

Curriculum Vitae

Mohamed Sayed Mohamed IBRAHIM

**Professor of Analytical Chemistry
Chemistry Department, Faculty of Science,
Assiut Assiut University, Assiut, Egypt**

Curriculum Vitae

Mohamed Sayed Mohamed IBRAHIM
B.Sc., M.Sc., Ph.D.

1. Personal Information

Name first: Mohamed	Middle: Sayed Mohamed	Surname: IBRAHIM
Current Position:	Professor of Analytical Chemistry, Chemistry Department, Faculty of Science, Assiut Assiut University, Assiut, Egypt	
Date & place of birth:	21 July 1962, Assiut, Egypt	
Permanent Address:	Chemistry Department, Faculty of Science, Assiut Assiut University, Assiut, 71516, Egypt.	
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2. Academic Qualifications:

- **Ph.D. Faculty of Science, Assiut University: 1992**
- **M.Sc. Faculty of Science, Assiut University: 1989**
- **B.Sc. (Honor) Faculty of Science, Assiut University: 1984**

3. Career Development:

2008-2011 : President, Sohag University.

2006-2008 : Vice Dean for Education and Students affairs, Faculty of Science, Assiut University.

2002- Current: Professor, Chemistry Department, Faculty of Science, Assiut University.

1997-2001 : Associate Professor, Chemistry Department, Faculty of Science, Assiut University.

1992-1996: Assistant Professor, Chemistry Department, Faculty of Science, Assiut University.

1989-1992 : Teaching Assistant, Chemistry Department, Faculty of Science, Assiut University.

1984-1989 : Demonstrator, Chemistry Department, Faculty of Science, Assiut University.

4. Membership of Boards and Scientific Committees.

- Member of the Supreme Council for Egyptian Universities: 2008-2011.
- Member of the Scientific Conference for Egyptian Universities: 2008-2011.
- Chairman of the Egyptian mission in the 35th session of the General Conference of UNESCO for Science and Culture, Paris, France, October 2009.
- Member of the Committee of Educational Studies sector in the Supreme Council for Egyptian Universities (Ministerial Decree No. 1, 8/1/2015)
- Chairman of the Board of several educational centers at the Sohag University: 2008-2011.

- University President Advisor for Arab universities Affairs, Assiut University: 2003-2005.
- Chairman of the Committee of Education and Student Affairs, Faculty of Science, Assiut University: 2006-2008.
- Member of the Faculty of Science council, Assiut University: 2006-2008.
- Member of the Education and Student Affairs Council at the level of Assiut University: 2006-2008.
- Member of the Committee for Graduate Studies and Research, Faculty of Science, Assiut University: Academic year 2014/2015.
- Head of Nonorganic Chemistry Division, Chemistry Department, Faculty of Science, Assiut University: March 2015.
- Head of the Training and professional Development branch, Education University Development Center, Assiut Univ.:2008
- Member of the Board Council of Education Development Center, Assiut University: January - August 2015.
- Supervisor on the atomic absorption spectroscopy unit, central laboratory, Assiut University: 2006-2008.
- Member of the follow-up committee for the project "constructing an educational museum for Egyptian Fauna", Faculty of Science, Assiut University.
- Member of the follow-up committee for the project "development of the learning math through a computer network" Faculty of Science, Assiut University.
- Member of the Board council of Analytical Chemistry Unit, Faculty of Science, Assiut University: 2007-2009.
- Member of the steering committee of the roads leading to the higher education project, Ministry of Higher Education: 2008-2011.
- Member of the Chemistry Department council, Faculty of Science at the Universities of Assiut and United Arab Emirates.
- Participant and Supervising several Education Development projects in Assiut and Sohag Universities funded from the Projects Management Unit- Ministry of Higher education-Egypt: FLDP, HEEPF, ICTP and QAAP
- Participant and Supervising of many Students Activities, Environmental and society activities, Professional Conferences, Academic Symposiums, workshops, and forums for Academic Cooperation held in Assiut and Sohag Universities.

5. Activities and Membership of Non-Academic Committees

- Prepare a plan for student activities in Sohag University and supervising its implementation.
- Chairman of the Board of several centers and units of special character, Sohag University: 2008-2011.
- Honorary member of the Union of Arab archaeologists: October 2008.
- Member of the Higher Committee for student activities, Assiut University: 2006-2008.

