

Curriculum Vitae

Professor Saliu A. AMOLEGBE

Ph.D. (2010), M.Sc. (2004) B.Sc. (2001)

Department of Pure and Applied Chemistry (PAC)

&

Head, Quality Assurance Unit, Directorate of
Academic Planning, FUNAAB

+2348036717659

+2347086717659 (WhatsApp)

e-mail: amolegbesa@funaab.edu.ng

amolegbesaliu5@gmail.com



01) Academic Profile

Discipline: Inorganic Chemistry and Material Science

Research Interests / Expertise:

Nanosilica Drug delivery systems against infectious diseases & Soft materials

Honours & Awards:

- i. *Co-Research member* **2018** in Prof Akinyemi, A.D. Fiscal Year (FY) National Research Fund (NRF) -Nigeria Tertiary Fund (TETfund) Grant Award Winner
- ii. Japan Society for Promotion of Science (**JSPS**) Post-Doctoral Fellow 11. 2013 – 11. 2015
- iii. Matsumae International Foundation (**MIF**), Postgraduate Japan Research Fellow 3. 2013
- iv. **TWAS-CAS** Postgrad Fellow at Institute of chemistry Beijing 3. 2006 – 2. 2007
- v. A.G Leventis Scholarship Award 1. 2003

(02) *Professional Experience*

Professor, (*Teaching, Research and Supervise on Inorganic Chemistry Subject*),

Department of Pure and Applied Chemistry, Federal University of Agriculture (FUNAAB) Nigeria.

dated 10. 2021.

Head, Quality Control and Assurance Unit, Directorate of Academic Planning:

3.2025 till date

External Examiner, UNILAG-DL, TASFUED, SACST etc

JSPS Postdoctoral fellowship,

Kumamoto University, Japan: 2013-2015

Coordinator, SIWES Chemistry Department

Assistant Coordinator, Part Time Degree Programme, FUNAAB.

TWAS Postgraduate Scholarship, Exchange Programme at Institute of Chemistry, Chinese Academy of Science Beijing China 3. 2006- 2. 2007.

Lecturer III, at School of Science and Technology Moshood Abiola Polytechnic, Nigeria
2005

Scientific Officer, Ministry of Health, Ogun State, Nigeria 10. 2005.

(03) Detailed Research Interests: Bioinorganic & Soft materials

(a) Bioengineering and Nanotechnology with emphasizes on:

i. Silica nanoparticle based drug delivery systems

Mesoporous silica as nano-carriers for an Antimalarial Drug

ii Biocoordination Chemistry

Synthesis of highly active, safe and useful chemotherapeutic metal based antimalarial

Toxicological studies and in vivo evaluation of some metal complexes of artesunate against *plasmodium berghei*(NK65) in animal model.

Synthesis, characterization and antimicrobial studies of some late transition metal complexes bearing (N[^]O) protected ligands.

iii Metalloagricultural

The in put of essential metal ion in the soil for plant organic-inorganic fertilizers

(b) Inorganic soft material

Metal complexes hybrids:

Spin crossover in memory device

Olefin polymerization catalysts

(04) Membership of learned Societies / Professional Associations:

- 1 Chemical Society of Nigeria (CSN)
- 2 Professional Member, Institute of Chartered Chemists of Nigeria (ICCON)
- 3 Member, American Chemical Society (ACS)- Membership No: **2405516**

4 Member, Society for Biomaterials and Artificial Organs (SBIO)

5 Nigerian Society for Experimental Biology (NISEB)

(05) Scholarship, Awards and Prizes:

2016 TETfund Award for International Conference Attendance

used for the 6th Asian Biomaterial in India (October 25-27, 2017).

