood Serum by using In-situ Solvothermal Synthesized Fe₃O₄/ITO Electrode, 2019 *Electroanalysis*, DOI:10.1002/elan.201800798.
7. M. Abdel-Shakour, **Waleed A. El-Said**, Islam M. Abdellah, Rui Su, Ahmed El-Shafei, Low-cost Schiff bases chromophores as efficient co-sensitizers for MH-13 in dye-sensitized solar cells, *Journal of Materials Science: Materials in Electronics*, DOI:10.1007/s10854-019-00806-2.
8. Mebed, A.M., Abd-Elnaiem, A.M., El-Said, W.A., Asafa, T.B., Review on the formation of anodic metal oxides and their sensing applications, *Current Nanoscience*, 2019, 15(1), pp. 6-26.

9. A. A. Saddik, A. M. Kamal El-Dean, **W. A. El-Said**, K. M. Hassan, M. S. Abbady, Synthesis, Antimicrobial, and Anticancer Activities of a New Series of Thieno[2,3-d] Pyrimidine Derivatives, *Journal of Heterocyclic Chemistry*, 2018, 55(9), 2111-2122
10. **El-Said W. A.**, M. Abdel-Shakour and Alaa M. Abd-Elnaiem, An efficient and low-cost photoanode for backside illuminated dye-sensitized solar cell using 3D porous alumina. *Materials Letters* 222 (2018) 126–130
11. **El-Said W. A.**, Moharram A. S., Hussein E. M., El-Khawaga A. M., Synthesis, Characterizations and Applications of Some New Trimeric-Type Cationic Surfactants, *Journal of Surfactants and Detergents*, **DOI: 10.1002/jsde.12041**
12. **El-Said W.A.**, El-Khouly M.E., Ali M.H., Rashad R.T., Elshehy E.A., Al-Bogami A.S., Synthesis of Mesoporous Silica-Polymer Composite for the Chloridazon Pesticide Removal from Aqueous Media, *Journal of Environmental Chemical Engineering* (2018) 6, 2214–2221.
13. **El-Said W.A.**, Moharram A.S., Hussein E.M., El-Khawaga A.M., Design, synthesis, anticorrosion efficiency, and applications of novel Gemini surfactants for preparation of small-sized hollow spheres mesoporous silica Nanoparticles, *Materials Chemistry and Physics*, (2018) 211, 123-136.
14. El-Din A.F.T., El-Khouly M.E., Elshehy E.A., Atia A.A., **El-Said W.A.**, Cellulose acetate assisted synthesis of worm-shaped mesopores of MgP ion-exchanger for cesium ions removal from sea water, *Microporous and Mesoporous Materials* (2018) 265, **211-218**.
15. **Waleed A. El-Said**, Jinho Yoon and Jeong-Woo Choi, Nanostructured surfaces for analysis of anticancer drug and cell diagnosis based on electrochemical and SERS tools, *Nano Convergence* (2018) 5:11.

16. Jae-Wook Shin, Kyeong-Jun Kim, Jinho Yoon, Jinhee Jo, **Waleed Ahmed El-Said** and Jeong-Woo Choi, Silver Nanoparticle Modified Electrode Covered by Graphene Oxide for the Enhanced Electrochemical Detection of Dopamine, *Sensors*, 17, **2017**, 2771.
17. Moemen A. Mohamed, Fatma M. Mohamed and **Waleed A. El-Said**, Enhancement of Antimicrobial Sensitivity of Salmonella and Escherichia coli Strains Isolated from Chickens Using Silver Nanoparticles in Assiut Governorate, *Zagazig Veterinary Journal*, 45 (3), 2017, 273-282.
18. **Waleed A. El-Said**, Dina Fouad, Mohamed Hussin, Mohamed Elgahami, Green synthesis of magnetic mesoporous silica nanocomposite and its adsorptive performance against organochlorine pesticides, *International Journal of Environmental Science and Technology*, 2018, 15(8), 1731-1744.
19. Ramadan A. Mohamed, **Waleed A. El-Said**, Ahmed K. Ibrahim, Fungal biodiversity in sewage-water under the effect of calcium hydroxide and hydrogen peroxide into two steps treatment, *international journal of environmental science and technology*, DOI 10.1007/s13762-017-1451-7.
20. **Waleed A. El-Said**, Kawthar Abd El-Hameed, Nagwa Abo El-Maali, and Hayam G. Sayyed, Label-free Electrochemical Sensor for Ex-vivo Monitoring of Alzheimer's Disease Biomarker, *Electroanalysis*. **2017** 29 (3) 748–755.
21. Dina Fouad, **waleed El-Said**, Mohamed Hussin, Mohamed Elgahami “Silica-gold nanocomposite for removal of organophosphorous pesticides, *Plasmonics*, DOI 10.1007/s11468-016-0338-7, **2017**, 12 (3) 869–875.
22. Dina M. Fouad and **Waleed A. El-Said**, Selective Electrochemical Detection of Epinephrine Using Gold Nanoporous Film, *Journal of Nanomaterials*, Volume 2016 (2016), Article ID 6194230, 8 pages.

