

CURRICULUM VITAE

- I. (a) Name: Isaiah Ajibade Adejoro
(b) Date of birth: 24 May, 1960
(c) Department: Chemistry
(d) Faculty: Science
- II. (a) First Academic Appointment: Assistant Lecturer (3 January, 2000)
(b) Present Post (with date): Reader (1 October, 2014)
(c) Date of Last Promotion: 1 October 2014
(d) Date Last Considered (in cases where promotion was not through): Not Applicable
- III. University Education (with dates):
University of Ibadan; Undergraduate, 1982 – 1986
University of Ibadan; Postgraduate, 1987 - 1988
University of Ibadan; Postgraduate, 1999 – 2005
- IV. Academic Qualifications (with dates and granting bodies):
B.Sc (Chemistry) University of Ibadan, 1986
M.Sc (Physical Chemistry), University of Ibadan, 1988
PhD (Physical/Computational Chemistry), University of Ibadan, 2005
- V. Professional Qualifications and Diplomas (with dates): Nil
- VI. Scholarships, Fellowships and Prizes (with dates in respect of Undergraduate and Postgraduate work only): Nil
- VII. Honours, Distinctions and Membership of Learned Societies:
Professional Member, Institute of Chartered Chemists of Nigeria (ICCON)
Member, Chemical Society of Nigeria (CSN)
- VIII. Details of Teaching/Work Experience:
(a) Work Experience
(i) Assistant Lecturer 2000 - 2002
(ii) Lecturer II 2002 - 2005
(iii) Lecturer I 2005 - 2010
(iv) Senior Lecturer 2010 - 2014
(v) Reader 2014 – date

(b) Teaching Experience

(i) Undergraduate courses:

- CHE 157 - Physical Chemistry for 100 level students (with 5 others)
- CHE 195 - 100 level Practical Chemistry (with 8 others)
- CHE 357 - Introductory Quantum Chemistry, Statistical Thermodynamics/Electrochemistry (with 3 others)
- CHE 451- Advanced Chemical Kinetics (with 1 other)
- CHE 457- Quantum Mechanical Treatment of Chemical Bonding and kinetics
- CHE 481- Chemistry Seminar

(ii) Postgraduate courses: 2005 till date

- CHE 754 - Special Topics in Physical Chemistry

(iii) Supervision of projects: 2000 to date

- 26 undergraduate students
- 20 M.Sc graduates.
- 3 PhD graduates
- Currently: 6 PhD students.

(c) Administrative duties:

- Member Examinations Committee (2004)
- Member Departmental Registration Committee (2000-2017)
- Member Departmental Small Scale Industry Committee (2003)
- Liaison Officer for Student Chemical Society (2002)
- Departmental Store Officer (2012-2015)
- Member Faculty Board of Technology (2005-2007)
- Senate Member representing Congregation (2005 -2008)
- Senate Member representing Congregation (2011 –2017)
- Senate representative on Business Committee (2011 –2013)
- Assistant Warden - Kuti Hall (2012- 2015)
- Senate Representative on the Board of Osun State College of Technology, Esa-Oke (2014 –2016)
- Senate Representative on the Board of the University Library (2014 – 2017)
- Warden - Kuti Hall (2015- 2018)

IX Research:

(a) Completed:

- (i) Semi-empirical Quantum Mechanical Orbital Method using MOPAC: Calculation of the Arrhenius Parameters for the Pyrolysis of Some Alkyl acetates
- (ii) PM3 Study of the Effects of α -Methylation on the Gas-phase Kinetics of Thermal Decomposition of Ethyl Acetates.
- (iii) Study of Structural and electronic properties of 4-H- cyclopenta-[2,1-b,3;4-b#] dithiophene S-Oxide (BTO) with an S, S=O, O and SiH₂ and BH₂ bridge: semi-empirical and DFT Study.)
- (iv) Theoretical Study on the Structural and Electronic Properties of New Materials based on Benzothiadiazole and Pyrrole derivatives.
- (v) Study of Characterization of a novel polymeric Zinc (II) complex containing the anti-malarial Quinine as ligand: A Theoretical approach (Semi-empirical and DFT methods).
- (vi) Theoretical Investigation on the Structural and Electronic Properties of Conjugated Organophosphorus Compounds.
- (vii) Study of the Kinetics of some six centre pyrolytic elimination reaction and thermal rearrangements by the semi-empirical quantum mechanical molecular orbital methods.
- (viii) Molecular Docking Studies of Lonchocarpus Cyanescens Triterpenoids as Inhibitor for Malaria.