- Coordinator of the 14th meeting for the Arab students training offers exchange, Association of Arab Universities, Assiut university: 2008.
- Member of several non-academic committees, Chemistry Department, Faculty of Science, Assiut University.
- Member of the organizing committee for the "problems of the young students" conference, Assiut University: April 2008.
- Member of the organizing committee for the "violence and conflicts in the South countries" conference, Assiut University: 2007.

6. Membership of Associations and Unions

- Member of the Egyptian Syndicate of Scientific Professions.
- Member of the Egyptian Society for Electrochemistry.
- Member of the Board council of industrial zones, Sohag Government: 2008-2011.

7. Strategic Planning and Activities of Higher Education Development projects

7.1. Sohag University

- Constructing a Strategic plan unite, Sohag University:2009
- Develop a comprehensive vision for the development of Sohag University (Strategic Plan for the development of Sohag University 2010/2014).
- Supervision and follow-up the financing process for the development projects from the Project Management Unit (PMU), Ministry of Higher Education.
- Three faculties (Science - Medicine - Agriculture) from Sohag University, received funding for quality assurance and accreditation project CQAAP (Total Budget 22,000,972 pounds).
- The implemmentation of several student projects at Sohag University in the field of quality assurance and accreditation (QAAP), funding by the Ministry of Higher Education.
- Four faculties (Education - commerce - Nursing - Education) from Sohag University, received funding for quality assurance and accreditation project QAAP 2 (Total Budget 360,000 pounds): 2009.
- Accreditation of Four laboratories at the Sohag University (plasma Lab., toxins Lab., genetics Lab., Students Evaluation and exams systems project) PCIQAP, Ministry of Higher Education (Total Budget 5,400,000 pounds): 2010.
- Funding the ICTP projects (sex projects) for development of the education programs systems using technology, in the second period, Ministry of Higher Education (Total Budget 2,023,000 pounds): 2009.
- Activating the role of the centers and units in Sohag University which support the development process, such as: Faculty and leadership Development Project, project management unit, accreditation and quality assurance center, accreditation and quality assurance units in the faculties.

7.2. Assiut University

- Vice-Project Manager of the project "Constructing of a teaching Resources and Multimedia Center", Faculty of Science- Assiut University": 2006-2007.
- Vice-Project Manager of the project "Development of Professional Diploma Courses for Students of Special Education Branch to Deal with the Blind and the Deaf" Faculty of Education, Assiut University": 2006-2007.
- Member of the Accreditation and Quality Assurance Unit, Faculty of Science, Assiut University: 2006-2008
- Member of the Projects Management Unit, Assiut University: 2006-2008.
- Member of the follow-up committee for the Higher Education development projects, Faculty of Science, Assiut University: 2006-2008
- Participant and Supervising on the issuing of new bylaws (credit hours system) for undergraduate students, Faculty of Science, Assiut University: 2006-2008

7.3. Supreme Council for Egyptian Universities

- Member of National Center for Faculty and leadership Development (NCFLD) – Supreme Council of Universities- Egypt: 2008-2011
- Authorized of the Faculty and leadership Development project (FLDP), Assiut University: 2006-2008
- Arbitrator in the national project for Accreditation and Quality Assurance (QAAP II), Supreme Council of Universities.
- Certified Trainer in the Faculty and leadership Development project (FLDP), Supreme Council of Universities (TOT1).
- Setup and participate in many workshops for higher education development projects, Ministry of Higher Education.

8. Workshops and Training Programs

- Regional Reflection Workshop on “ **Institutional Change Processes and Lessons learnt from Change Resilience**”
Organized by IUCN Regional office for West Asia and ISESCO, Marrakesh, Morocco, 27-29 April, 2013.
- Workshop on “**Personality Types and Success Strategies**” Organized by Faculty and leadership Development project (FLDP), *Assiut university, March 2007, Assiut, Egypt.*
- Workshop on "**New trends in scientific research**" Faculty and Leadership Development Project (FLDP), *Assiut University, December 5-6, 2006.*
- On-line course on “**e-Learning using A Tutor**” Organized by Higher Education

