

Department of Chemistry:

Dr. A.Mohamed Sikkander /Associate Prof. / HOD

Journal Publication: 2018

1. Dr.A.Mohamed Sikkander ,Multiwall carbon nanotube based electrochemical sensor for nitrendipine, an antihypertensive drug Indian Journal of Chemical Technology Vol. 25, September,2018, pp. 489-492,ISSN : 09 0991(Online); 0971- 457X
2. Dr.A.Mohamed Sikkander ,Electrochemical Stripping Studies of Felodipine Pelagia Research Library Der Chemica Sinica, 2018, 9(2):667-701 *Pelagia Research Library* ISSN: 0976-8505 CODEN (USA): CSHIA5

Journal Publication: 2019

- 1.Dr.A.Mohamed Sikkander , Code Confusion Identity based Access Mechanism for Generic Mobile Security Solutions using Mobile Agents Caribbean Journal of Science Volume53, issue2 (May-Aug) 2019, Page no: 2402-2409, ISSN: 0008-6452
2. Dr.A.Mohamed Sikkander, Backhaul performance of 5g twdm-pon network using energy efficient clustering, caribbean journal of science volume53, issue2 (may-aug) 2019, page no: 2355-2362, issn: 0008-6452

Journal Publication: 2020

1. Dr. A Mohamed Sikkander, Exigency for Use of Nano Material Biosensors In Diagnosis of Disease Journal of Science and Technology Volume 5, Issue 2, March-April 2020, PP 25-31, ISSN: 2456-5660
2. K.Kavitha,A. Mohamed Sikkander,SK.Rafi, Nanotechnology Impacting In Electronic Industries, Journal of Science and Technology Volume 5, Issue 2, March-April 2020, PP32-37,ISSN: 2456-5660,
3. Dr.A.Mohamed Sikkander and Dr.Jeevaa Katiravan, Neurocomputing Journal of Science and Technology Volume 5, Issue 4, July-August 2020, PP, 214-219, ISSN: 2456-5660
4. Dr..Sheela Violet Rani,Dr.T. Dhanasekaran,Dr.D. Jesudurai and Dr.A.Mohamed Sikkander, Synthesis and Characterization of A New Nano Photo Catalyst System (Cu-Trp Ilu/Mwcnts) by Doping Copper-TryptophanIsoleucine Complex with Multiwalled Carbon Nanotubes Prepared Through A Simple Chemical Approach and Its Applications,Journal of Science and Technology Volume 5, Issue 4, July-August 2020, PP 220-229,ISSN: 2456-5660
5. Dr.A. Mohamed Sikkander and Dr.Sangeeta R.Mishra, Efficaciousness of substrate-intergrated of microelectrodes (siams) in neuroscience Journal of Biomedical Imaging and Bioengineering, November 2020. Volume 4, Issue 3.PP1-5. DOI: 10.35841/biomedical.4.3.1-5
6. Dr. A Mohamed Sikkander Favipiravir is a Broad Spectrum Antiviral Prescription Famous to Selectivity Block RNA-Dependent RNA Polymerase (RdRp) and SARS- COVID-19, Chemical ngineering Journal, Volume 1, Issue 1, 2020.
7. Dr. A Mohamed Sikkander , Spectrophotometric Determination of Ziprasidonehydrochloride (ZPN), 5-[2-(4- Benzo [D] Isothiazol-3-YL-Piperazin-1-YL)-Ethyl]-6-Chloro-1, 3-Dihydro-Indol-2-One Hydrochloride Using Gold (III), Chemical Engineering Journal, Volume 1, Issue 1, 2020.

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1. . Dr.A.Mohamed Sikkander and Dr.Heba S. Abbas, Biosensors for pathogens diagnosis, 2021:Journal of Chemical Technology and Applications,Volume 4, Issue 1,P1-3
2. Dr.A. Mohamed Sikkander and Ms.Khadeeja Yasmeen, Review on Nanotechnology persecute vital role of Curative Applications in Medicinal Field and its ailing Effects Journal of Science and Technology Volume 6, Issue 2, March-April2021, PP 01-08, ISSN: 2456-5660
3. Ms.Khadeeja Yasmeen and Dr.A. Mohamed Sikkander, Progression of Nanotools in Neuroscience Journal of Science and Technology Volume 6, Issue 2, March-April2021, PP 09-16, ISSN: 2456-5660