<i>Visiting Guest Scholar Honour in Kumamoto University, Japan</i>	2013
<i>Recognition by Nigeria Supreme Council on Islamic Affairs (NSCIA) as Expert: On Halaal food products assessment in some food Companies in Nigeria</i>	2011
<i>Scholarship: EMERALD/ALCS African Engineering Research Fund Award for more effective and inexpensive Water Treatment Technology</i>	2011
<i>Award: Best Postgraduate student of Chemistry Department University of Ilorin, Nigeria</i>	2004
<i>Award: Egba A.G Leventis Scholarship Award</i>	2003
<i>Prize: Baptist Boys' High School (B.B.H.S), Oke Saje, Abeokuta Best Student Scholarship</i>	1999

(06) Working Experience:

a) *University Teaching Experience*

Designation: Professor

Area of specialization: Inorganic Chemistry

**(i) Teaching Experience at Federal University of Agriculture (FUNAAB)-
Undergraduate and postgraduate courses at various levels**

Courses taught at Undergraduate level:	CHM 104: Introductory Inorganic Chemistry CHM 211: Basic Inorganic Chemistry I CHM 212: Basic Inorganic Chemistry II CHM 234: Inorganic Chemicals CHM 293: Experimental Inorganic Chemistry I CHM 395: Experimental Inorganic Chemistry II CHM 311: Inorganic Chemistry III CHM 411: Coordination Chemistry CHM 412: The Chemistry of Lanthanides and Actinides CHM 433: Radionuclear Chemistry
Courses taught at Postgraduate level:	CHM 835: Special Topics In Inorganic and Organometallic Chemistry CHM 832: Recent Advances in Coordination Chemistry CHM 836: Bioinorganic Chemistry

Student Supervision at Undergraduate and Postgraduate levels: More than 100

7. *Research*

- (a) *Research in progress:* Development of new Chemosorptive rosin acid crown gated nanosilica adsorbent for organic (PAS) pollutants removal in Industrial waste water

Chemosorptivity Perfomance of Hollo-nanosilica MCM-41 adsorbent for dye removal in Industrial waste water

Synthesis, Characterization and chemosorption activity of bamboo sourced silica nanoparticle for heavy metal ions removal in Cement factory Polluted water

- (b) *Research completed but not yet published*

New frontier dextran triggered intelligent (**sensor**) mesoporous nanosilica encapsulated drug delivery systems for malaria therapy and other infectious diseases in Nigeria

8. *University Extension Services.*

9. *Other activities within the University:*

10. *Extra Curricular Activities:* Playing table tennis

11. ***Publication:***

a) *Dissertation:*

1. Transition metal Complexes of Artemisinin derivatives and Chromium(III) Tridentate Imino-pyridine Substituted Schiff base ($N^{\wedge}N^{\wedge}N$) – Ethylene Polymerization Reaction **Ph.D Thesis**, department of chemistry, University of Ilorin, Ilorin, UNILORIN, (2010)
2. Synthesis, Characterization and Toxicological Studies of Metal complexes of Sulphadoxine, Pyremethamine and Mefloquine. **M.Sc. Dissertation**, Department of Chemistry, University of Ilorin, Ilorin, UNILORIN, (2004).

3. Bench Scale Treatment of Raw Water: A case Study of Alakata Stream off Alabata Road.
B.Sc. Dissertation, Department of Chemistry, University of Agriculture, UNAAB (2000).

b) Books/Monographs and Chapters in books: NIL

c) Articles in Learned journals

(i) Journals Articles in Print:

1. S. O. Odulajaa, ***S. A. Amolegbe**, M. A. Olusola (2026): Synthesis, structural elucidation, in vitro antibacterial activity of mononuclear Ag(I) complex derived from (E)-N-(4-fluorophenyl)-1-(pyridin-2-yl) methanimine and triphenylphosphine ancillary ligand, **Tanz. J. Sci.** 52(2) 2025
2. A.K Moshood and S.A. Amolegbe (2025): Synthesis and Characterization of hybrid nano Fe-NPK Fertilizer for enhanced nutrient uptake in plants, accepted in **Coast Journal of the School of Science OAUSTECH**
3. M. A. Olusola, O. Ejeromedoghene, B. Kpomah, T. M. Obuotor, R. N. Ugbaja, E. D. Olatunji, J. A. Aremu, M. A. Idowu, S. Adewuyi, S. A Amolegbe and C. A. Akinremi (2025): Antibacterial evaluation and molecular docking studies of azole modified curcumin metal complexes with toxicological and in silico analysis, **Discover Chemistry**, 2 : 182
4. A.O. Sobola, O.R. Shaibu, O.S. Aina, D. A. Ante, A. A. Adejare, O. Felicia Orungbamila, B. P. Ajuebor, O. B. Raji, O.O. Onifade, **S.A. Amolegbe**, (2025): Aminoantipyrine-derived Schiff Bases containing Thiophenyl, Furanyl / Isatin nucleus: Antioxidant Study, DFT and Molecular Docking Profile, **Dutse Journal of Pure and Applied Sciences (DUJOPAS)**, 11 (1a): 283-298
5. Oladipo, O,P. Jinadu, L.A., Oladoyinbo, F.O.,Sobola, A.O., Lawal,A., Obaleye, J. A., Ademowo, O.G., Balogun, E. A., & **Amolegbe, S.A. (2024)**. Synthesis and bio performance of encapsulated antimalarial co-artemeter in mesoporous nanosilica vesicle, Accepted in **Nigerian Journal of Natural Products and Medicine**
6. Oladipupo, F.A., Elebiju, D., Akinwunmi, F., Ejeromedoghene, O.,Adekunle, Y.A. , Alayande, S. O., **Amolegbe, S. A.**, Olayide, A.R., Diaz, ,D.D., Olugbenga, D. (2023) **Colloids and Surfaces A: Physicochemical and Engineering Aspects**, 686, 133224

7. Erubami, A. A., Moyib, O. K., Banjoko, O. O., Akinsipo, B. O., & **Amolegbe, S. A. (2023).** Synthesis and characterization of a nano copper based-urea-hydroxyapatite-potassium (Cu-NPKnp) composite: Towards a multifunctional Cu-NPKnp for improved crop nutrient and green environment, Part 1. **Nigerian Research Journal of Chemical Sciences (NRJCS)**, 11(2), 309-325. A Publication of University of Nigeria, Nsukka, Nigeria.

8. Yakubu Adekunle Alli, Onome Ejeromedoghene. Abiodun Oladipo, Sheriff Adewuyi, **Saliu Alao Amolegbe**, Hazleen Anuar, Sabu Thomas (2022), Compressed Hydrogen-Induced Synthesis of Quaternary Trimethyl Chitosan-Silver Nanoparticles with Dual Antibacterial and Antifungal Activities, **ACS Applied Bio Materials** DOI: 10.1021/acsabm.2c00670

9. Hirayama, H. **Amolegbe, S.A.** Islam, Rahman, M.A., Goto, N. Seine, Y., Hayami, S. (2021): Encapsulation and controlled release of an antimalarial drug using surface functionalized mesoporous silica nanocarriers **J. Mater. Chem. B**, 9, 5043-5046. <https://doi.org/10.1039/D1TB00954K>

10. **Amolegbe, S. A.**, Kareem, K.T., Akinremi, C.A., Nafiu, MO., Akinloye, O.A.,^d
11. (2021): A focus on biometal systems of some phyto-antibiotic drug complexes **Nigerian Journal of Natural Products and Medicine**

12. **Amolegbe, S. A. (2019):** Metal complexes of (E)-(N) (pyridine-2-yl) methylene)pyridine-2-amine and their biological activity, **J. Chem Soc. Nigeria**, 44(4), 726-736. Published by Chemical Society of Nigeria. Available online at: <http://journals.chemsociety.org.ng/index.php/jcsn/article/view/115>

13. Lawal, A, Ayanwale, P.A; **Amolegbe, S.A**&Yunus- Issa, M.T: Preparation, Characterization and Biological Studies of Metal Complexes of Mixed Ligands of Nicotinamide and Metronidazole. **Nigerian Journal of Biochemistry and Molecular Biology**, Published by Nigerian Society of Biochemistry and Molecular Biology. (Acceptance dated March 25, 2017)