(b) In progress:

- (i) *The theoretical study of the effects of acid portion on the kinetics of the thermal decomposition of isopropyl acetate and isopropyl trimethylacetate* was started in 2016. So far, we have concluded data collection and we are presently on data analysis.
The application of this research will be used in reaction mechanism formulation.
- (ii) *Computational modeling of the kinetics of the multipath thermal decomposition of s-butyl acetate* was started in 2015. Result so far is showing that the pyrolysis of s-butyl acetate yields different products via different routes. We have been able to formulate a procedure to study this complex pyrolytic elimination reaction.

(c) Project, Dissertation and Thesis

- (i) **Adejoro, I. A.** (1988): Study of the pH dependence of the kinetics of the reaction of 5, 5'-dithiobis (2-nitrobenzoic acid) with sulphhydryl groups of dog hemoglobin. (*M.Sc Project, University of Ibadan*)

- (ii) **Adejoro, I. A.** (2005): Kinetics of some six centre pyrolytic elimination reaction and thermal rearrangements by the semi-empirical quantum mechanical molecular orbital methods. (*PhD Thesis, University of Ibadan*)

- X Publications:
- (a) Books Already Published: Nil
- (b) Chapters in Books Already Published: Nil
- (c) Articles that have Already Appeared in Refereed Conference Proceedings:

V Publications:

1. Adeniyi, A. A. and **Adejoro, I. A.** (2011): Increasing the rate of Novel Drug Discovery through Exploration of Natural Products Biodiversity and Combinatorial Chemistry. *Proceedings of the 34th International Conference of the Chemical Society of Nigeria, Ilorin.* 195-198pp.
2. **Adejoro, I. A.**, Akintemi, E. O., Ezekwe, C. C. and Adewole, F. S. (2015). Computational Study of the Gas-phase Substitution of Phenoxy in 2, 4-Dinitrodiphenylether with Dimethylamine. *2nd International Conference on Scientific Research and Innovation held by Faculty of Science, University of Ibadan, Nigeria.* 1-9pp.
3. Okonjo, K. O. and **Adejoro, I. A.** (1993). Hemoglobin with Multiple Reactive Sulphydryl Groups: The Reaction of Dog Hemoglobin with 5, 5'-dithiobis (2-nitrobenzoate), *Journal of Protein Chemistry* Vol.12, No 1: 33-37.
4. **Adejoro, I. A.** and Bamkole, T. O. (2005). Semi-empirical Quantum Mechanical Orbital Method using MOPAC: Calculation of the Arrhenius Parameters for the Pyrolysis of Some Alkyl acetates. *Journal of Applied Sciences* Vol.5, No 9, 1559-1563.
5. **Adejoro, I. A.** and Bamkole, T. O. (2009). Kinetics and Mechanism of Elimination of Ethyl Acetate in the Gas phase: a Theoretical Study, *African Journal of Pure and Applied Chemistry.* Vol. 3, No 8, 140-144.
6. Odiaka, T. I., **Adejoro, I. A.** and Akinyele, O. F. (2009). Synthesis and Characterization of New tricarbonyl (1, 4- η -Cyclohexa-1, 3-Diene)-N-anilino iron complexes. *Inorganic Chemistry: An Indian Journal* Vol. 4, No. 4, 172-175.
7. **Adejoro, I. A.** (2009). PM3 Study of the Effects of α -Methylation on the Gas-phase Kinetics of Thermal Decomposition of Ethyl Acetates. *Physical Chemistry: An Indian Journal* Vol. 4, No. 2, 82-87.
8. **Adejoro, I. A.** and Eke E. (2010). Theoretical Study of the Kinetics of the Pyrolytic Elimination Reaction of Ethyl Chloride. *E-Journal of Chemistry* Vol. 7, No 1, 271-274.