23. Ahmed H. Osman, **Waleed A. El-Said** and M. AbdEl-Shakour, Synthesis and characterization of some new ruthenium (II) complexes as photosensitizers in dye-sensitized solar cells, *Journal of Advances in Chemistry* 12 (5), 2016, 4413-4425.
24. Mohamed Osman, **Waleed El-said**, Ali Othman, Ahmed Abd-Elrahim “Influence of thermally induced structural and morphological changes, and UV irradiation on photoluminescence and optical absorption behavior of CdS nanoparticles” *Journal of Physics D: Applied Physics*, **2016**, 49, 165302. DOI: 10.1088/0022-3727/49/16/165302
25. **Waleed A. El-Said** and Dina M. Fouad “Size and Morphological Controlled of Gold Nanoparticles based on Deposition Time” *Trends in Nanotechnology & Material Science*. 1: 1-5.
26. **Waleed A. El-Said**, Dina M. Fouad and Sherif A. El-Safty “Ultrasensitive Label-free Detection of Cardiac biomarker Myoglobin based on Surface-enhanced Raman spectroscopy” *Sensors and Actuators B: Chemical*, **2016** 228, 401–409.
27. Mohamed Osman, Ali Othman, **Waleed A. El-Said**, Ahmed Abd-Elrahim, A. Abu-Sehly "Thermal annealing and UV irradiation effects on structure, morphology, photoluminescence and optical absorption spectra of EDTA capped ZnS nanoparticles" *Journal of Physics D: Applied Physics*, 2016, 49 055304 doi:10.1088/0022-3727/49/5/055304.
28. Tae-Hyung Kim, Taek Lee, **Waleed A. El-Said** and Jeong-Woo Choi, Review Graphene-Based Materials for Stem Cell Applications. *Materials* 2015, 8, 8674–8690.
29. **Waleed A. El-Said**, Seung U. Kim and Jeong-Woo Choi “Monitoring in vitro neural stem cell differentiation based on surface-enhanced Raman

spectroscopy using a gold nanostar array” *J. Mater. Chem. C*, 2015, 3, 3848.

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30. Naeem Akhtar, Sherif A. El-Safty, Md. Khairy, **Waleed A. El-Said** “Fabrication of a highly selective nonenzymatic amperometric sensor for hydrogen peroxide based on nickel foam/cytochrome c modified electrode” *Sensors and Actuators B: Chemical*, 207 (2015) 158-166.
31. **Waleed A. El-Said**, Tae-Hyung Kim, Yong-Ho Chung, Jeong-Woo Choi, Fabrication of New Single Cell chip to Monitor Intracellular and Extracellular Redox State based on Spectroelectrochemical method, *Biomaterials*, 40 (2015) 80-87.
32. Dina M. Fouad, **Waleed A. El-Said** and Mona B. Mohamed, Spectroscopic characterisation of magnetic Fe₃O₄@Au core shell nanoparticles, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 140 (2015) 392–397.
33. **Waleed A. El-Said**, Hyeon-Yeol Cho, Cheol-Heon Yea, Jeong-Woo Choi, Synthesis of metal nanoparticles inside living human cells based on the intracellular formation process. *Advanced Materials*, 26, 6, (2014) 910–918.
34. **Waleed A. El-Said**, Jeong-Woo Choi, Electrochemical Biosensor consisted of conducting polymer layer on gold nanodots patterned Indium Tin Oxide electrode for rapid and simultaneous determination of purine bases, *Electrochimica Acta*, 123 (2014) 51–57.
35. Alaa M. Abd-Elnaiem, A.M. Mebed, **Waleed A. El-Said**, M.A. Abdel-Rahim “Porous and mesh alumina formed by anodization of high purity aluminum films at low anodizing voltage” *Thin Solid Films*, 570 (2014) 49-56.