14. Ejeromedoghene, O., Adewuyi, S., **Amolegbe, S.A.**, Akinremi, C.A., Moronkola, B.A.,&Salaudeen, T.(2018): Electrovalent chitosan functionalized methyl-orange/metal nanocomposites as chemosensors for toxic aqueous anions,**Nano- Structure & Nano- Objects** 16; 174-179, Published by Elsevier. Available online at<https://doi.org/10.1016/j.nanoso.2018.06.00>

15. Akinremi, C.A., Omosun, N. N., Adewuyi, S., **Amolegbe, S.A.** and Atayese, A.O. (2018): Antifungal activities of Zerovalent Cobalt and Nickel nanocomposites Integrated with Crosslinked Chitosan-Humic acid against some *Candida species*, *J. Chem Soc. Nigeria*, 43(1), 158-164. Published by Chemical Society of Nigeria. Available online at: <http://journals.chemsociety.org.ng/index.php/jcsn/article/view/115>

16. **Amolegbe, S.A.**, Adewuyi, S., Akinremi, C.A., Oladoyinbo, F.O., Lawal, A., Sobola, A.O., Obaleye, J.O. & Hayami, S. (2018): Spin-crossover 3D architectures of Fe (II) complex bearing triazole ligand, *J. Chem Soc. Nigeria*, 43(1), 1-6. Published by Chemical Society of Nigeria. Available online at: <http://journals.chemsociety.org.ng/index.php/jcsn/article/view/115>

17. **Amolegbe, S.A.**, Hirano, Y., Adebayo, J.O., Ademowo, O. G., Balogun, E.A., Obaleye, J. A., Krettli, A., Yu, C. & Hayami, S. (2018): Mesoporous silica nanocarriers encapsulated antimalarials with high therapeutic performance, *Scientific reports*. 8, 3078, Published by Nature Publishing Group. Available online at doi:10.1038/s41598-018-21351-8

18. Lawal, A. Olowude, S., Bamigboye, M.O., Sa'ad, H.O., Nnabuike, G.G., Yunus-Issa, M.T & **Amolegbe, S.A.** (2017): Synthesis, Characterization and Biological activity of metal complexes of mixed Citric acid and Amodiaquine. **Bayero J. Pure and Applied Sciences**, 10(2): 88-92. Published by Faculty of Science, Bayero, University Kano. Nigeria. Available online at <http://dx.doi.org/10.4314/bajopas.v8i1.24>

19. Akiyoshi, R., Kuroiwa, K., **Amolegbe, S.A.**, Nakaya, M., Ohtani, R., Nakamura, M., Lindoy, L.F., Hayami, & Hayami, S. (2017) Supramolecular Architectures Self-Assembled Using Long Chain Alkylated Spin Crossover Cobalt(II) Compounds, *Chem Commun.*, 53, 4685-4687 Published by Royal Society of Chemistry, UK doi: 10.1039/c7cc01501a

20. **Amolegbe, S. A.**, Akinremi, C.A., Adewuyi, S., Lawal, A., Bamigboye, M.O., & Obaleye, J.O. (2017): Some non toxic metal based drugs for selected prevalent tropical pathogenic diseases, *J. Biol Inorg Chem.*, 22, 1-18, Published by Springer, Available online at doi:10.1007/s00775-016-1421-4

21. Lawal, A., Shodeinde A. S, **Amolegbe, S.A.**, Elaigwui, E.A., & Yunus-Issa, M.T. (2017): Synthesis, Characterization and Antimicrobial Activities of Mixed Transition metal Complexes of Salicylic acid with 1,10-phenanthroline, *Journal of Applied Sciences and Environmental Management*. 21(3); 568-573, Published by World Bank Assisted National

Agriculture Research Projects (NAARP), Faculty of Science, University of Port-Harcourt, Nigeria. Available online at <http://www.bioline.org.br/ja>