Enhancement Project Fund (HEEPF), *May 2005, Cairo, Egypt.*

- Training program on **"Teaching for Learning"**, Faculty and leadership Development project, Ministry of Higher Education , *June 11-12, 2004, Assiut, Egypt.*
- Workshop on **"Using Multimedia in Teaching"** Assiut university, *February 15-16, 2004, Assiut, Egypt.*
- Workshop on **"New Trends in Teaching"** United Arab Emirates University, *March 12, 2003.*
- Workshop on **"Management of the Projects Funded by by the Higher Education Enhancement Project Fund (HEEPF)"** *November 2004,Cairo, Egypt.*
- Workshop on **"Training of trainers"** (TOT), Faculty and leadership Development project, Ministry of Higher Education , *January 3-7, 2004, Cairo, Egypt.*
- Training program on **"Course Desing and Educational outcomes"** *United Arab Emirates University, 10-12 February, 2003.*
- The Workshop in **"Statistical Analysis Using SPSS"**, *United Arab Emirates University, May 11-12, 2003.*
- Workshop on **"Computer Graphics"**, *United Arab Emirates University, 10-12 April,1999.*
- The Fifth International School and Workshop of **"Crystallography: Teaching and Applications"**, *Suez Canal University, Egypt, 5-11 April, 1997.*
- The First Workshop in **"Electrochemistry"**, *Sohag, Egypt, 3-4 April,1994.*

9. External Cooperation and Building Partnerships

9.1. National Cooperation

Member of several non-academic committees in Sohag Government, contract several agreements and protocols with various national external actors, among them:-

- Member of the Public Committee for the Protection of Children, Sohag Government: 2008-2011.
- Chairman of the permanent Committee for Public Mobilization, Sohag Government: 2008-2011.
- Member of the Egyptian Holding Company for Water and Waste Water, Sohag Government: 2008-2011.
- Providing many engineering and scientific consulting for the external community through the specialized centers of Sohag University.
- Organizing many medical and veterinary convoys for the external community through the cooperation with the National Council for Youth.

- Organizing many cultural convoys in the Sohag government, Ex. Viral hepatitis, Smoking and Addiction, Climate Changes, ...etc.
- A cooperation agreement between Faculty of agriculture (Sohag University) and the land of Al-Khair company (Miser Al-Khair), Sohag University: 2009.
- Memorandum of Understanding between Sohag University and Upper Egypt Red Sea for Investment and Development Company, Sohag University: 2011
- Cooperation Protocol between Sohag University and Dar Akhbar Elyom in the field of media and press, Sohag University: 2009
- Cooperation Protocol between Sohag University (Center of the Study and Research of Antiquities and Reconstructive) and the Supreme Council of Antiquities (Ministry of Culture), Sohag University: 2010

9.2. International Cooperation

Contract several international agreements and protocols with many foreign universities and institutions among them:-

- Scientific cooperation agreement between Sohag University and University of the Aegean, Rhodes, Greece Republic: 2009
- Scientific cooperation agreement between Sohag University and Pyatigorsk State Linguistic University (Russia): 2008
- Memorandum of Understanding between Sohag University and Dagestan State University (Russia): 2009
- Scientific cooperation agreement between Sohag University and Ibn Khaldoun University, Tiaret, Algeria: 2008
- Scientific cooperation agreement between Sohag University and Kaduna State University, Kaduna, Nigeria: 2009
- Scientific cooperation agreement between Sohag University and AquaDray company, Germany: 2011
- Memorandum of Understanding between Sohag University and Aix-Marseille University, France: 2009

10. Scientific Books

Post-author of two books in the field of analytical chemistry, United Arab Emirates University:-

- Laboratory Manual for Analytical Chemistry (CHEM 205) for Major Chemistry Students, 1999/2000.
- Laboratory Manual for Analytical Chemistry (CHEM 2522) for Non-major Chemistry Students 1999/2000.

11. Technical Skills

11.1. Computer System/Software and Computer Interface:

Experienced with PC system. Software packages experienced with using are:

- Microsoft Office “WindowsXP” (includes Word, Excel, PowerPoint, ...)
- Statistical analysis programs (KaleidaGraph, SPSS,..)
- Drawing programs (ISIS, Chemwin,...)
- Computer Graphics (Macromedia Flash, Adobe Photoshop.)
- e-Publishing Language (HTML, Front page).
- Using Multimedia in Teaching.