36. Elham S. Aazam, **Waleed A. El-Said**, Synthesis of New Schiff-base Metals Complexes, Copper/Nickel Nanoparticles and their Cytotoxicity/Catalytic Activities, *Bioorganic Chemistry Journal*, 57 (2014) 5–12.
37. **Waleed A. El-Said** and Jeong-Woo Choi, "In situ Detection of Neurotransmitter Release from PC12 cells using Surface Enhanced Raman Spectroscopy" *Biotechnol. Bioprocess Eng.* 19 (2014) 1069-1076.
38. Jin-Ho Lee, **Waleed A. El-Said**, Byung-Keun Oh and Jeong-Woo Choi "Enzyme-free glucose sensor based on Au nanobouquet fabricated indium tin oxide electrode" *J. Nanosci. Nanotechnol.* 14 (2014) 8432-8438.
39. Tae-Hyung Kim, **Waleed A. El-Said**, Jeong-Woo Choi, ITO/Gold nanoparticle/RGD peptide Composites to Enhance Electrochemical Signals and Proliferation of Human Neural Stem Cells, *Nanomedicine: Nanotechnology, Biology and Medicine*, 9, 336-344 (2013).
40. Md. Abdul Kafi*, **Waleed A. El-Said***, Tae-Hyung Kim, and Jeong-Woo Choi, Cell adhesion, spreading, and proliferation on surface functionalized with RGD nanopillar arrays, *Biomaterials*, 33 (2012) 731-739. (***first author**)
41. Tae-Hyung Kim, **Waleed A. El-Said**, Jeong-Woo Choi, Highly Sensitive Electrochemical Detection of Potential Cytotoxicity of CdSe/ZnS Quantum Dots Using Neural Cell Chip, *Biosensors and Bioelectronics*, 32 (2012) 266– 272.
42. Jeung Hee An, **Waleed A. El-Said** and Jeong-Woo Choi "Cell chip based monitoring of toxic effects on dopaminergic cell" *J. Nanosci. Nanotechnolo.* 12 (2012) 4115-4118.
43. Taek Lee, Yong-Ho Chung, Qi Chen, **Waleed A. El-Said**, Junhong Min, Jeong-Woo Choi "Nanoscale Biofilm Modification-Method Concerning a

- Myoglobin/11-MUA Bilayers for Bioelectronic Device” *J. Nanosci. Nanotechnol.* 12 (2012) 4119-4126.
44. Mi Jung, **Waleed A. El-Said**, Jeong-Woo Choi “Fabrication of gold nanodot arrays on a transparent substrate as a nanobioplatfrom for label-free visualization of living cells”. *Nanotechnology*, 22, 23, 235304, 2011. doi: 10.1088/0957-4484/22/23/235304.
45. Jeung-Hee An, **Waleed A. El-Said**, Jeong-Woo Choi "Surface Enhanced Raman Scattering of Neurotransmitter Release in Neuronal Cells Using Antibody Conjugated Gold Nanoparticles". *J. Nanosci. Nanotechnol.* 11 (2011) 1585-1588.
46. Jeung-Hee An, **Waleed A. El-Said**, Cheol-Heon Yea, Tae-Hyung Kim, Jeong-Woo Choi "Surface-Enhanced Raman Scattering of Dopamine on Self-assembled Gold Nanoparticles"*J. Nanosci. Nanotechnol.* 11 (2011) 4424-4429.
47. Rama Bhusal, Cheol-Heon Yea, **Waleed A. El-Said**, Hyuncheol Kim, Jeong-Woo Choi "Detection of the Effect of Environmental Toxicants on the Synthetic Peptide Modified Neural Cell Chip". *J. Nanosci. Nanotechnol.* 11 (2011) 4605-4610.
48. Mi Jung, **Waleed A. El-Said**, Jeong-Woo Choi "Fabrication of Nanoconcave Surface for Cell immobilization in Cell-based Chip". *J. Nanosci. Nanotechnol.* 11 (2011) 4205-4209.
49. Taek Lee, **Waleed A. El-Said**, Junhong Min, Jeong-Woo Choi “Multifunctional DNA-based Biomemory Device Consisting of ssDNA/Cu Heterolayers” *Biosensors and Bioelectronics.* 26 (2011) 2304–2310.
50. **Waleed A. El-Said**, Tae-Hyung Kim, Hyuncheol Kim, Jeong Woo Choi, “Analysis of Intracellular State Based on Controlled 3D Nanostructures

Mediated Surface enhanced Raman Scattering”. PLoS ONE, February 2011 6(2): e15836.