4. Dr.A. Mohamed Sikkander, Dr.K. Kavitha, Ms. S. Sasikala and Ms.Khadeeja Yasmeen, Distinctiveness of Nanoparticles Drug Delivery in Cancer Journal of Science and Technology Volume 6, Issue 2, March-April2021, PP 17-22, ISSN: 2456-5660
5. Dr.A. Mohamed Sikkander, Dr.Heba S. Abbas, Dr.K.Kavitha, S.Sasikala and Ms.Khadeeja Yasmeen,Carbon–Based Nanomaterials Impacting in Neuroscience Journal of Science and Technology Volume 6, Issue 2, March-April2021, PP 42-47, ISSN: 2456-5660
6. Dr.A. Mohamed Sikkander and Ms.Khadeeja Yasmeen, Characterization of Bacterial Culture on ZnO and Pb(NO₃)₂Nanoparticles ,Journal of Science and Technology Volume 6, Issue 2, March-April2021, PP 48-57, ISSN: 2456-566025.
7. Dr.A. Mohamed Sikkander and Ms.Khadeeja Yasmeen, Review on Defensive Roles of ThymoquinoneNanobiosensing Prospective in Opposition to Cancer, Journal of Science and Technology Volume 6, Issue 2, MarchApril2021,PP 58-63,ISSN: 2456-5660
8. Dr.A. Mohamed Sikkander and Ms.Khadeeja Yasmeen, Nanobiosensors impacting in Medicinal Electronics Journal of Science and Technology Volume 6, Issue 2, March-April2021, PP 64-69, ISSN: 2456-5660
9. Rajkamal Sivakumar , Prabhakaran Gopalakrishnan and Dr.A.Mohamed Sikkander, Comparative analysis of anti-reflection coatings on solar PV cells through TiO₂ and SiO₂ nanoparticles, Pigment & Resin Technology, Article publication date: 18 May 2021 ISSN/0369-9420
- 10 . Dr. A Mohamed Sikkander , Review on Immunotherapy against Cancer, Chemical Engineering Journal, Volume 2, Issue 1, 2021.
11. Dr. A Mohamed Sikkander ,Micro Plastic Pollution in the Marine Environment, Chemical Engineering Journal, Volume 2, Issue 1, 2021.
12. Dr.A.MohamedSikkander,Mr.Rajkamal, Dr.K.Kavitha,Ms.Khadeeja Yasmeen, Solar Energy and its Conversion Challenges,Journal of Chengdu University of Technology (Science and Technology Edition)Volume26,issue07-2021-S.No:74
13. Dr.A.Mohamed Sikkander, Dr.K.Kavitha, Ms.S.Sasikala, Dr.Sangeeta R.Mishra, Ms.Khadeeja Yasmeen ,Exigency of A.I and M.L in genetic and tissue engineering,Journal of Chengdu University of Technology (Science and Technology Edition), Volume26,issue07-2021-S.No:112.
14. Dr. A Mohamed Sikkander, Khadeeja Yasmeen, Vijay Pratap, Dr. K Kavitha and Dr. Sangeeta R Mishra ,Appraisal of antimicrobial activities of ZnO and Pb (No₃)₂ Nanoparticles, International Journal of Chemical Studies, Volume 9, Issue 6, ISSN: 2349-8528, 001-008, March-April 2021
15. Dr.A. Mohamed Sikkander and Ms.Khadeeja Yasmeen, Review on Green Synthesis of Positively Charged Biocompatible Gold Nanoparticles in Water: Use of Ascorbic Acid as Reducing Agent Journal of Science and Technology Volume 6, Issue 2, March-April2021, PP 23-41, ISSN: 2456-5660

Dr.K.Kavitha/AP- II

Journal Publication: 2018

1. Dr.K.Kavitha , Effect of ammonia on the redox reaction of cobalt(II) with potassium ferricyanide in alkaline medium ,International Journal of Advance Research, Ideas and Innovations in Technology,Volume 4, Issue 4,July-August 2018,766-770

Journal Publication: 2019

1. Dr.K.Kavitha ,Potentiometric Titration of Manganese (II) withPotassium Ferricyanide using Mannitol as a Complexing Agent,International Journal of Scientific Engineering and Research (IJSER),Volume 4, Issue 8,13-17 ,Aug 18.Journal Publication: 2019

2. Ms.V. Anitha, Dr.K.Kavitha, R. Rama Nachiar, S.Sasikala, Dr.A. MOHAMMED SIKKENDER, Synthesis and Characterization of supra molecular cucurbituril Molybdenum 2,2- Bipyridyl Complex –IJRASET, Volume 7, Issue VI, June 2019.