22. Adewuyi, S., Bisiriyu, I.O., Akinremi, C. A., & Amolegbe, S.A. (2017) Synthesis, Spectroscopic, Surface and Catalytic Reactivity of Chitosan Supported Co(II) and Its Zerovalent cobalt Nanobiocomposite **J Inorg Organomet Polym., and Material**, 27; 114-121 Published by Springer, USA, Available online at doi: 10.1007/s10904-016-0452-1
23. *Lawal, A., Amolegbe, S. A., Rajee A.O. Babamale H.F & Yunus-Issa, M. T. (2015) Synthesis, Characterization and Antimicrobial activities of some Mixed Ascorbic acid –Nicotinamide Metal Complexes. **Bayero J. Pure and Applied Sciences**, June 2015, 8 (1) 139- 142, Published by Faculty of Science, Bayero University Kano. Nigeria. Available online at <http://dx.doi.org/10.4314/bajopas.v8i1.24>
24. Amolegbe, S.A, Ohmagari, H. Wakata, K. Takehira, H. Ohtani, R. Nakamura, M, Yu, C. Hayami, S. (2016): Synthesis of mesoporous materials as nano-carriers for an antimalarial drug. **J. Mater. Chem. B**, 4, 1040-1043. Published by Royal Society of Chemistry, UK Available on line at. <http://pubs.rsc.org/en/content/articlelanding/2016/tb/c5tb02200b#!divAbstract>
25. Amolegbe, S. A., Adewuyi, S., Akinremi, C.A., Adediji, J. F., Lawal, A. & Atayese, A. O. (2014): Iron (III) and copper (II) complexes bearing 8-quinolinol with amino-acids mixed ligands: Synthesis, characterization and antibacterial investigation. **Arabian Journal of Chemistry**, 8, 742-747, Published by Elsevier.
26. Hayami, S., Nakaya, M., Ohmagari, H., Amolegbe, S. A., Nakamura, M. Ohtani, R. Yamaguchi, R., Kuroda-Sowa, T. Clegg, J.K. (2015) Spin-crossover behaviours in solvated cobalt(II) compounds. **Dalton Trans.** 44, 9345-9348, Published by Royal Society of Chemistry Publishing platform, UK. Available on line at <http://pubs.rsc.org/en/content/articlepdf/2015/dt/c4dt03743j>
27. Shimayama, K., Karim, M.R., Amolegbe, S. A., Nakaya, M., Nakamura, M., Ohtani, R, Lndoy, L.F. & Hayami, S. (2015): Photoswitching of the dielectric property of salicylideneaniline. **Journal of Inclusion Phenomena and Macrocyclic Chemistry**. 82; 219-223, doi: 10.1007/s10847-015-0524-9. Published by Springer, Springer Netherlands, Available on line at <http://link.springer.com/article/10.1007%2Fs10847-015-0524-9#page-1>
28. Lawal, A., Obaleye, J.A., Adediji, J.F., Amolegbe, S.A., Bamigboye, M. O., Yunus-Issa, M.T., (2014) Synthesis, Characterization and Antimicrobial Activities of Some

Nicotinamide-metal Complexes, *J. Appl. Sci. Environ. Manage.* 18(2), 205-208, Available on line at <http://www.bioline.org.br/pdf?ja14028>

