

Curriculum Vitae & List of Publications



Professor Dr. Ibrahim El-Tantawy El Sayed

Head of Chemistry Department, Faculty of Science, Menoufia University, President of JSPSAAE and leader of Medicinal Chemistry Research Group, Shebin El koom, Egypt, Tel: +2-048-2320590 (home), Mobil: +2-01096726008, Fax: + 2-048-2235689, E-mail: ibrahimtantawy@yahoo.co.uk.

Personal Data:

Date of Birth: January 26, 1963.

Place of Birth: Menoufia, Shebin El Koom, Egypt.

Nationality: Egyptian.

Marital Status: Married - Two Children.

Education:

Ph.D.: (Bio-Organic Chemistry; May 1994), Aarhus University, Denmark & El Menoufia University, Egypt (Under the Auspices of the Channel System Program).

M.Sc.: (Organic Chemistry; October 1989), Chemistry Department, Menoufia University, Egypt.

B.Sc.: (Chemistry with Distinction and Honors, May 1985), Chemistry Department, Menoufia University, Egypt.

International Experiences & Positions:

Visiting Professorships & Postdoctoral Fellowships:

- **Appointed as The 1st Advisory Board Member of International Green Technology Association (IGTA) founded under the great support of Chinese Academy of Sciences (CAS) from July 22, 2018 to July 20, 2022.**

- **President of Japan Society for the Promotion of Science Alumni Association in Egypt (JSPSAAE)** supported by Japanese Government & Japanese Embassy in Egypt **Since February 2012- Till Date** <http://jpspscairo.com/en/alumni/>
- **Coordinator of MOU for collaboration between Menoufia Univ. & Institute of Process Engineering**, Chinese Academy of Sciences, China since **September 2019** for the establishment of China- Egypt Centre of Green Technology.
- **Coordinator of MOU for collaboration between Menoufia Univ. & Okayama Univ., Japan since 2010 till date.**
- **CAS-Visiting Professorship for Senior International Scientists to Institute of Process Engineering**, Chinese Academy of Sciences, China **September-October, 2019.**
- **JSPS Invitation Fellowship (Short Term-2 months):** Nagoya City University, Department of Organic and Medicinal Chemistry, Graduate School of Pharmaceutical Sciences, Japan (**August 1, 2014-September 29, 2014**).
- **JSPS Bridge Fellowship (45 days):** Department of Bioscience and Biotechnology, Okayama University, Japan (**August 2012 –September 2012**).
- **JSPS Invitation Fellowship (Long Term-10 months):** Department of Bioscience and Biotechnology, Okayama University, Japan (**May 2008 –February 2009**).
- **Visiting Professorship:** Department of Medicinal Chemistry, University of Antwerp, Belgium (**April 2007-June 2007**).
- **FWO Visiting Research Fellowship:** Department of Medicinal Chemistry, University of Antwerp, Belgium (**August 2003-August 2006**).
- **Wenner-Gren Research Fellowship:** Department of Organic Chemistry, Uppsala University, Sweden (**April 2001 - March 2002 & July 2002- September 2002**).
- **JST (Japan Science and Technology Cooperation) Contract Researcher**, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan (**April 1997 - October 1999**).
- **JSPS Fellowship for foreign young researchers:** Department of Chemistry, The University of Tokyo, Japan (**March 1996 -March 1997**).
- **ÖAD Research Fellowship**, Institute of Organic Chemistry, Vienna University, Austria (**February 1995 to August 1995**).
- **Egyptian Scholarship for PhD study** at the University of Aarhus, Denmark (**November 1991-October 1993**).
- **Egyptian Scholarship** to Goethe Institute, Bremen, Germany, (**September 1991 - October 1991**).