9. Odiaka, T. I., Akinyele, O. F. and **Adejoro, I. A.** (2011). Synthesis And Characterization of Pyridino (1, 4- η -Cyclohexa-1, 3-Diene) Derivatives of Iron Tricarbonyl Complexes. *E-Journal of Chemistry*, Vol. 8, No. 3, 960-965.
10. **Adejoro, I. A.** and Adeniyi, A. A. (2011). Chemistry of benzobispyrrole-derived squaraines. *International Journal of the Physical Sciences* Vol. 6, No.27, pp. 6246-6256
11. **Adejoro, I. A.**, Odiaka, T.I. and Akinyele, O.F. (2011). Semi-Empirical (PM3) Studies Of New Pyridino-1-4- η -2- Methoxycyclohexa-1, 3-Diene Iron Tricarbonyl Complexes. *Inorganic Chemistry, An Indian Journal* Vol. 6, No.1, 1-5.
12. Semire, B., Odunola, O. A. and **Adejoro, I. A.** (2011). Structural and electronic properties of 4-H- cyclopenta-[2,1-b,3;4-b#] dithiophene S-Oxide (BTO) with an S, S=O, O and SiH₂ and BH₂ bridge: semi-empirical and DFT Study. *Journal of Molecular Modeling*, Vol. 18, No. 6, 2755-2760.
13. Semire, B., **Adejoro, I. A.** and Odunola, O. A. (2011). Conformational Analysis and Electronic Properties of Fluoromethylfuran Oligomers: Semi-empirical and DFT Study. *Eclética Quimica*, Vol. 36, No.3, 26-30.
14. Odiaka, T. I., **Adejoro, I. A.** and Akinyele, O. F. (2012). Semi-empirical (PM3) studies of novel Aminopyridino-1- 4- η -cyclohexa-1, 3-diene iron tricarbonyl complexes. *American Journal of Science and Industrial Research*, Vol. 3, No.1, 1-13. (United States of America) (Contribution: 45%) (Currently volume 9 in 2018)
15. **Adejoro, I. A.**, Odiaka, T. I. and Akinyele, O. F. (2012). Molecular Modeling and Computational Studies of Dimethyl Pyridino-1,4- η -2-methoxycyclohexa-1,3-Diene Iron Tricarbonyl Complexes. *Asian Journal of Research in Chemistry* Vol. 5, No.1, 146-153.
16. **Adejoro, I. A.**, Ogunyemi, B. T., and Semire, B. (2012). Theoretical Study on the Structural and Electronic Properties of New Materials based on Benzothiadiazole and Pyrrole derivatives. *Der Pharma Chemica*, Vol.4, No.6, 2214-2221
17. **Adejoro, I. A.**, Oyenehin, O. E., Adeboye, O. O. and Obaleye, J. A. (2012). PM3 Semi-empirical Quantum Mechanical Calculations on a Novel Dichlobis (N-{4-[2-pyrimidinyl-kN-amino) sulfonyl] acetamide] copper (II) Containing a Metabolite N-acetyl sulfadiazine. *Journal of Computational Methods in Molecular Design*, Vol.2, No.4, 142-148
18. **Adejoro, I. A.**, Oyenehin, O. E., Adeboye, O. O. and Obaleye, J. A. (2013). Characterization of a novel polymeric Zinc (II) complex containing the anti-malarial Quinine as ligand: A Theoretical approach (Semi-empirical and DFT methods). *American Journal of Science and Industrial Research*, Vol. 4, No. 1, 111-122.