51. **Waleed A. El-Said**, Tae-Hyung Kim, Cheol-Heon Yea, Hyuncheol Kim, Jeong-Woo Choi, Fabrication of Gold Nanoparticle Modified ITO Substrate to Detect β -Amyloid Using Surface-Enhanced Raman Scattering. *J. Nanosci. Nanotechnol.* 11 (2011) 768-772.
52. **Waleed A. El-Said**, Jin-Ho Lee, Byung-Keun Oh, Jeong-Woo Choi, Electrochemical Sensor to Detect Neurotransmitter Using Gold Nano-Island Coated ITO Electrode. *J. Nanosci. Nanotechnol.* 11 (2011) 6539-6543.
53. **Waleed A. El-Said**, Tae-Hyung Kim, Hyuncheol Kim, Jeong-Woo Choi, Three-dimensional mesoporous gold film to enhance the sensitivity of the electrochemical detection. *Nanotechnology*, (2010) 21, 455501, doi: 12.1088/0957-4484/21/45/455501.
54. **Waleed A. El-Said**, Tae-Hyung Kim, Hyuncheol Kim, Jeong-Woo Choi "Detection of effect of chemotherapeutic agents to cancer cells on gold nanoflower patterned substrate using surface enhanced Raman scattering and cyclic voltammetry" *Biosens. Bioelectron.*, 26, (4) (2010) 1486-1492.
55. **Waleed A. El-Said**, Jin-Ho Lee, Byung-Keun Oh, Jeong-Woo Choi, "3-D Nanoporous Gold Thin Film for the Simultaneous Electrochemical Determination of Dopamine and Ascorbic Acid" *Electrochemistry Communications*, 12 (2010) 1756-1759.
56. **Waleed A. El-Said**, Cheol-Heon Yea, Mi Jung, Hyuncheol Kim, Jeong-Woo Choi, Analysis of effect of nanoporous alumina substrate coated with polypyrrole nanowire on cell morphology based on AFM topography, *Ultramicroscopy*, 110, 6 (2010) 676-681.

57. Taek Lee, **Waleed A. El-Said**, Junhong Min, Byung-Keun Oh, Jeong-Woo Choi, “Verification of surfactant CHAPS effect using AFM for making biomemory device consisting of recombinant azurin monolayer”. *Ultramicroscopy*. 110, 6 (2010) 712-717.
58. **Waleed A. El-Said**, Cheol-Heon Yea, Jeong-Woo Choi, Il-Keun Kwon. Ultrathin polyaniline film coated on an indium–tin oxide cell-based chip for study of anticancer effect. *Thin Solid Films*, 518, 2 (2009) 661-667.
59. **Waleed A. El-Said**, Cheol-Heon Yea, Hyunhee Kim, Byung-Keun Oh, Jeong-Woo Choi. Cell-based chip for the detection of anticancer effect on HeLa cells using cyclic voltammetry. *Biosens. and Bioelectron.* 24 (2009) 1259–1265.
60. **Waleed A. El-Said**, Cheol-Heon Yea, Hyunhee Kim, Jeong-Woo Choi. “Fabrication of self-assembled RGD layer for cell chip to detect anticancer drug effect on HepG2 cells” *Current Applied Physics*, 9 (2009) e76–e80.
61. **Waleed A. El-Said**, Cheol-Heon Yea, Il-Keun Kwon, Jeong-Woo Choi. Fabrication of Electrical Cell Chip for the Detection of Anticancer Drugs and Environmental Toxicants Effect. *Biochip J.*, 3, 2 (2009) 105-112.
62. Cheol-Heon Yea, Bumhwan Lee, Hyunhee Kim, Sang-Uk Kim, **Waleed A. El-Said**, Junhong Minc, Byung-Keun Oh and Jeong-Woo Choi. “The immobilization of animal cells using the cysteine-modified RGD oligopeptide” *Ultramicroscopy*. 108 (2008) 1144– 1147.