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1. Dr.K.Kavitha, Effect Of Glycine On Potentiometric Titration of Cobalt (II) With Potassium Hexacyanoferrate (II),International journal of scientific & technology research,Volume 9, Issue 3,906-909,March 2020

2. Dr.A.Mohamed Sikkander, Dr.K.Kavitha, Ms.S.Sasikala, Dr.Sangeeta R.Mishra, Ms.Khadeeja Yasmeen Exigency of A.I and M.L in genetic and tissue engineering,Journal of Chengdu University of Technology (Science and Technology Edition), Volume26,issue07-2021-S.No:112.

3. K.Kavitha,A. Mohamed Sikkander,SK.Rafi ,Nanotechnology Impacting In Electronic Industries, Journal of Science and Technology, Volume 5, Issue 2, March-April 2020, PP32-37,ISSN: 2456-5660,

4. Ms.Sasikala Sakkaravarthy, Dr.Kavitha Kamalasekaran, Ms.Anitha and Ms.Rama Nachiar,Analysis of The Spatial Distribution of Micro and Macronutrients In Soil From Ind. Site Near Nellikuppam Town In Cuddalore District, Journal of Science and Technology, Volume 5, Issue 5, ISSN: 2456-5660,Page No:28-34, Sept-October 2020

5. Ms.R. Rama Nachiar, Ms.VAnitha, Dr.K.Kavitha and Ms.S.Sasi kala, Synthesis and characterization of Faujasite type Zeolite from Fly Ash by Hydrothermal treatment”, Journal of Science and Technology, Volume 5, Issue 5, ISSN: 2456-5660,Page No:110-118, Sept-October 2020

Journal Publication: 2021

1. Dr.A. Mohamed Sikkander, Dr.Heba S. Abbas, Dr.K.Kavitha, S.Sasikala and Ms.Khadeeja Yasmeen Carbon–Based Nanomaterials Impacting in Neuroscience Journal of Science and Technology Volume 6, Issue 2, March-April2021, PP 42-47, ISSN: 2456-5660

2. Dr.A.MohamedSikkander,Mr.Rajkamal, Dr.K.Kavitha,Ms.Khadeeja Yasmeen ,Solar Energy and its Conversion Challenges,Journal of Chengdu University of Technology (Science and Technology Edition)Volume26,issue07-2021-S.No:74

3. Dr.A. Mohamed Sikkander, Dr.K. Kavitha, Ms. S. Sasikala and Ms.Khadeeja Yasmeen Distinctiveness of Nanoparticles Drug Delivery in Cancer Journal of Science and Technology Volume 6, Issue 2, March-April2021, PP 17-22, ISSN: 2456-5660

4. Dr. A Mohamed Sikkander, Khadeeja Yasmeen, Vijay Pratap, Dr. K Kavitha and Dr. Sangeeta R Mishra ,Appraisal of antimicrobial activities of ZnO and Pb (No3)2 Nanoparticles, International Journal of Chemical Studies, Volume 9, Issue 6, ISSN: 2349-8528, 001-008, March-April 2021

5.Dr.K.Kavitha, Potentiometric Titration of Vanadium (V) with Iron (II) in the Presence of NTA and DTPA Using Dry-Cell Graphite Electrode,Revista de Chimie,Volume 72, Issue 3,144-158,144-158

Ms.R. Rama Nachiar/AP –II

Journal Publication: 2019

1. Ms.VAnitha, Dr.K.Kavitha, R. Rama Nachiar, S.Sasikala, Dr.A. Mohammed sikkender Synthesis and Characterization of supra molecular cucurbituril Molybdenum 2,2- Bipyridyl Complex –IJRASET, Volume 7, Issue VI, June 2019.