19. **Adejoro, I. A.**, Ibeji, C. U., and Aigbe, A. E. (2013). Theoretical Studies on Substituent effect on the Properties of Benzofused thieno [3, 2-b] Furan and its Isomeric Form. *Nature and Science*. Vol.11, No. 1, 74-82.
20. **Adejoro, I. A.**, and Adeboye, O. O. (2013). Quantum Mechanical Studies of the Kinetics, Mechanisms and Thermodynamics of the Gas-phase Thermal Decomposition of Ethyl Vinyl Ether. *Southern Brazilian Journal of Chemistry* Vol. 21, No 21, 41-60.
21. **Adejoro, I. A.**, Adeboye, O. O. and Esan, T. (2013). ab-initio and DFT Studies of the Kinetics, Mechanisms and Thermodynamics of the Gas-phase Pyrolysis of Ethyl Bromide. *African Journal of Pure and Applied Chemistry*. Vol. 7, No. 6, 231-241
22. **Adejoro, I. A.** and Ibeji, C. U. (2013). A Theoretical Study on the effect of Substituent properties of pyrrole and thiophene. *New York Science Journal*, Vol. 6, No. 7, 99-105.
23. **Adejoro, I. A.** and Ogunyemi, B. T. (2013). Theoretical Investigation on the Structural and Electronic Properties of Conjugated Organophosphorus Compounds. *Journal of Chemical and Pharmaceutical Research*, Vol. 5, No. 9, 27-33.
24. **Adejoro, I. A.**, T.I. Odiaka and Akinyele, O.F., (2013). Structure and Electronic Properties of Aminopyridino-1-4- η -2-Methoxycyclohexa-1,3-diene iron tricarbonyl Complexes - A Semi-Empirical PM3 Approach. *Asian Journal of Research in Chemistry*, Vol. 6, No 11, 1034-1039.
25. Adekunle, F. A. O., **Adejoro, I. A.**, Akinyele, O. F. and Odunola, O. A. (2013). Synthesis and Quantum Mechanical Studies of [2, 6-Diacetylpyridine bis-(benzoichydrazone)]. *International Journal of Research in Engineering and Applied Sciences*, Vol. 3, No. 6, 18-27
26. Adekunle, F. A. O., **Adejoro, I. A.** and Akinyele, O. F. and Odunola, O. A. (2013). Synthesis, Spectroscopy and Theoretical Studies of Alkyl and Aryl Substituted Acid Hydrazide. *International Journal of Basic and Applied Chemical Sciences* Vol. 3, No. 2, 10-22
27. **Adejoro, I. A.**, Odiaka, T. I. and Akinyele, O.F., (2014). Density Functional Theory and Reactivity Parameters of Dimethylpyridino-1-4- η -Cyclohexa-1, 3-diene iron tricarbonyl Complexes. *Journal of Natural Sciences Research*, vol. 4, No 1, 38-45.
28. **Adejoro, I. A.**, Adeboye, O.O., B. Akintoye, and Akinyele, O. F. (2014). Quantum Mechanical Characterization of Mixed-Ligand Complex of Co (II) Dimethylglyoxime. *Trends in Molecular Sciences*, Vol. 6 No. 1, 13-21
29. **Adejoro, I. A.**, Akintemi, E.O, Adeboye, O.O. and Ibeji, C.U. (2014). Quantum Mechanical studies of the Structure-Activity Relationship and Electronic Vibration of some Dietary Flavonoids. *Asian Journal of Applied Sciences*, Vol. 7 No. 3, 117-128.