Refereeing articles: I am a referee in the following journals:

1. Journal of Heterocyclic Chemistry
2. PLoS ONE.
3. Materials Chemistry and Physics

4. Electrochemical Acta
5. Biosensors and Bioelectronics
6. Journal of Analytical & Bioanalytical Techniques
7. Biotechnology and Bioprocess Engineering
8. Journal of alloys and compounds
9. Environmental Research
10. Materials Research Express
11. Sensors and Actuators B: Chemical
12. Journal of Environmental Chemical Engineering

Research projects:

- I have been involved in the establishment and I am the supervisor of a new NanoBiotechnology lab at Assiut University. Also, I am a member in five supervisory committees, four Master students and one PhD student. I have collaborated with multidisciplinary (pharmacy, medicinal, chemistry, physics, chemical engineering and biology) teams to perform a good research work; also, we have submitted some research plans for grant applications.
- I am the principal investigator for the following grant projects:
 1. Imhotep project “Egypt and France joint research program” Antileish: Synthesis and evaluation of new antileishmanial agents (2016), PI.
 2. Support graduation projects for undergraduate students Academy of Scientific Research and Technology, (2013) PI.
 3. 5505, Science and Technology Development Fund (STDF) Egypt, Rationale Development of Mesoporous Core/Multi-Shells Silica Nanoparticles for the Early Detection and Potential Treatment of Hepatitis C virus, PI.

4. Imhotep project “Egypt and France joint research program” New Sigma-1 Ligands for the treatment of neurodegenerative diseases (2014), member.
5. ERASMUS+ KA 107 Plus International Teaching staff Mobility (2017/2018) program

Honors and Awards:

1. Egypt’s State Encouragement Award (2016)
2. Misr El-Kheir (MEK) for Publications Awards (2012).
3. Misr El-Kheir (MEK) for Publications Awards (2010).

Supervision:

❖ **Alumni**

- 1- Maii I. Sholqamy, Ph.D. (Oct. 2016), Minia University
- 2- Kawther Abd El-Hameed, M.Sc. (Dec. 2015), Assiut University
- 3- Ahmed G. Abdel Rahim, M.Sc. (Feb. 2016), Assiut University
- 4- Muhammed AbdEl-Shakour, M.Sc. (Nov. 2016), Assiut University
- 5- Ahmed Salah, M.Sc., Assiut University
- 6- Mohamed H. Ali, M.Sc., Assiut University
- 7- Eman M. Sayed, M.Sc. (July 2019), Assiut University

❖ **Running supervision:**

- 1- Kawther Abd El-Hameed, Ph.D. Assiut University

Research interests:

- ❖ Nanomaterials
- ❖ Electrochemical sensors and biosensors.
- ❖ Optical biosensors.
- ❖ Material science

- ❖ Dye-sensitized solar cells (DSSCs)
- ❖ Cell culture (cancer cells, primary cells, neural cells and stem cells).
- ❖ Fabrication of nano-ECMs and study their effects of the cell functions.
- ❖ Material Science (synthesis and characterization of nanomaterials).
- ❖ Organic synthesis.
- ❖ Fabrication of different nanostructures (metal nanostructures based on (electrochemical deposition, thermal evaporation through nanoporous alumina mask or polystyrene template), nanoporous alumina, nano-conducting polymer, peptide nanostructures, mesoporous silica, Titania, etc.).
- ❖ I have good skills in using and interpretation of Raman spectroscopy, Surface-enhancement Raman spectroscopy (SERS), Tip-enhancement Raman spectroscopy (TERS), Surface Plasmon Resonance (SPR), Atomic force microscopy (AFM), Confocal microscopy, Scanning electron microscope (SEM), transmission electron microscopy (TEM), dynamic light scattering (DLS), UV-Vis spectroscopy, NMR, FT-IR, electrochemical techniques, N₂ adsorption, and scanning tunneling microscopy (STM).
- ❖ Electrochemical techniques (cyclic voltammetry, potentiometric stripping analysis, linear sweep voltammetry, differential pulse voltammetry, etc.).

Languages: Arabic "mother tongue", English "good skills".