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1. Ms.Sasikala Sakkaravarthy, Dr.Kavitha Kamalasekaran, Ms.Anitha and Ms.Rama Nachiar, Analysis of The Spatial Distribution of Micro and Macronutrients In Soil From Ind. Site Near Nellikuppam Town In Cuddalore District, Journal of Science and Technology, Volume 5, Issue 5, ISSN: 2456-5660,Page No:28-34, Sept-October 2020

2. Ms.R. Rama Nachiar, Ms.VAnitha, Dr.K.Kavitha and Ms.S.Sasi kala Synthesis and characterization of Faujasite type Zeolite from Fly Ash by Hydrothermal treatment”, Journal of Science and Technology, Volume 5, Issue 5, ISSN: 2456-5660,Page No:110-118, Sept-October 2020

Ms.V.Anitha/AP -II

Journal Publication: 2018

1. V. Anitha and Dr. P. Venkatesh , Studies on the Influence of Electroless Deposition Process, International Journal for Research and Applied Science & Engineering Technology, Volume 6 , Issue VIII, 91, 629-635, August 2018

Journal Publication: 2019

1. S. Jayalakshmi , V. Anitha and Dr. P. Venkatesh Study of electroless copper nano thin film deposition using eco friendly complexing agents –IJRAR-Volume 6 ,Issue I, March -2019.

2. V. Anitha and Dr. P. Venkatesh Autocatalytic copper plating process on non conducting epoxy resin plate,JETIR February 2020, Volume 7, Issue 2, pg. 222-230

3. V. Anitha, Dr.K.Kavitha, R. Rama Nachiar, S.Sasikala, Dr.A. MOHAMMED Synthesis and Characterization of supra molecular cucurbituril Molybdenum 2,2- Bipyridyl Complex –IJRASET, Volume 7, Issue VI, June 2019.

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1. Ms.Sasikala Sakkaravarthy, Dr.Kavitha Kamalasekaran, Ms.Anitha and Ms.Rama Nachiar,Analysis of The Spatial Distribution of Micro and Macronutrients In Soil From Ind. Site Near Nellikuppam Town In Cuddalore District, Journal of Science and Technology, Volume 5, Issue 5, ISSN: 2456-5660,Page No:28-34, Sept-October 2020

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3. V. Anitha, Dr. P. Venkatesh and, Electroless plating of nano crystalline copper films on epoxy laminated substrate”, Aut Aut Research Journal. Volume 11, Issue IX, September 2020, 480-488

4. V. Anitha and Dr. P. Venkatesh Role of Glycine in Electroless Copper plating using Polyhydroxylic alcohol complexing agent,Aut Aut Research Journal. Volume 11, Issue IV, April 2020, 277-283

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1. S. Jayalakshmi , S. Absara Fdo , V. Anitha , P. Venkatesh, Influence of organosulphur additives on autocatalytic thin film deposition , Materials Today Proceedings ,47(2021)2020-24

2. S. Jayalakshmi , S. Absara Fdo , V. Anitha , P. Venkatesh, Thin film of nano copper deposition by specialadditives onan ecofriendly electroless bath, Materials Today Proceedings ,47(2021) 1862-1867

Ms. S. Sasikala /AP- I

Journal Publication: 2019

1. V. Anitha, Dr.K.Kavitha, R. Rama Nachiar, S.Sasikala, Dr.A. Mohamed Sikkander Synthesis and Characterization of supra molecular cucurbituril Molybdenum 2,2- Bipyridyl Complex – IJRASET, Volume 7, Issue VI, June 2019.

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1. Ms.Sasikala Sakkaravarthy, Dr.Kavitha Kamalasekaran, Ms.Anitha and Ms.Rama Nachiar,Analysis of The Spatial Distribution of Micro and Macronutrients In Soil From Ind. Site

Near Nellikuppam Town In Cuddalore District, Journal of Science and Technology, Volume 5, Issue 5, ISSN: 2456-5660,Page No:28-34, Sept-October 2020

2. Ms.R. Rama Nachiar, Ms.VAnitha, Dr.K.Kavitha and Ms.S.Sasi kala, Synthesis and characterization of Faujasite type Zeolite from Fly Ash by Hydrothermal treatment”, Journal of Science and Technology, Volume 5, Issue 5, ISSN: 2456-5660,Page No:110-118, Sept-October 2020

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