Honors:

- **Editorial Board Member**, Universal Journal of Pharmaceutical research (UJPR), International, bimonthly, peer-reviewed, multidisciplinary open access journal.
- **WHO (World Health Organization) Innovation Award for Developing Novel Anticancer Drugs**, The Third Stakeholders Meeting and High-Level Forum of The African Network for Drug and Diagnostic Innovation (ANDI), **October 10 – 14, 2010**, United Nations Office in Nairobi, **Kenya**.
- **Best Poster Award**, The Third Stakeholders Meeting and High-Level Forum of The African Network for Drug and Diagnostic Innovation (ANDI), **October 10 – 14, 2010**, United Nations Office in Nairobi, **Kenya**.
- **Japan Society for The promotion of Science (JSPS) Award** for "Contributions to Educational and Advancement of JSPS's Mission", **November 11, 2008**.
- **Okayama University Presidential Award** for establishing Okayama University International Alumni Association in Egypt, **February 22, 2014**.

Academic Employments:

- **Head of Chemistry Department**, Faculty of Science, Menoufia University, Shebin-Koom, **Egypt**.
- **Head of Public Service Centre**, Faculty of Science. Menoufia University **Since January 2012- till March 2016**.
- **Professor of Organic and Medicinal Chemistry**, Department of Chemistry, Faculty of Science, Menoufia University, Egypt (**from June 2005 to present**).
- **Associate Professor**, Chemistry Department, Menoufia University (**June 2000 - June 2005**).
- **Lecturer**, Chemistry Department, El- Menoufia University (**June 1994 - June 2000**).
- **Assistant Lecturer**, Chemistry Department, El Menoufia University (**December 1989 - May 1994**).
- **Demonstrator**, Chemistry Department, Menoufia University (**November 1985 - November 1989**).

Memberships in Scientific Societies:

- **Advisory Board Member of International Green Technology Association (IGTA)**.
- **President and member of Japan Society for the Promotion of Science Alumni Association in Egypt (JSPSAAE)**.
- **Editorial Board Member of Universal Journal of Pharmaceutical research (UJPR, <http://ujpr.org/index.php/journal/editorial-board-2>)**
- Egyptian Chemical Society.
- Egyptian Syndicate of Scientific Professions.

- Currently acts as a reviewer for many international journals such as Journal of Medicinal Chemistry, Medicinal Chemistry Research, Marine Drugs, Journal of Organic Chemistry. * Reviewers for the Promotion Committees of the Supreme Council of Egyptian Universities and Research Institutes.
- Served as a reviewer for many international journals.
- Egyptian Journal of Chemistry.

Present Research Projects & Research Interests:***Research projects funded from Egypt and abroad:****1. Principle Investigator (PI) for Joint funded project through Egyptian-Chinese-Research Fund from STDF-MOST starting from November, 2019-:**

Project Title: Applications of Ecofriendly Ionic Liquids for Smart and Green valorization of Waste Biomass into Liquid Fuels, starting date: **April 2021 for two years.**

- 2. Principle Investigator (PI) for Joint funded through Egyptian and Japanese Scientific Cooperation (JEJSC) between Science and Technology Development Fund (STDF) & Japan Society for the Promotion of Science (JSPS) starting from November, 2019-Title Date : Project titled: “Design and Synthesis of Novel Alkaloids with Natural Origin as Anticancer Agent”.**
- 3. Principle investigator (PI) in the scientific project “Development of Novel Anticancer Agents Based on Plant-Derived Natural Products” funded by Menoufia University through the period 2014 -2020.**
- 4. Principle Investigator (PI) in the scientific project “Development of Novel Anti-schistosomal Drugs Based on Plant-Derived Natural Products” funded by Menoufia University through the period 2014 -2020.**
- 5. Member in the joint project between Menoufia University & Department: Reproductive Health Research, Medical Research Division, Project Title: “A step towards novel personalized breast cancer therapy from gut microbiome, based on its metabolites, women anthropometry, diet and probiotics intake”.**
- 6. Member in the joint project between Menoufia University and Okayama University, Graduate School of Interdisciplinary Science and Engineering in Health Systems, Japan entitled “Design and Synthesis of Novel Alkaloids with Natural Origin as Anticancer & Antimalarial Agents” through the period 2008-2014.**

Current Research Interests:

Our research interests focused on the area of drug discovery and development, through the development and optimization of new synthetic Methods to make new candidate drugs for the treatment of the world's deadliest diseases such as cancer, pathogenic Bacteria & Malaria.

