



Rana Hasan Ahmed

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Social Profiles

ResearchGate

<https://www.researchgate.net/profile/Rana-Hasan-2>

Languages

Arabic

English



Profile

More than 14 years as a knowledgeable and effective physical chemist working with individual and groups



Employment History

Assistant Lecturer at University of Mosul, IRAQ
December 2005 – January 2011

Lecturer at University of Mosul, IRAQ
Januar 2011 – Present



Education

Doctor of Philosophy, at University of Mosul, IRAQ
December 2013 – October 2020

Differential Pulse Voltammetric technique has been used to study the electrochemical behaviour of Hydroquinone and Chatechol on Graphite electrode (GE), GE /Poly Furfurylamine (PFA), GE / Multiwalled Carbon Nano Tubes (MWCNTs), GE/MWCNTs /PFA .A modified electrodes was successfully applied for simultaneous determination of HQ and CC in mixture.

Master in Chemistry, University of Mosul, IRAQ
2002–2005

Total peroxides (organic peroxides and hydrogen peroxide) have been determined by using the iodine method ,and enzyme peroxidase method for hydrogen peroxide in the γ -radiolysis of threonine in oxygenated aqueous solutions .



Skills

Physical Chemistry, Differetial Pulse Voltammetry , Cyclic Voltammetry , Modification of Electrodes , Chemical Sensors, conducting Polymers.



References

Assist.Prof.Dr.Amer Th.Al-Tae
Deperatment of Chemistry /College of Science/University of Mosul ,Iraq
ameraltae1965a@gmail.com



Workshops

- 1- winter school 16-21december2018 tchnische universiat dortmund.
- 2- Intensive Course at TU Dortmund University entitled (recycling of synthetic substanses) ,7-14 December 2019.



Resent Publications

1-A.S.P.Azzouz ,S.A.Ahmed and R.H.AL-Hyali , "Tautomerism study for some macro bi imines derived from benzoin and acetyl acetone", National Journal of Chemistry,2010, Volume 39, 499-514.

2- د. أزهر عبد الطيف العبيدي، رنا حسن احمد أحيالي، " تأثير أيون النحاس الثنائي (Cu II) على انحلال أليبيروكسيدات العضوية الناتجة من التحلل الأشعاعي للثريونين المشبع بالأوكسجين "مجلة التربية والعلم - المجلد 24، العدد 2، لسنة 2011.

3-Rana H. Al Hyali , "Electrical Conductivity of Acetyl Acetonyl binylidene 5- Amino Salicylic Acid in Ethanol: Water Mixtures at Different Temperatures" , J. Edu. & Sci., Vol. (25), No. (3) 2012.

4-Azhar A.A Al-Obaidy, Emad A S. Al-Hyali, Rana H. A. K. Al-Hyali, "Kinetic and Activation Thermodynamic Studies on the Decay of Organic Peroxides in γ - irradiation of Threonine in Aqueous Solutions at Different pH' s", J. Edu. & Sci., Vol. (25), No. (2) 2012.

5-Yaser O. Alallaf ,Sahbaa A. Ahmed , Rana H. Ahmed , "Effect of Physical Properties on Conductivity Measurements of Acetyl acetonylbinylidine 4-aminosalicylic Acid in Different Percentages of Ethanol/ Water Mixture", Raf. J. Sci., Vol. 27, No.3, pp. 58-68, 2018.

6-Rana H.Al-Hyali, Amer Th.Al-Taee , "Simultaneous Determination of HQ and CC Using GE and Different Modified Electrodes (GE /PFA, GE/MWCNTs,GE/MWCNTs /PFA",Test Engineering and Management ,ISSN: 0193-4120 Page No. 2898 – 2908,2020.

7- Rana H.Al-Hyali, Amer Th.Al-Taee "A New GE / MWCNTs / PFA Modified electrode for Simultaneous Determination of Catechol and Hydroquinone" Research J. Pharm. and Tech. 14(2): February 2021.