11.2. Analytical techniques:

Experienced with the operation and applications of various analytical techniques and instruments such as polarography/voltammetry (AC, DPP, NPP, DCP, LSV,DPV, SWV), Stripping techniques (DPSV, DCSV, ACSV), optical techniques (UV-visb spectroscopy, AAS, IR, NMR,...) , chromatographic techniques (TLC, GC, HPLC, ...) and Thermal analysis (TG, DTG, DTA, ..).

11.3. Teaching Experience

Graduate and undergraduate courses taught are:

• Analytical Chemistry	• Analytical Chemistry For non-Chemistry Students
• Instrumental Analysis	• Selected Topics in Analytical Chemistry
• General Chemistry	• Research Seminar (M.Sc.)
• Environmental Chemistry (M.Sc.)	• Special Topics in Natural Science (M.Sc.)

12. Awards:

Mohamed Abd-El Salam prize in Chemistry, Academic Science Research and Technology, Egypt, 1996.

13. Scientific visits:

- A training course on “ *Microfabrication Analytical Devices: Fluid and Gas Analysis*”, Germany: September 2002.
- Workshop on " *Innovative Methods for Teaching Sciences at the University Level*" UNESCO, Sana'a University, Sana'a Yemen: 2005.

14. Education and Research Projects

- *Development of Electrochemical Nanobiological based sensors for Cancer Diagnosis: From Anticancer Drugs Analysis to Cancer Biomarker Detection*

International Research Project Funded by the Ministry of education, Saudi Arabia (Principal Investigator) 2020-2022.

- "New cancer treatment strategy using combination of antioxidants and anthracycline anticancer drugs: Electrochemical, spectroscopic, molecular docking and cancer cell line studies"

Research Project Funded by the Imam Abdulrahman Bin Faisal University, Saudi Arabia (Principal Investigator) 2019-2020.

- "Development of Novel Electrochemical Sensors for Anticancer Drugs Trace Determination and their Interactions with DNA Reveals the Future of Cancer Diagnostics"
Research Project Funded by the Imam Abdulrahman Bin Faisal University, Saudi Arabia (Principal Investigator) 2017-2018.
- "Constructing of a teaching Resources and Multimedia Center at Faculty of Science-Assiut University"
Educational Project Funded by the Ministry of Higher Education,(Higher Education Enhancement Project Fund (HEEPF) , Egypt, 2006-2007. (Vice-Project Manager).
- "Development of Professional Diploma Courses for Students of Special Education Branch to Deal with the Blind and the Deaf – Faculty of Education – Assiut University".
Educational Project Funded by the Ministry of Higher Education,(Higher Education Enhancement Project Fund (HEEPF) , Egypt, 2006-2007. (Vice-Project Manager).
- "Stripping Voltammetric Determination of Some Anticancer Anthracycline Drugs"
Research Project Funded by the United Arab Emirates University, 1998-1999.
- "Voltammetric Studies of the interaction of some anticancer anthracyclin drugs with DNA"
Research Project Funded by the United Arab Emirates University, 2000-2001.
- "Solubility, Stability and Assay of Some Antihistaminic Drugs: Thermochemical and Analytical Approach"
Research Project Funded by the United Arab Emirates University, 1999-2000.
- " Recovery of Usable Silicon Carbide through Detoxification of Carbonaceous Cathode Waste in Dubal Aluminum Company"
Research Project in Environmental Science Funded by Dubal Aluminum Company, United Arab Emirates, 1999-2002.
- "Determination and Catalytic Degradation of some Pesticides in different environmental pollutants"
Research Project in Environmental Science, Funded by United Arab Emirates University, 1998-2001.
- "Enhancement of Bioavailability and Determination of some Flouroquinolines Antibiotics; Application to UAE Market"
Research Project in Environmental Science, Funded by United Arab Emirates University, 2000-2002.