30. **Adejoro, I. A.** and Ogunyemi, B. T. (2014). Pi-Conjugated Phosphole Derivatives: Promising Building Blocks for π -Conjugated Organic Materials. *Chemistry and Material Research*, Vol. 6, No. 5, 48-54.
31. **Adejoro, I. A.**, Ogede, R. O., Ibeji, C. U. and Adeboye, O. O. (2014). The Free Radical Bromination of Ethyl Pyridazines: Theoretical Studies. *Southern Brazilian Journal of Chemistry*, Vol. 22, No. 22, 53- 60.
32. **Adejoro, I. A.**, Ojo, F. K. and Obafemi, S. K. (2014). Corrosion Inhibition Potentials and Ampicillin for mild steel in hydrochloric acid solution. *ScienceDirect- Journal of Taibah University for Science*, Vol. 9, No.2, 196-202
33. Olalekan, T. E., **Adejoro, I. A.**, VanBrecht, B. and Watkins, G. M. (2015). Crystal structures, spectroscopic and theoretical study of novel Schiff bases of 2-(methylthiomethyl) amines. *Spectrochimica Acta Part A: Molecular and Biomolecular*, Vol. 139, 385-395
34. **Adejoro, I. A.**, Orodepo, G. O. and Ibeji, C. U. (2015). Theoretical Study on the Molecular Structure and Optoelectronic Properties of Benzoxazole-based Alternating Donor-Acceptor Conjugated Polymers. *Research and Reviews: Journal of Chemistry*, Vol. 4, No. 1, 1-10
35. **Adejoro, I. A.**, Akintoye, B., Adeboye, O. O. and Akinyele, O. F. (2015) Theoretical Study of the Characterization of Mixed-Ligand Complexes of Ni (II) Dimethylglyoxime. *Ife Journal of Science*, Vol. 17, No.3, 533-541.
36. **Adejoro, I. A.**, Oyeneyin, O. E. and Ogunyemi, B, T. (2015). Computational Investigation on Substituent and Solvent Effects on the Electronic, Geometric and Spectroscopic Properties of Azobenzene and some Substituent Derivatives. *International Journal of Computational and Theoretical Chemistry*, Vol. 3, No 6, 50 - 57.
37. Ibeji, C. U., **Adejoro I. A.** and Adeleke, B. B. (2015). A Benchmark Study on the Properties of Unsubstituted and Substituted Polypyrrole. *Journal of Physical Chemistry and Biophysics*, Vol. 5, No. 6, 1-11
38. Ibeji, C. U., Adegboye, T. S., **Adejoro, I. A.** and Adeleke, B. B. (2015). Computational investigation of some Isomeric forms of 3-Ethyl Pyrrole. *New York Science Journal*, Vol. 8 No. 12, 9-15.
39. Sobola, A. O., Watkins, G. M., VanBrecht, B. and **Adejoro, I. A.** (2016). Synthesis, Structure and Theoretical Studies of bis(pentacoordinated) μ -o-[CuL₂]₂: Predicting Distortion towards Trigonality. *Journal of Coordination Chemistry*, Vol. 69, No. 1, 81-89

40. **Adejoro I. A.**, Tolufashe, F. G. and Ibeji, C. U. (2016). Density Functional Theory (DFT) Study of a New 4-[(Z)-{Phenyldiazenyl}] - 2H- Chromen-2-one Dye for Its Use as Sensitiser in Molecular Photovoltaics. *Researcher*, Vol. 8, No. 3, 83- 89
41. **Adejoro I. A.**, Waheed, S. O. and Adeboye, O. O. (2016). Molecular Docking Studies of Lonchocarpus Cyanescens Triterpenoids as Inhibitor for Malaria. *Journal of Physical Chemistry and Biophysics*, Vol. 6, No. 2, 1-4
42. **Adejoro, I. A.** and Adeboye, O. O. (2016). Computational Studies on the α - and β -pathways for the Kinetics and Thermodynamics of the Gas-phase Pyrolysis of Allyl Formates. *Nature and Science*. Vol. 14, No. 4, 74 – 82.
43. **Adejoro, I. A.**, Ojo, F. K. and Akinyele, O. F. (2016). Theoretical Studies on the Efficiencies of some Triazolopyrimidine Derivatives on Corrosion Inhibitors of Mild Steel in Acidic Medium Using AM1 and DFT Approach. *International Research Journal of Pure and Applied Chemistry*, Vol. 12, No.4, 1-9
44. Akinyele, O. F., Odiaka, T. I. and **Adejoro, I. A.** (2016). Molecular Simulation of Tricarbonyl (1-4- η -5-exo-NX, X-dimethylpyridino-cyclohexa-1, 3-diene) Iron Complexes:- A Semi Empirical PM6 Approach *American Chemical Science Journal* Vol.16, No.4, 1-8
45. Ibeji C. U., Okpala E. O., **Adejoro, I. A.**, Onyia, K. K. (2016). Theoretical Investigation of New Organic Electroluminescent Materials Based on 4-Azaindole Groups and Oligopyrrole. *Journal of Applied Computational Mathematics* Vol. 5, No. 35, 1-4
46. **Adejoro, I. A.**, Onyia, K. K. and Akintemi, E.O. (2016). Theoretical Studies of the Effects of α -methylation and β -methylation on the Gas-phase Kinetics of Thermal Decomposition of Allyl formates. *Journal of Science Research*, Vol. 6, No. 21, 16-21
47. **Adejoro, I. A.**, Akintayo, D. C. and Ibeji, C. U. (2016). The efficiency of Chloroquine as Corrosion Inhibitor for Aluminium in 1M HCl Solution: Experimental and DFT Study. *Jordan Journal of Chemistry*, Vol. 11 No. 1, 38-49
48. **Adejoro, I. A.**, Ojo, F. K. and Lori, J. A. (2016). Theoretical Study of the Efficiency of Some NitroBenzenamine Derivatives in Acidic Medium to Serve as Excellent Organic Corrosion Inhibitors of Mild Steel. *International Research Journal of Pure & Applied Chemistry* Vol. 10, No. 1, 1-10.
49. Ibeji, C. U, Tolufashe, G. F. and **Adejoro, I. A.** (2017). Synthesis, solvent effects and computational study of new 4-methyl-5, 5-diphenyl-2(5H)-furanone. *Journal of Research in Science* Vol. 3, 31-36.
50. **Adejoro, I. A.**, Esan, T. O., Adeboye, O. O. And Adeleke, B. B. (2016). Quantum mechanical studies of the kinetics, mechanisms and thermodynamics of gas-phase