These include the following topics:

- Design, Synthesis and Development of Novel Anticancer, Antimalarial, Antischistosomal and antimicrobial Active Agents Based on Natural Product Templates.
- Discovery and Development of Arylamino-phosphonate Inhibitors for Urokinase Plasminogen Activator (uPA) as A New Anti-angiogenic and Anti-metastasis Therapy for The Treatment of Cancer.

Teaching Experiences:

I have been in charge of teaching the following undergraduate and postgraduate courses at MU (Egypt) according to system of the credit hours.

- **Undergraduate courses:**

- I. **Medicinal Chemistry** (Study Material: An Introduction to Medicinal Chemistry, Third Edition, Graham L. Patrick, Oxford University Press).
- II. **Organic Reactions Mechanisms** (Study Material: The Art of Writing Reasonable Organic Reaction Mechanisms 2nd Edition).
- III. **Stereochemistry** (Study Material: Solomons & Fryhle, Chapter 4).

- **Postgraduate courses:** Advanced Organometallic Chemistry, Biochemistry, Spectroscopy and Scientific Research Methodology.

Conferences Organizer, International & National Conferences invited speakers

- **Annual meeting of JSPSAAE** at Alexdaria library, **Febreury 2020**.
- **Invited speaker** at Indonesian Medical Education and Research Institute, Drug Development Research Center Cluster, **September 2018**.
- **Invited speaker** at Bogor Botanical Garden Bogor, West Java, **Indonesia**, General Assembly and the second international symposium of JSPS Alumni Association of Indonesia, **September 2018**.
- **Co-chairman** of Science & Science Management symposium for Sustainable Development, **October 24-26, 2017**.
- **Co-funded and Jointly organized** by The Alexander von Humboldt Foundation (AvH) and Japan Society for the Promotion of Science (JSPS), National Research Center (NRC), Cairo, **Egypt** (<http://www.ssmsd.net/>)
- **Invited speaker** at 2017 & 2018 CAS-TWAS Symposium on Green Chemistry and Technology for Sustainable Development, Beijing, **China**, September **4-6, 2017** and **July 22-25, 2018** repectively.
- **Invited speaker** at Ibn Sina Arab Conference on Heterocyclic Chemistry and its Application, **March 30 to April 2, 2018**, Hurghada, **Egypt**.
- **Keynote speaker** at Young Researchers Conference, Community Oriented Scientific Research **April 29-30, 2017** Ismailia, **Egypt**.
- **Keynote Speaker** at International Conference on Pharmaceutical Sciences and Education **March 29-31, 2017**, Luxor, **Egypt**.
- **Invited speaker** at the 1st International workshop on Drug Discovery, National Research Centre, **Egypt, December 5-6, 2016**.
- **Invited speaker** at the Fifth International Conference for Young Scientists in Basic and. Applied Sciences. **October 29 - Novmber 1, 2016** Faculty of Science, Assiut University, **Egypt**.
- **Attending and presenting JSPSAAE** at the 50th years anniversary of African Studies and Japan-Africa Cooperation in the Future, **July 19-21, 2016**.Nairobi, **Kenya**.
- **JSPS-Keynote lecture**, International Science Camp, Takasaki, Gunma, Japan, **November 8-9, 2008**; Lecture Title: “**Chemistry for Better Human Health and Society Development**”. Lecture link: http://www.jsps.go.jp/j-sdialogue/2008d/data/1108_takasaki1.pdf
- **JSPS-Science Dialogue Lecture**, Okayama Prefectural Okayama Ichinomiya High School, **January 15, 2009**; Lecture Title: “**Chemistry for Better Human Health and Society Development**”. Lecture link: http://www.jsps.go.jp/english/eplaza/esdialogue/2008e/0115_okayamaichinomiya.html.