15. Conferences

- **M.S. Ibrahim**, Y.M. Temerk and H.S.M. Ibrahim
"Fabrication of Sn doped ceria nanoparticles modified glassy carbon past electrode for the selective determination of the anticancer drug dacarbazine in pharmaceuticals"
Electrochemistry 2016. innovative, interdisciplinary, essential., Goslar, Germany September 26th – 28th, 2016 .
- **M.S. Ibrahim**
"Attending the thirty five circle for the general conference of Unesco International Organization for education, science and culture, *Paris, France, 12-16 October, 2009.*
- **M.S. Ibrahim**
"Attending The seventh scientific conference for the department of plastic surgery", June 11, 2009.
Invitation of the American Association "Rotaplast" for performing 200 free operations for children with harelip and cleft palate , 7-21 June, 2009.
- **M.S. Ibrahim**
"Attending the international conference (seven seasons of German-Egyptian co-operation in the field of excavation) between Sohag University and the German Mines University", *October 10, 2009, Sohag, Egypt.*
- **M. S. Ibrahim**, A. M. Kawde, , M.M. Kamal, and Y.M. Temerk
"Electrochemical Investigation of the 5-NitroUracil Interaction with DNA in Absence and Presence of Copper Ions at Different Electrode Surfaces and its Analytical Application"
Biometals 2004 Conference, Germany, September 1- 3, 2004.
- **M.S. Ibrahim**, M.M. Kamal and Y.M. Temerk
"Comparison of the voltammetric studies at mercury and glassy carbon electrodes for the interaction of lumichrome with DNA and analytical applications"
Euroanalysis-12 European Conference on Analytical Chemistry, Germany, 8-13 September, 2002.
- **M.S. Ibrahim**
"Voltammetric Studies of the interaction of some anticancer anthracyclin drugs with DNA"
The Third Annual Research Conference, Al Ain, United Arab Emirates, April 30th – May 1st, 2002.
- **M.S. Ibrahim**, Y.M. Temerk
"Trace voltammetric measurements of cancerostatic actinomycin-C1"
The first international Conference on Basic Science and Advanced Technology” 9-12 November 1996, Assiut, Egypt.

16. Scientific School

Supervising several M.Sc. & Ph.D. Theses in Faculties of Science at the Universities of Assiut, United Arab Emirates and Al-Azhar:

Name of Student	Thesis Title	Degree	University/Date
Abdel-Naser Metwaly Kawde	Voltammetric Studies on some Xanthine Derivatives At the Mercury Electrodes	M.Sc.	Assiut University - 1996
Khalid Abd-Elrahman Al-Magboul	“Determination and Catalytic Degradation of some Pesticides in different environmental pollutants”	M.Sc.	UAE University- 2001
Mouza Rashed Soutan	“Enhancement of Bioavailability and Determination of some Flouroquinolines Antibiotics; Application to UAE Market”	M.Sc.	UAE University- 2002
Khalid Jassim Ahmed Abdullah Akran	“Recovery of Usable Silicon Carbide through Detoxification of Carbonaceous Cathode Waste in Dubal Aluminum Company”	M.Sc.	UAE University- 2003
Ibrahim Abdo Mohammed Ahmed Al Hagri	Electroanalytical Studies on some Floroquinolon Compounds at the Charged Interfaces	M.Sc.	Assiut University – 2007
Mahmoud Madian Mohamed Madian	Electrochemical studies and electroanalysis of sea water	M.Sc.	Al-Azhar University – 2011
Mohamed Kotb Addel-Hafz	Electrochemical studies on some Flavonoid compounds	M.Sc.	Assiut University – 2009
Ibrahim Abdo Mohammed Ahmed Al Hagri	Electrochemical Studies on some β -Lactam Compounds on Charged Interfaces	Ph.D.	Assiut University – 2011
Hossieny Sameih Mohamed Ibrahim Omar	Electrochemical Studies on some Anticancer Compounds at Charged Interfaces	Ph.D.	Assiut University – 2011
Ehab Mahmoud Abd Allah	Deposition of some organic compounds on the solid electrodes surfaces and their Applications	Ph.D	Al-Azhar University - 2014
Mohamed Kotb Addel-Hafz	Electrochemical studies of some anticancer compounds on charged surfaces.	Ph.D	Assiut University (Not granted)