29. Nakaya, M., Shimayama, K., Takami, K., Hirata, K., **Amolegbe, S.A**, Nakamura M., Lindoy, L.F., Hayami, S. (2014) Spin-crossover and LIESST Effect for Iron(III) Complex Based on π - π stacking by Coordination Programme. *Chem. Lett.* 43, 1058-1060, doi: 10.1246/ cl.140255. Published by The Chemical Society of Japan. Available on line at https://www.jstage.jst.go.jp/article/cl/43/7/43_140255/_article
30. Nakaya, M., Shimayama, K., Takami, K., Hirata, K., **Amolegbe, S. A.**, Nakamura, M., Lindoy, L.F, Hayami, S. (2014) Structures and magnetic Properties of Iron (III) Complexes with Long Alkyl Chains. *Crystals* 4(2), 104-112, doi: 10.3390/cryst4020104. Available on line at <http://www.mdpi.com/2073-4352/4/2/104>
31. Togo, T., **Amolegbe, S.A.**, Yamaguchi, R., Kuroda-Sowa, T., Nakaya, M., Shimayama, K., Nakamura, M., Hayami, S. (2013) Crystal Structure and Spin- crossover Behaviour of Iron (III) Complex with Nitroprusside. *Chem. Lett.* 42, 1542-1544. Published by The Chemical Society of Japan. Available on line at https://www.jstage.jst.go.jp/article/cl/42/12/42_130759/_article
32. Akintokun, A.K., Adeyemo, O.J., Balogun, S.A., Dare, E.O., **Amolegbe, S.A.**, Bamgbola, A.A., (2013) Biodegradation Potential of Fungi Isolated from Soil on Fossil Diesel and Biodiesel. *Ife J. Sci.* 15, 543.
33. Akinremi, C.A., Oyelude, V.B., Adewuyi, S., **Amolegbe, S.A.**, Arowolo. T. (2013) Reduction of Bromate in Water using Zerovalent Cobalt 2,6-Pyridine Dicarboxylic Acid Crosslinked Chitosan Nanocomposite. *Journal of Macromolecular Science, Part A: Pure and Applied Chemistry*, 50, 435-440. Published by Taylor Francis Available online at <http://www.tandfonline.com/doi/abs/10.1080/10601325.2013.768438>
34. S. Adewuyi , **S. A Amolegbe**, C.A. Akinremi, A. Sobola (2013) An Improved Synthesis of Ethyl 6-(Benzimidazol-2-yl) pyridine-2-carboxylate and Application of its Nickel Complex towards Ethylene Catalytic Behavior. *Journal of Natural Science, Engineering and Technology; formerly Asset Journal* Series B. Federal University of Agriculture, Abeokuta.
35. J.F. Adediji, **S.A. Amolegbe**, S. Adewuyi, C.A. Akinremi, Y.C. Oyeniran, B.O. Afolayan, (2013) Ligation of Fe(III) and Mn (II) Complexes by Bithiourea and Their Biological Activity. ISRN *Inorganic Chemistry Hindawi*, 1-7, Available online at <http://www.hindawi.com/journals/isrn/doi.org/10.1155/2013/329508>.

36. J.F. Adediji, **S. A. Amolegbe**, S. Adewuyi, C.A. Akinremi, Y.C. Oyeniran, (2013) Synthesis, in Vivo Evaluation of Antimalarial and Toxicological Screening of Mefloquine Metal Complexes. **Pacific Journal of Science and Technology**. 14(1), 259-268, Published by Akamai University, Hilo, Hawali, USA, Available online at <http://www.akamaiuniversity.us/PJST.html>.
37. Lawal A., Obaleye J. Ayoola, Tella A. Clement, Johnson F. Adediji and **Amolegbe, S.A.** (2012) Synthesis and Characterisation of Mixed Zinc (II) Complexes of Ascorbic Acid and Thiamine Hydrochloride Science Focus, 17(2), 2174-221, Published by **Faculty of Pure and Applied Sciences- An international Journal of Biological and Physical Sciences**, LAUTEC, ISSN 1596-7026.
38. Adediji, J.F., Obaleye, J.A., Akinremi, C.A., **Amolegbe, S. A.**, Lawal A., (2012) Synthesis, effect on alkaline phosphate and antimicrobial activity of Fe(III) complex of 2,5-diamino-1,3,4-thiadizole. **Journal of Chemical and Pharmaceutical Research**, (2012), 4(8), 4073-4078, Published by Pelagia Research Library. Available online at <http://connection.ebscohost.com/c/articles/88271760/>
39. **Amolegbe, S. A.**, Adewuyi, S., Akinremi, C.A., Lawal, A., Obaleye, J.A., Atayese, A.O. (2012) Mn(II), Ni(II) & Cu(II) Complexes Of Artmisnin Derivatives. Synthesis, Characterization and Antimicrobial Activities. **Pacific Journal of Science and Technology**. 13(1), 424-429. Published by Akamai University, Hilo, Hawali, USA, Available online at <http://www.akamaiuniversity.us/PJST.html>.
40. Sheriff Adewuyi, Nurudeen O. Sanyaolu, **Saliu. A. Amolegbe**, Abdulahi O. Sobola, Olujinmi M. Folarin, (2012) Poly [β -(1 $\rightarrow$ 4)-2-amino-2-deoxy-D-glucopyranose] based Zero Valent Nickel Nanocomposite for Efficient Reduction of Nitrate in water. **Journal of Environmental Science**, 24(9), 1702-1708. Published by Science direct, Elsevier, Available online at www.elsevier.com/locate/ijbiomac.
41. Akinremi, C.A., Obaleye J.A., **Amolegbe, S.A.**, Adediji J.F., Bamigboye M.O. (2012) Biological Activities of Some Fluoroquinolones-Metal Complexes. **Int J Med Biomed Res**. 1(1):24-34. Published by Michael Joanna Publications, University of Lagos, Available online at <http://www.ijmbr.com/publishd.php>.
42. Adediji, J. F, **Amolegbe, S. A.**, Lawal A., (2012): Zn(II) complex with N- and S- donor ligand: Synthesis and biological studies. **Journal of Chemical and Pharmaceutical Research**, (2012) 4(3),1511-1518, Published by Pelagia Research Library, Available online at <http://jocpr.com/vol4-iss3-2012/JCPR-2012-4-3-1501-1504.pdf>