- **International Symposium for Future Technology Creating Better Human Health and Society Development, February 5, 2009, Okayama University, Japan.** (Pipeline of Drug Discovery: “Synthesis and Validation of Anti-Cancer and Anti-Infectious Agents”); Lecture Title: “**Diaryl Phosphonate Inhibitors for Urokinase-Type Plasminogen Activator (uPA) with In Vivo Anti-Metastatic Properties**”.
- **Okayama University of Science, Department of Chemistry, March 3, 2009, Japan;** Lecture Title: “**Novel Approaches for the Discovery and the Development of Anticancer Agents**”.
- **Graduate School of Medical Sciences, Hiroshima University, September, 4, 2012.** Lecture Title: “**A Journey in Design, Synthesis and Development of Novel Anticancer and Antiparasitic Agents**”.
- **The First Science Symposium and Annual Meeting of the Egyptian-JSPS Alumni Association on “Role of Science and Technology in Sustainable Development”, December 16, 2012, Shephard Hotel, Cairo.**
- **The Fifth Saudi Science Conference, April 16-18, 2012, King Abdul Aziz Hall, Umm Al Qura University. Mada, Saudi Arabia.**
- **The Fourth Stakeholders Meeting and High-Level Forum of the African Network for Drug and Diagnostic Innovation (ANDI), October 24 - 27, 2011, United Nations Office in Addis Ababa, Ababa, Ethiopia.**
- **The Third Stakeholders Meeting and High-Level Forum of The African Network for Drug and Diagnostic Innovation (ANDI), October 10 – 14, 2010, United Nations Office in Nairobi, Kenya.**
- **Egyptian Second International Conference in Chemistry “Chemistry for Human Needs” November 9-12, 2009, Hurghada, Egypt.**
- **The second meeting of the African Network for Drugs & Diagnostics Innovation (ANDI), October 4-7, 2009; Cape Town, South Africa.**
- **International Symposium for Future Technology Creating Better Human Health and Society Development, (Pipeline of Drug Discovery: “Synthesis and Validation of Anti-Cancer and Anti-Infectious Agents” February 5, 2009, Okayama University, Japan.**
- **1st Okayama University symposium on Drug Discovery & Development; March 7, 2009, Okayama University, Department of Bio-Organic Chemistry; Japan.**
- **JSPS International Science Camp, November 8-9, 2008, Takasaki, Gunma, Japan.**
- **1st European Chemistry Congress, August, 27-31, 2006, Budapest, Hungary.**
- **9th Sigma-Aldrich Organic Synthesis Meeting, December 1-2, 2005, Sol-Cress, Spa, Belgium.**

- **Targeting the Brain, Successes and Pitfalls, November 25, 2005**, University of Namour, Namur, **Belgium**.
- **8th Sigma-Aldrich Organic Synthesis Meeting, December 1-2, 2005**, Sol-Cress, Spa, **Belgium**.
- **Lead Profiling: Myth or Reality? November 26, 2004**, University of Gent, **Belgium**.
- **International Congress on “Drug Development for Parasitic Diseases” November 22-24, 2004**, Institute of Tropical Medicine, University of Antwerp, **Belgium**.
- **10th Belgian Organic Synthesis Symposium, July 12-16, 2004**, University Louvain-La-Neuve, **Belgium**.
- **12th Forum of Belgian Society of Pharmaceutical Sciences and Nederlandse of Pharmaceutical Sciences, May 6-7, 2004**, Blankenberg, **Belgium**.
- **Medicinal Chemistry Symposium of the Section Medicinal Chemistry of the Royal Netherlands Chemical Society, March 5, 2004**, Amsterdam, **Netherlands**.
- **9th International Symposium on the Chemistry and Pharmacology of Pyridazines, June 30-July 3, 2004**, University of Antwerp, **Belgium**.
- **7th Sigma-Aldrich Organic Synthesis Meeting, December 4-5, 2003**, Sol-Cress, Spa, **Belgium**.
- **New Technologies in Microwave Synthesis and Flash Chromatography; November 18, 2003**, University of Antwerp, **Belgium**.
- **Structure – Based Drug Design; November 14, 2003**, University of Louvain-La-Neuve, **Belgium**.
- **The Kjell Undheim Symposium in Organic Chemistry, November, 1-3, 2001**, University of Oslo, Oslo, **Norway**.
- **The Second International Conference on Basic Sciences and Advanced Technology, November 5-7, 2000**, Assiut University, Assiut, **Egypt**.
- **The 46th Symposium on Organometallic Chemistry, September 16-17, 1999**, Kinki University, Osaka, **Japan**.
- **The 12th International Symposium on Organosilicon Chemistry May 23-28, 1999**, Sendai, **Japan**.
- **The Fifth International Conference on Heteroatom Chemistry ICHAC-5, July 5-10, 1998**, University of Western Ontario, Ontario, London, **Canada**.
- **The Seventh International Kyoto Conference on New Aspects of Organic Chemistry (IKCOC-7), November 10-14, 1997**, Kyoto, **Japan**.
- **The First International Symposium on Silicon-Based Polymers June 23-24, 1997**, Tokyo, **Japan**.