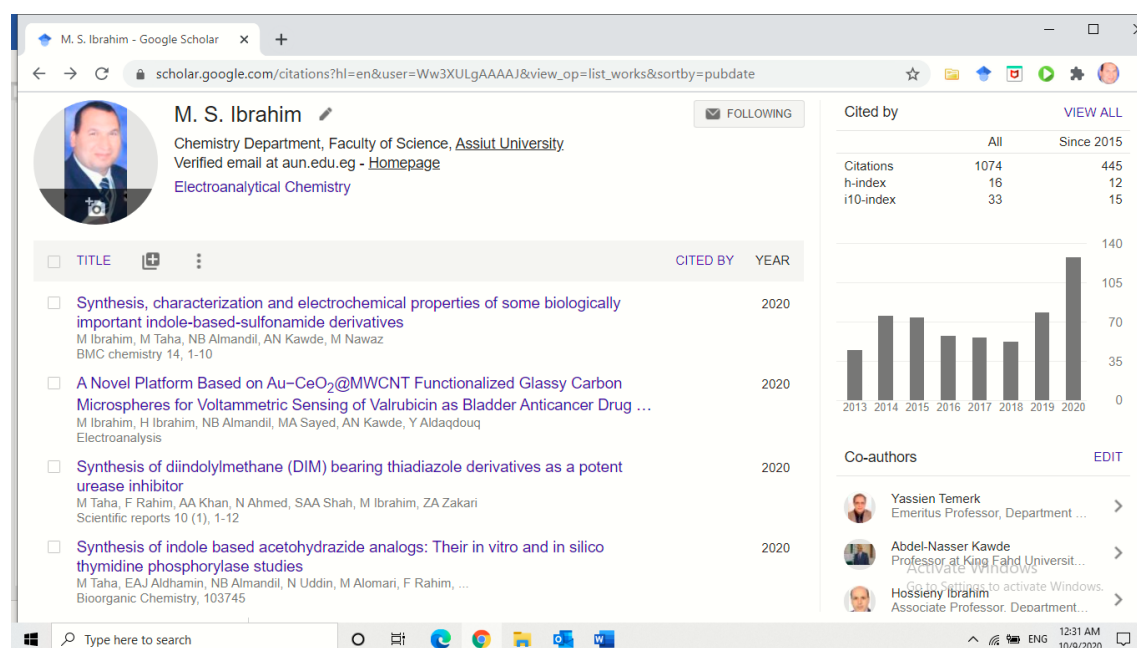
17. Scientific Research Activity

- Published more than 70 Scientific papers in Analytical Chemistry in Peer-Reviewed International Journals. (see the attached list of publications).

Areas of research interest:

My scientific published papers are focused on the following :

- Study the electrochemical behaviour of biomolecules at the mercury electrode surface using the advanced voltammetric techniques.(cyclic, linear sweep and the out-of-phase AC voltammetric techniques)
- Application of the advanced voltammetric techniques (Various types of stripping voltammetric methods) for analytical determination and trace analysis of biological important biomolecules (nucleic acid components, Drugs, pesticides,..) in absence and presence of metal ions.
- Some publications focused on the drugs analysis and their interactions with DNA and cyclodextrines (Alfa, Beta and Gamma) using voltammetric and spectroscopic techniques. The nature and dynamics of binding drugs to biomacromolecules, e.g. DNA, represent an active area of investigation. Binding studies with these various small molecules are valuable for the rational design of drugs as well as in understanding how proteins recognize and bind to specific DNA sequences.
- In recent years, publications focused on the development of chemically nanoparticles modified electrodes and their applications in electrochemical analysis of drugs in pharmaceutical preparations and human body fluids.