- thermal decomposition of ethyl dithiocarbonate (Xanthate) *ScienceDirect-Journal of Taibah University of Science*, Vol. 11, 700-709
51. **Adejoro, I. A.**, Waheed, S.O., Adeboye, O. O. and Akhigbe, F.U. (2017). Molecular Docking of the Inhibitory Activities of Triterpenoids of *Lonchocarpus cyanecens* against Ulcer. *Journal of Biophysical Chemistry*, Vol. 8, 1-11.
 52. Ibeji, C. U., **Adejoro, I. A.**, Fayoyiwa, A. D., Ochonogor, A. E., and Onoabedje, E. A. (2017). Theoretical study on the molecular structure of Quinoline and its derivatives as an anti- malaria drug *International Journal of Pharmaceutical Research & Allied Sciences*. Vol. 6 No.1, 52 -74
 53. **Adejoro, I. A.**, Ibeji, C. U. and Akintayo, D. C. (2017). Quantum Descriptors and Corrosion Inhibition Potentials of Amodaquine and Nivaquine. *Chemical Sciences Journal*. Vol. 8, No. 1, 1-6
 54. **Adejoro, I. A.**, Orodepo, O. G., Adeboye, O. O. and Akhigbe, U. F. (2017). Theoretical Study of the Properties of Isatin (1H-indole-2, 3-Dione) Based Alternating Donor-acceptor Type conjugated Oligomers. *Physical Science International Journal*, Vol. 15, No. 4, 1-6.
 55. Esan, O. T., **Adejoro, I. A.**, Ogunyemi, B. T. and Oyeneyin, O. E. (2017). Quantum Mechanical Study on the Kinetics and Thermodynamics of O-Alkyl S-Methyl Dithiocarbonates through α - and β - Elimination Pathways. *Leonardo Journal of Sciences Volume 6, Issue 31, 1-20*
 56. Latona, D. F. and **Adejoro, I. A.** (2018). Kinetics of Acidic Mn (VII) Oxidation of Acetaldehyde in Aqueous and 5% Ethanol-Water Solvent. *American Journal of Chemical Research, Volume 2, No. 6, 1-8*
 57. Ojo, F. K., **Adejoro, I. A.**, Akpomie, K.G., Ogunyemi, B. T. and Oyeka, E.E. (2018). Effect of iodide ions on the inhibitive performance of o-, m-, p-Nitroaniline on Mild Steel in Hydrochloric Acid Solution. *Journal of Applied Science and Environmental Management, Volume 22, No. 5, 775-782*
 58. Oyeneyin, O. E., **Adejoro, I. A.**, Ogunyemi, B. T and Esan, T. O. (2018). Structural and Solvent Dependence on the Molecular and Nonlinear Optical Properties of 10-Octyl Thiophene-based Phenothiazine and Substituted Derivatives-A Theoretical Approach. *Journal of Taibah University of Science (Taylor and Francis) Volume 12, No.4, 483-493*.
 59. Oyebamiji, A. K., Oyedeji, F. O., **Adejoro, I. A.** and Adeleke, B. B. (2018). Anti-fungal Activities of 2, 4-Dinitrophenyl Hydrazones Derivatives: Dft and Docking Approaches, *Academic Arena, Volume 10, No. 6: 12-16*