- **17th International Symposium on the Organic Chemistry of Sulfur July 7-12, 1996**, Tsukuba, Japan.
- **Euchem Conference (European Chemistry Meeting on Cycloadditions and Related Reactions: Theory and Practice, : June 21-24, 1995**, Vulcano Island, Messina, Italy.
- **16th International Symposium on the Organic Chemistry of Sulfur July 10-15, 1994**, Halle, Merseburg, Germany.
- **MOCXII. Meeting on Organic Chemistry August 27-29, 1993**, Kiel, Germany.

Published Books & Chapters in Books:

- Moemen, Y.S., El-Sayed, I.E.-T., Environmental challenges and the impact of COVID-19 on healthcare sector: The adoption of intelligent solutions, Book Chapter • Open Access, Studies in Systems, Decision and Control, 2021, 369, pp. 41–53
- Moemen, Y.S., El-Sayed, I.E., Darwish, A., Hassanien, A.E.
- The correlation between human lifestyle, weather, smart technologies and COVID-19 pandemic, Book Chapter, • Open Access, Studies in Systems, Decision and Control, 2021, 369, pp. 137–147
- “Human Factors Engineering Mutation and Heparin in Beta-Thalassaemia” By Sara Rabea Ibrahim Saad El-dien, Eman Abd El-Fattah Badr & Ibrahim El Tantawy El Sayed, Number of pages 140, Published on 2018-03-21, Category: Genetics Publishing house: Scholars' Press Website: <http://www.scholars-press.com> available on amazon and other publishers ISBN-13: 978-620-2-30893-9 ISBN-10: 6202308931, EAN: 9786202308939, Book language: English.
- H. Ottosson, T. Guliyashvili, and Ibrahim El-Sayed, “**Thermolytic Formation and Trapping of Silenes Strongly Influenced by Reversed Polarization**”; Organosilicon Chemistry: From Molecules to Materials, Eds.: N. Auner & J. Weis, Wiley Interscience, Vol. 5, pp 78-81 (2003).

List of Patents & Publications:

A. Patents:

Tsutomu Inokuchi,; **Ibrahim El Tantaway El Sayed**,; Kenji Sasaki,; Zhenwu Mei,; Li Wang,; Wenjie Lu, “**Indoloquinoline derivative as antimalarial/anticancer agent and method for the preparation thereof Jpn**”. Kokai Tokkyo Koho (2013), JP 2013107869 A 20130606.