List of publications

1. **M Ibrahim**, H Ibrahim, NB Almandil, MA Sayed, AN Kawde
A new hybrid nanocomposite electrode based on Au/CeO₂-decorated functionalized glassy carbon microspheres for the voltammetric sensing of quercetin and its interaction with DNA
Analytical Methods 12 (22),(2020) 2846-2857
2. Taha Muhammad, Rahim Fazal, Aftab Ahmad Khan, Anouar El Hassane, Naveed Ahmed, Shah Syed Adnan Ali, **Mohamed Ibrahim**, Zakari Zainul Amiruddin
Synthesis of diindolylmethane (DIM) bearing thiadiazole derivatives as a potent urease Inhibitor,
*Scientific Reports (Nature Publisher Group)*1, 10 (2020)
3. N Baig, AN Kawde, **M Ibrahim**
Efficient ionic medium supported reduced graphene oxide-based sensor for selective sensing of dopamine
Materials Advances 1 (4) (2020) 783-793
4. Abdel-Nasser Kawde, Muhammad Taha, Raneem Saud Alansari, Noor Barak Almandil, Nizam Uddin, Fazal Rahim, Sridevi Chigurupati, Muhammad Nawaz, Shawkat Hayat, **Mohamad Ibrahim**, Praveen Kumar Elakurthy, Venugopal Vijayan, Mohamed Morsy, Hossieny Ibrahim, Nadeem Baig, Khalid Mohammed Khan
Exploring efficacy of indole-based dual inhibitors for α -glucosidase and α -amylase enzymes: In silico, biochemical and kinetic studies
International Journal of Biological Macromolecules
5. Muhammad Taha, Fazal Rahim, Khalid Zaman, Manikandan Selvaraj, Nizam Uddin, Rai Khalid Farooq, Muhammad Nawaz, Muhammad Sajid, Faisal Nawaz, **Mohamad Ibrahim**, Khalid Mohammed Khan,
Synthesis, α -glycosidase inhibitory potential and molecular docking study of benzimidazole derivatives,
Bioorganic Chemistry 95, (2020) 103555
6. *Muhammad Taha, Ebaa Ahmed Jassim Aldhamin, Noor Barak Almandil, Nizam Uddin, Munther Alomari, Fazal Rahim, Bushra Adalat, **Mohamad Ibrahim**, Faisal Nawaz, Naveed Iqbal, Bandar Alghanem, Abdulelah Altolayyan, Khalid Mohammed Khan,*
Synthesis of indole based acetohydrazide analogs: Their in vitro and in silico thymidine phosphorylase studies
Bioorganic Chemistry, 103745 (2020)
1. *M Taha, F Rahim, AA Khan, N Ahmed, SAA Shah, **M Ibrahim**, ZA Zakari*
Synthesis of diindolylmethane (DIM) bearing thiadiazole derivatives as a potent urease inhibitor
Scientific reports 10 (1) (2020), 1-12
2. **M Ibrahim**, H Ibrahim, NB Almandil, MA Sayed, AN Kawde, Y Aldaqdouq
A Novel Platform Based on Au–CeO₂@MWCNT Functionalized Glassy Carbon Microspheres for Voltammetric Sensing of Valrubicin as Bladder Anticancer Drug,

Electroanalysis 2020, <https://doi.org/10.1002/elan.202060125>

3. **M Ibrahim**, M Taha, NB Almandil, AN Kawde, M Nawaz
Synthesis, characterization and electrochemical properties of some biologically important indole-based-sulfonamide derivatives
BMC chemistry 14,(2020) 1-10
4. Hossieny Ibrahim, **Mohamed Ibrahim**, Yassien Temerk
A novel megestrol acetate electrochemical sensor based on conducting functionalized acetylene black–CeO₂NPs nanohybrids decorated glassy carbon microspheres,
Talanta 200 (2019) 324–332
5. Almandil, N.B.; Taha, M.; Farooq, R.K.; Alhibshi, A.; **Ibrahim, M.**; Anouar, E.H.; Gollapalli, M.; Rahim, F.; Nawaz, M.; Shah, S.A.A.; Ahmed, Q.U.; Zakaria, Z.A.
Synthesis of Thymidine Phosphorylase Inhibitor Based on Quinoxaline Derivatives and Their Molecular Docking Study.
Molecules, 2019, Accepted for publication (doi:10.20944/preprints201901.0086.v1).
6. Muhammad Taha , Maryam Irshad, Syahrul Imran, Fazal Rahim, Manikandan Selvaraj, Noor Barak Almandil, Ashik Mosaddik, Sridevi Chigurupati , Faisal Nawaz, Nor Hadiani Ismail, and **Mohamed Ibrahim**
Thiazole Based Carbohydraze Derivatives as α -Amylase Inhibitor and Their Molecular Docking Study
Heteroatom Chemistry Volume 2019, Article ID 7502347, 8 pages,
<https://doi.org/10.1155/2019/7502347>
7. Noor Barak Almandil, Muhammad Taha, Mohammed Gollapalli, Fazal Rahim, **Mohamed Ibrahim**, Ashik Mosaddik and El Hassane Anouar
Indole bearing thiadiazole analogs: synthesis, β -glucuronidase inhibition and molecular docking study
BMC Chemistry (2019) 13:14
8. Noor Barak Almandil, Muhammad Taha, Fazal Rahim, Abdul Wadood, Syahrul Imran, Mohammed A. Alqahtani, Yasser A. Bamarouf, **Mohamed Ibrahim**, Ashik Mosaddik, Mohammed Gollapalli,
Synthesis of novel quinoline-based thiadiazole, evaluation of their antileishmanial potential and molecular docking studies,
Bioorganic Chemistry 85 (2019) 109–116
9. Nadeem Baig, Abdel-Nasser Kawde, and **Mohamed Ibrahim**
A New Approach of Controlled Single Step In Situ Fabrication of Graphene Composite Sensor for Simultaneous Sensing of Small Biomolecules in Human Urine
ChemistrySelect 2019, 4, 1640-1649
10. Mohammed Gollapalli, Muhammad Taha, Muhammad Tariq Javid, Noor Barak Almandil, Fazal Rahim, Abdul Wadood, Ashik Mosaddik, **Mohamed Ibrahim**, Mohammed A. Alqahtani, Yasser A. Bamarouf,
Synthesis of benzothiazole derivatives as a potent α -glucosidase inhibitor
Bioorganic Chemistry 85 (2019) 33–48