60. Oyeneyin, O. E., **Adejoro, I. A.** and Esan, T. O. (2018). Substituent Effects on the Structural and Non-linear Optical Properties of 1-{4-((E)[4-(methylsulfanyl)phenyl]methylidene)amino}phenyl]ethanoate and some of its substituted derivatives- a Theoretical Method. *Physical Chemistry Research, Volume 6, No. 3, 667-683*
61. LT Ogundele, **Adejoro, I. A.**, PO Ayeku (2019). Health risk assessment of heavy metals in soil samples from an abandoned industrial waste dumpsite in Ibadan, Nigeria *Environmental monitoring and Assessment 191 (5), 1-10*
62. BT Ogunyemi, DF Latona, **Adejoro, I. A.** Molecular modeling and quantitative structure–property relationships (QSPRs) of purine derivatives as corrosion inhibitor in acid medium *Scientific African 8, e00336*
63. LT Ogundele, PO Ayeku, AS Adebayo, AP Olufemi, **Adejoro, I. A.** (2020) Pollution Indices and Potential Ecological Risks of Heavy Metals in the Soil: A Case Study of Municipal Wastes Site in Ondo State, Southwestern, Nigeria *Polytechnica, 1-9*
64. BT Ogunyemi, DF Latona, AA Ayinde, **Adejoro, I. A.** (2020). Theoretical Investigation to Corrosion Inhibition Efficiency of Some Chloroquine Derivatives Using Density Functional Theory. *Advanced Journal of Chemistry-Section A 3 (4), 485-492*
65. BT Ogunyemi, OE Oyeneyin, OT Esan, **Adejoro, I. A.** (2020). Computational modelling and characterisation of phosphole adopted in triphenyl amine photosensitisers for solar cell applications. *Results in Chemistry 2, 100069*
66. OO Adeboye, **Adejoro, I. A.**, AM Olatunde (2020). Computational Modelling of the Kinetics and Thermodynamics of Diels-Alder reaction: 1, 3-cyclohexadiene and substituted ethene. *Leonardo Electronic Journal of Practices and Technologies 33, 207-21867.*
67. **Adejoro, I. A.**, Babatunde, D. D. and Tolufashe, G. F. (2020), Molecular docking and dynamic simulations of some medicinal plants compounds against SARS-CoV-2: an insilico study. *Journal of Taibah University for science, volume 14, issue 1, 1563-1570*
68. OE Oyeneyin, **Adejoro, I. A.**, BS Obadawo, JS Amoko, IO Kayode (2021). Investigation into the Molecular Properties of 3-(4-Hydroxyphenyl) Prop-2-en-1-one 4-Phenyl Schiff Base and Some of Its Derivatives-DFT and Molecular Docking Studies *Science Letters 9 (1), 4-11*

(f) Books, Chapters in Books and Articles already accepted for publication:

(g) Technical Reports and Monographs:

Nil

*Publications that have appeared/ been accepted since last promotion.

XI Major Conferences Attended with Papers Read (in the last 5 years)

1. *2nd International Conference on Scientific Research and Innovation held by Faculty of Science, University of Ibadan, Nigeria*
Adejoro, I. A., Akintemi, E. O., Ezekwe, C. C. and Adewole, F. S. (2015). Computational Study of the Gas-phase Substitution of Phenoxy in 2, 4-Dinitrodiphenylether with Dimethylamine.
2. *AFRE International Conference on Communication Engineering, Data Mining, Information Technology & Applied Science (CDITA), held at Ibis Styles Accra Airport Hotel, Ghana on July 25-26, 2018,*
Adejoro, I. A. and Sulaimon, R. (2018). Molecular Docking of the Inhibitory Activity of Chromone Rhamnoside of Mimosa Pigra Linn., and its Methoxyl Derivative Against Tuberculosis

Sign: -----

Date: -----