B. Published Papers in Peer Reviewed International Journals:

1. Asmaa S. Morshedy, Ahmed A. Galhoum, Abdel Aleem H. Abdel Aleem, Mohamed T. Shehab El-din, Dina M. Okaba, Mohsen.S. Mostafa, Hamed I. Mira , Zhen Yang , Ibrahim E.T.- El-Sayed, Functionalized aminophosphonate chitosan-magnetic nanocomposites for Cd(II) removal from aqueous solutions: Performance and mechanisms of sorption, Applied Surface Science 561 (2021) 150069

2. Najla Altwaijry, Samah El-Ghlban, **Ibrahim El Tantawy El Sayed**, Mohamed El-Bahnsawye, Asmaa I. Bayomi, Rehab M. Samaka, Shaban Elkhabiry, Elshaymaa I. Elmongy, Thanaa A. El-Masry, Hytham M. A. Ahmed and Nashwah G. M. Attallah, “**In Vitro and In Vivo Antitumor Activity of Indolo [2, 3-b] Quinolines, Natural Product Analogs from Neocryptolepine Alkaloid**”, *Molecules*, **26**, 754, 2021, <https://doi.org/10.3390/molecules26030754> (I.F: 3.267).
3. Mamdouh S. Elmelawy, Asmaa El-Meligy, Hussien A. Mawgoud, Asmaa S. Morshedy, Samia A. Hanafy & **Ibrahim El-tantawy El-sayed**, “**Synthesis and kinetics study of trimethylolpropane fatty acid triester from oleic acid methyl ester as potential biolubricant**”, *Biomass Conversion and Biorefinery* 2021, 1-8, <https://doi.org/10.1007/s13399-020-01220-z> (I.F: 2.602).
4. Eman A. E. Badr, **Ibrahim El Tantawy El Sayed** and Mohanad Kareem Razak Alasadi, “**The relation between homeobox A(HoxA) genes expression and Beta Thalassemia**”, *British Journal of Biomedical Science*, 2021, <https://doi.org/10.1080/09674845.2021.1877926> (I.F: 2.474).
5. Mona Reyad, Sherin Abdel-Aziz, Layla M Saleh, Samah El-Ghlban, Ibrahim El Tantawy El Sayed, Hasan Abdel-ghaffar, “The emerging role of NOTCH target genes in Egyptian childhood acute lymphoblastic leukemia”, *Memo - Magazine of European Medical Oncology*, 2021, 14(1), pp. 119–126
6. Abdeen, M.M., Hamed, M.A., Aleem, A.A.H.A., Nassar, I.F., El-Sayed, I.E.T. A comparative study of metal-catalyzed three-component synthesis of α -aminophosphonates, *Current Chemistry Letters*, 2021, 10(3), pp. 221–234.
7. Marwa M. Rashad, **Ibrahim El Tantawy El Sayed**, Ahmed A. Galhoum, Marwa M. Abdeenc, Hamed I. Mira, Emad A. Elshehy, Suojiang Zhang, Lu Xingmei, Jiayu Xin, Eric Guibal, “**Synthesis of α -aminophosphonate based sorbents–Influence of inserted groups (carboxylic vs. amine) on uranyl sorption**”, *Chemical Engineering Journal*, 2020, <https://authors.elsevier.com/a/1cDjx4x7R2W7ug>, (I.F: 10.652).
8. Mabrouk Attia Abd El-daim, Ehab Tousson, and **Ibrahim El Tantawy El Sayed**, Asmaa Zakaria Abd Elmaksoud, Abdullah A. S. Ahmed; “**Synthesis and Ameliorative influence of 9-diaminoacridine derivative against ehrlich ascites carcinoma induced hepatorenal injury in mice**”; *Environmental Science and Pollution Research*, 2021, **28**(17), pp. 21835–21850 (I.F: 3.056).
9. Yongqing Yang, Shaoqi Yang, Xiaoqian Yao, Ying Kang, Jiayu Xin, **Ibrahim El Tantawy El Sayed**, Junli Xu and Xingmei Lu, “**Renewable co-solvent promoting the selective removal of lignin by increasing of total hydrogen bonds**”, *Green Chemistry*, **22**, 6393-6403, 2020, (I.F: 9.480).
10. Fayed Attia Koutb Megahed, Tamer A. Addissouky, Xiaoling Zhou , Pingnan Sun and **Ibrahim El Tantawy El Sayed**, “**Personalized or Precision Medicine: Current Vision, Challenges and Future Prospectives**”, *International Journal of Medical Science and Health Research*, **4**, 104-106 , 2020, (I.F: 5.796).