11. Nurudeen A. Odewunmi, Abdel-Nasser Kawde, **Mohamed Ibrahim**,
In-situ single-step electrochemical AgO modified graphite pencil electrode for trace determination of DL-methionine in human serum sample,
Sensors & Actuators: B. Chemical 281 (2019) 765–773
12. **Mohamed Ibrahim**, Hossieny Ibrahim, Noor Almandil and Abdel-Nasser Kawde
Gold nanoparticles/f-MWCNT nanocomposites modified glassy carbon paste electrode as a novel voltammetric sensor for the determination of cyproterone acetate in pharmaceutical and human body fluids,
Sensors and Actuators B, Volume 274, 20 November 2018, Pages 123-132
13. **Mohamed Ibrahim**, Hossieny Ibrahim, Noor B. Almandil, Abdel-Nasser Kawde,
A novel nanocomposite based on gold nanoparticles loaded on acetylene black for electrochemical sensing of the anticancer drug topotecan in the presence of high concentration of uric acid,
Journal of Electroanalytical Chemistry 824 (2018) 22–31
14. Yassien Temerk, **Mohamed Ibrahim**, Hossieny Ibrahim and Wolfgang Schuhmann,
Comparative studies on the interaction of anticancer drug irinotecan with dsDNA and ssDNA,
RSC Adv., 2018, 8, 25387–25395
15. Azeem Rana, Mohamed Ibrahim, Abdel-Nasser Kawde
"Simple and sensitive detection of 4-nitrophenol in real water samples using gold nanoparticles modified pretreated graphite pencil electrode"
Journal of Electroanalytical Chemistry, 820 (2018) 24–31.
16. Nurudeen A. Odewunmi, Abdel-Nasser Kawde and **Mohamed Ibrahim**
Electrochemically Inspired Copper(II) Complex on Disposable Graphite Pencil Electrode for Effective Simultaneous Detection of Hypoxanthine, Xanthine, and Uric acid, *Electroanalysis*, 11 July 2018, <https://doi.org/10.1002/elan.201800397>
17. Muhammad Taha, Ashik Mosaddik, Fazal Rahim, Sajjad Ali, **Mohamed Ibrahim**,
Noor Barak Almandil "**Synthesis, antiglycation and Antioxidant potentials of Benzimidazole Derivatives**" *Journal of King Saud University – Science*, 2020.
<https://doi.org/10.1016/j.jksus.2018.04.003>
18. **M.S. Ibrahim**, Y.M. Temerk and H.S.M. Ibrahim
"Fabrication of Sn doped ceria nanoparticles modified glassy carbon past electrode for the selective determination of the anticancer drug dacarbazine in pharmaceuticals"
RSC Adv.,7, 32357-32366 (2017).
19. Y.M. Temerk, **M.S. Ibrahim**, H.S. Ibrahim, M. Kotb
Adsorptive stripping voltammetric determination of anticancer drug lomustine in biological fluids using in situ mercury film coated graphite pencil electrode
Journal of Electroanalytical Chemistry 760, 135-142 (2016)
20. Y Temerk, **M Ibrahim**, H Ibrahim, M Kotb

"Interactions of an anticancer drug lomustine with single and double stranded DNA at physiological conditions analyzed by electrochemical and spectroscopic methods"

Journal of Electroanalytical Chemistry 769, 62-71(2016).

21. *Y.M. Temerk, M.S. Ibrahim, H.S.M. Ibrahim and M. Kotb*
"Interaction of an anticancer drug Formestane with single and double stranded DNA at physiological conditions"
Journal of Photochemistry and Photobiology B: Biology 149, 27-36 (2015)
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