43. S. Adewuyi, N. Sanyaolu, H. Ayedun, **S. A. Amolegbe, (2011):** Synthesis of poly [β -(1₄)-2-amino-2-deoxy-Dglucopyranose] / leadnanocomposite, **Scientific Research and Essays**, Vol. 6 (1): 157-161, ISSN-992-2248© 2011, Academic Journals, Available on line at [http:// www.academic journals.org/SRE](http://www.academicjournals.org/SRE)
44. S. Adewuyi, K.T. Kareem, A.O. Atayese, **S.A. Amolegbe, C.A. Akinremi (2011)** Chitosan–Cobalt (II) and Nickel (II) Chelates as Antibacterial Agents, **International Journal of Biological Macromolecules**. 48:301-303, Published by Elsevier. Available online at www.elsevier.com/locate/ijbiomac.
45. Joshua Ayoola Obaleye, **Saliu Alao Amolegbe**, Sheriff Adewuyi, Wen-Hua Sun, Margaret D. Oshodi **(2010)** Some transition metal complexes bearing artemisinin derivatives and (N^NN) tridentate chromium (III) complexes ligated by 2-benzimidazole-6-acetylpyridines for catalytic behaviour towards ethylene, **J. Chem. & Chem Eng.**, 4 (12), 23-32, Published by David Publishing Company, Chicago, IL., USA, Available on line at <http://www.davidpublishing.com>
46. Lawal, A., Obaleye, J.A., Oyeleke, S.A., **Amolegbe, S.A (2008)** Synthesis and Antibacterial Studies of Mixed-Metronidazole-Vitamin C Metal Complexes, **Centrepont (Science Edition)** 121, 56-60 Published by the Library and Publications Committee, University of Ilorin, Nigeria.
47. Taiwo, A. A. Oluwadare, I., Shobo, A.O., **Amolegbe, S.A. (2008)** Extraction and potential application of caustic potash from kolanut, husk, ugu pod husk and plantain peels, **Scientific Research and Essay**, 3,10:515-517, ISSN-992-2248 Academic Journals, Available on line at [http:// www.academic journals.org/SRE](http://www.academicjournals.org/SRE)
48. **Saliu A. Amolegbe**, Maliha Asma, Min Zhang, Gang Li, Wen-Hua Sun **(2008)** Synthesis, Characterization, and Ethylene Oligomerization and 61, 397-Polymerization by 2-quinoxaliny-6-iminopyridine Chromium Chlorides **Aust. J. Chem.** 61, 397-403. Published by CSIRO publishing house, Australia, Available on line at www.publish.csiro.au/journals/ajc.

d). Papers already accepted for publication: Nil

e) Technical Reports/Exhibition Reports/patents: Nil

f) Papers in Refereed Conference Proceedings:

1. Obaleye, J.A., **Amolegbe, S .A.**, and Balogun, E.A. (2008): .Ni (II) and Zn(II) Complexes of sulphonamides drugs: Synthesis,Characterization and Toxicological Studies, **6th NISEB Conference Proceeding**,: 147-156 Editor Prof. F.O Fafioye.
2. **Amolegbe, S. A.**; Obaleye, J.A., Kareem,S.; and Nkwusi,G.C. (2008): .Synthesis, Analysis and Antimicrobial Activity of some Metals Complexes of Salicylic acid and Ampicillin , CSN Delta Conference Proceeding, vol II: 24-30 Editor Prof. F.E Okieimen. Published by Chemical Society of Nigeria.
3. Akinremi, C.A., **Obaleye, J.A.** and **Amolegbe S.A.** (2010): Synthesis and Characterisation of Mixed Ligand-Iron (III) Complexes of Ciprofloxacin, **Chemical Society of Nigeria; 33rd Annual International Conference- Book of Proceedings (OGUN 2010)** Editor-in-Chief: Prof. C.O. Eromosele pp 1-4. Published by the Chemical Society of Nigeria.
4. Adediji , J. F., Obaleye, J. A., Lawal, A. and **Amolegbe .A. Saliu** (2011): Iron (III) Complexes of 2,5-Diamino-1,3,4-Thiami, **Chemical Society of Nigeria; 34thAnnual International Conference- Book of Proceedings(KWARA 2011)** Editor-in-Chief: Prof. E.O. Odebunmi, pp 053-059. Published by the Chemical Society of Nigeria.
5. Lawal, A., Obaleye, J.A. Tella A.C., Adediji, F.J., **Amolegbe, S.A.**, Usman, L.A., Rajee, A.O. and Muhammad, N.O (2011): Synthesis and Toxicological Studies of Cobalt (II) Complexes of Aspirin and Paracetamol, **Chemical Society of Nigeria; 34thAnnual International Conference- Book of Proceedings(KWARA 2011)** Editor-in-Chief: Prof. E.O. Odebunmi, pp 001-003. Published by the Chemical Society of Nigeria.
6. **Amolegbe, S. A.**, Nakamura, M. and Hayami, S (2013): Magnetic Behaviour of Conjugated Long Alkyl Chains Terpyridine Co(II) Complex, **2nd Kumamoto Symposium on Nano, Supramolecular and Coordination Chemistry**, Editor: Prof Shinya Hayami, 7-14, Kumamoto University Press, Japan.

7. **Amolegbe, S.A.**,Anokela, M.O.,Daramola,C.B.,Akinremi,C.A. ,Adewuyi,S., Kareem, S.O.(2017). Cd(II) Complexes bearing aromatic coupled azomethine moiety 2nd South West Zonal Conference of Chemical Society of Nigeria (CSN) Nigeria, Abeokuta Conference, Published by the Chemical Society of Nigeria CSN, Ogun State Chapter.
8. A.K Moshood and S.A. Amolegbe (2025), Synthesis and Characterization of MCM-41 crown gated with Heparin as active agent for mimic plasmodium parasite 48th Chemical Society of Nigeria (CSN) Conference, Osun 2025.

(g) Unpublished Conference, Workshop/ Seminar in the last 5 years and paper read

1. **Amolegbe, S.A.**, Hirano, Y., Adebayo, J.O., Ademowo, O. G. Balogun, E.A., Obaleye, J. A., Krettli, A., Yu, C., Hayami, S. (2018): High Performed nano silica for antimalarials drug delivery: hope of modern medicine, Next Generation ACS Nigeria Consortium Conference, Kwara State., at University of Ilorin, Ilorin, May 2, 2018.
2. **Amolegbe, S.A**, Adebayo, J. Balogun, E.A., Krettli, Hayami, S., (2017), Effective controlled release of mcm-41- quinine smart drug (mqsd) against *p. Berghei* Nk65, 6th Asian Biomaterial Congress, Thiruvananthapuram, Indian, October 25-27, 2017.