11. Tamer A. Addissouky, Fayed Attia Koutb Megahed, Ayman E. Elagroudy and **Ibrahim El Tantawy El Sayed**, . “Efficiency of Mixture of Olives Oil and Figs as an Antiviral Agent: a Review and Perspective”, International Journal of Medical Science and Health Research, **4**, 107-111; 2020, (I.F: 5.796).
12. Dalia A. Elsherbiny, Abdelrahman M Abdelgawad, Mehrez Elnaggar, Ramy A. El-Sherbiny, Mohamed H. El-Rafie, **Ibrahim El Sayed**, “Synthesis, antibacterial activity, and sustainable release of novel α -aminophosphonate derivatives loaded carrageenan cryogel” International Journal of Biological Macromolecules, **163**, 96-107, 2020, (I.F: 5.162).
13. Ahmed A. Galhoum, Wael H Eisa, **Ibrahim El Sayed**, Ahmad A. Tolba, Zeinab M. Shalaby, Said I. Mohamady, Sally S. Muhammad, Shimaa S. Hussien, Takaya Akashi, Eric Guibal. “A new route for manufacturing poly(aminophosphonic)-functionalized poly(glycidyl methacrylate)-magnetic nanocomposite - Application to uranium sorption from ore leachate”. Environmental Pollution **264**, 114797- 114812, 2020, (I.F: 6.792).
14. **Ibrahim El Sayed**, Ehab Tousson, Manar Atia Sakr, “Therapeutic Impact of Etoposide against Ehrlich Solid Tumor Induced Improvement in Electrolytes, Liver and Kidney Toxicity in Female Mice” Asian Oncology Research Journal, **3**, 42-48, 2020,.
15. Tayel, Safaa I.; Alhanafy, Alshimaa M.; Ahmed, Solwan M.; Eltorgoman, Abdelmoneim A.; **Elsayed, Ibrahim E.**, “Biochemical study on modifying role of variants of leptin gene and its receptor on serum leptin levels in breast cancer” Molecular Biology Reports, **47**, 3807–3820, 2020, DOI: <https://doi.org/10.1007/s11033-020-05436-0>, (I.F: 1.402).
16. Ahmed, Abdullah A. S.; Awad, Hanem M.; **El-Sayed, Ibrahim El-Tantawy**; El Gokha, Ahmed A. “Synthesis and antiproliferative activity of new hybrids bearing neocryptolepine, acridine and a- aminophosphonate scaffolds”, Journal of the Iranian Chemical Society, **17**, 1211-1221, 2020, (I.F: 1.552).
17. Azzam, Mariam Ahmed; El-Boraey, Hanaa Abdel Latif; **El-Sayed, Ibrahim El Tantawy**, “Transition metal complexes of α -aminophosphonates part II: Synthesis, spectroscopic characterization, and in vitro anticancer activity of copper(II) complexes of a-aminophosphonates”, Phosphorus, Sulfur and Silicon and the Related Elements, **195**, 339-347, 2020, <https://doi.org/10.1080/10426507.2019.1700258>, (I.F: 1.272).
18. Addissouky, Tamer A.; El-Agroudy, Ayman E.; El-Torgoman, Abdel Moneim A. K.; **El-Sayed, Ibrahim E.** “Efficacy of biomarkers in detecting fibrosis levels of liver diseases” World Journal of Medical Sciences, **16**, 11-18, 2019.
19. Tamer A. Addissouky, Ayman E. El Agroudy, Abdel Moneim A. K. El-Torgoman, **Ibrahim El Sayed**, Eman Mohamad Ibrahim. “Efficiency of alternative markers to assess liver fibrosis levels

- in viral hepatitis B patients**". Biomedical Research **30**, 351-356, 2019, [10.35841/biomedicalresearch.30-19-107](https://doi.org/10.35841/biomedicalresearch.30-19-107), (I.F: 0.219).
20. Abdelhamid, Abdou O.; **El Sayed, Ibrahim E.**; Zaki, Yasser H.; Hussein, Ahmed M.; Mangoud, Mangoud M.; Hosny, Mona A. "Utility of 5-(furan-2-yl)-3-(p-tolyl)-4,5-dihydro-1H-pyrazole-1-carbothioamide in the synthesis of heterocyclic compounds with antimicrobial activity" BMC Chemistry, **13**, 1-18, 2019, <https://dx.doi.org/10.1186%2Fs13065-019-0566-y>, (I.F: 2.493).
 21. Badr EA, **El Tantawy El Sayed I**, Assar MF, Ali SA, Ibrahim NS. "A pilot study of Livin gene and Yes-associated protein 1 expression in hepatocellular carcinoma patients", Heliyon, **5**, 2019, <https://doi.org/10.1016/j.heliyon.2019.e02798>
 22. Wang, N.; Świtalska, M.; Wang, L.; Shaban, E.; Hossain, M.I.; **El Sayed, I.E.T.**; Wietrzyk, J.; Inokuchi, T. "Structural Modifications of Nature-Inspired Indoloquinolines: A Mini Review of Their Potential Antiproliferative Activity", Molecules, **24**, 2121, 2019, (I.F: 3.267).
 23. Mabrouk Attia Abd Eldaim, EhabTousson, **Ibrahim El Tantawy El Sayed**, Abd El-Aleim H. Abd El-Aleim, Hebatalla Nashaat Elsharkawy, "Grape seeds proanthocyanidin extract ameliorates Ehrlich solid tumor induced renal tissue and DNA damage in mice", Biomedicine and Pharmacotherapy, **115**, 108908, 2019, (I.F: 4.545).
 24. Mabrouk Attia Abd Eldaim, Ehab Tousson, **Ibrahim El Tantawy El Sayed** and Walaa Mohamed Awd, "Ameliorative effects of Saussurea lappa root aqueous extract against Ethephon-induced reproductive toxicity in male rats", Environmental Toxicology, **34**, 150-159, 2019, (I.F: 3.118).
 25. Sally El-Hefnawy, Alshimaa Mahmoud Alhanafy, **Ibrahim El Sayed**, Mohamed Sallam, "Pyruvate Kinase Isoform M2 As A Diagnostic Tool For Renal Cell Carcinoma". European Journal of Pharmaceutical and Medical Research, **5**, 89-98, 2018, (I.F: 6.222).
 26. Nader M. Boshta, Enas A. Elgamal, **Ibrahim E. T. El-Sayed**, "Bioactive amide and α -aminophosphonate inhibitors for methicillin-resistant Staphylococcus aureus (MRSA)" Monatshefte für Chemie - Chemical Monthly, **149**, 2349–2358, 2018. (I.F: 1.349).
 27. Mariam Ahmed Azzam, Hanaa Abdel Latif El-Boraey & **Ibrahim El Tantawy El-Sayed**, "Transition metal complexes of α -aminophosphonates part II: Synthesis, spectroscopic characterization, and in vitro anticancer activity of copper(II) complexes of α -aminophosphonates", Phosphorus, Sulfur, and Silicon and the Related Elements, **195**, 339-347, 2019, <https://doi.org/10.1080/10426507.2019.1700258>, (I.F: 1.272).
 28. Enas A. Imam, **Ibrahim El-Tantawy El-Sayed**, Mohammad G. Mahfouz, Ahmad A. Tolba, Takaya Akashi, Ahmed A. Galhoum, Eric Guibal, "Synthesis of α -aminophosphonate functionalized chitosan sorbents: Effect of methyl vs phenyl group on uranium sorption", Chemical Engineering Journal, **352**, 1022–1034, 2018 (I.F: 10.652).

29. El-Aarag B, Abdu-Allah AM, Abo-Alfa MA, **El Sayed IT** “Serum Beta-trace Protein and Cystatin C as Biomarkers for Renal Dysfunction in Patients with Chronic Kidney Disease”. *J Mol Biomark Diagn*, **9**: 399, 2018,. doi: [10.4172/2155-9929.1000399](https://doi.org/10.4172/2155-9929.1000399), (I.F: 1.85).
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