

DR ONASANYA Babatunde Oluwaseun
Publication List for 2023

Chapters in Books already published:

- *1. Fagbola B. O. and **Onasanya B. O.** (2020). The perception of teachers on the quality of primary school mathematics textbooks in Oyo State, Nigeria. In Sánchez-Serrano J. L., Maturo F. and Hošková-Mayerová S. (Eds). *Studies in Systems, Decision and Control* Vol 208. Switzerland: Springer Nature. 183-192pp. ISBN 978-3-030-18593-0. (Switzerland) (Contribution: 40%).

Articles that have already appeared in Refereed Conference Proceedings:

2. Tu Z., Wang L., Peng T., Li L. and **Onasanya B. O.** (2020) Lagrange stability analysis for quaternion-valued memristive neural networks. In: (Eds) FFFF: Proceeding of the 6th International Conference on Information, Cybernetics, and Computational Social Systems (ICICSS). 27 – 30 September 2019. Chongqing, China: IEEE 225-230. (Contribution: 20%).

Articles that have already appeared in learned journals:

3. **Onasanya, B.O.** and Ilori, S.A. (2013). On Fuzzy Subgroup and Fuzzy Cosets. *International Journal of Computer Applications* Vol. 81. No.14: 20-22. (United States of America) (Contribution: 80%).
4. **Onasanya, B.O.** and Ilori, S.A. (2014). Some Results In Fuzzy and Anti Fuzzy Group Theory. *International Journal of Mathematical Combinatorics* Vol. 1: 1-5. (United States of America) (Contribution: 80%).
5. **Onasanya, B.O.** and Ilori, S.A. (2014). On Cosets and Normal Subgroups. *International Journal of Mathematical Combinatorics* Vol. 3: 35-40. (United States of America) (Contribution: 80%).
6. **Onasanya, B.O.** and Ilori, S.A. (2015). Some Properties of fuzzy Symmetric Subgroup and Anti fuzzy Subgroup. *The Journal of Fuzzy Mathematics* Vol. 23. No. 2: 413-417. (United States of America) (Contribution: 80%).
7. **Onasanya, B.O.** and Ilori, S.A. (2015). Relations, Isomorphism of Level and Lower Level Subgroups. *The Journal of Fuzzy Mathematics* Vol. 23. No. 2: 407-412. (United States of America) (Contribution: 80%).
8. **Onasanya, B.O.** and Ilori, S.A. (2015). The Action of a Group on a Fuzzy Set Via Fuzzy Membership Function. *IMHOTEP: African Journal of Pure and Applied Mathematics* Vol. 2. No. 1: 65-70. (Cameroon) (Contribution: 80%).
9. **Onasanya, B.O.** (2015). Some Topological Concepts Via Level Subset of a Fuzzy Subset. *Advances in Fuzzy Sets and Systems* Vol. 20. No. 2: 177-188. (India) (Contribution: 100%).
10. **Onasanya, B.O.** (2016). Some Reviews in Fuzzy Subgroups and Anti Fuzzy Subgroups. *Annals of Fuzzy Mathematics and Informatics* Vol. 11. No. 3: 377-385. (South Korea) (Contribution: 100%).
11. **Onasanya, B.O.** (2016). Reviews of Some Anti Fuzzy Properties of Some Fuzzy Subgroups. *Annals of Fuzzy Mathematics and Informatics* Vol. 11. No. 6: 899-904. (South Korea) (Contribution: 100%).

12. **Onasanya, B. O.** (2017). A Note on Hyperstructures and Some Applications. *International Journal of Mathematical Combinatorics* Vol. 4: 60-67. (United States of America) (Contribution: 100%).
13. **Onasanya, B. O.** and Feng, Y. (2018). Some Properties of Fuzzy HX Group. *Journal of Information and Optimization Sciences* Vol. 39. No. 8: 1681-1692. (United Kingdom) (Contribution: 80%).
14. **Onasanya, B. O.** and Hoskova-Mayerova, S. (2018). Some Topological and Algebraic Properties of α -level Subsets' Topology of a Fuzzy Subset. *Analele Stiintifice ale Universitatii Ovidius Constanta* Vol. 26. No. 3: 213-227. (Romania) (Contribution: 80%).
15. Eze, M. K. and **Onasanya, B. O.** (2018). Case Studies on the Application of Fuzzy Linear Programming in Decision-Making. *Ratio Mathematica* Vol. 35: 29-45. (Italy) (Contribution: 50%).
16. **Onasanya, B. O.** and Hoskova-Mayerova, S. (2019). Multi-Fuzzy Group Induced by Multisets. *Italian Journal of Pure and Applied Mathematics* Vol. 41: 597-604. (Italy) (Contribution: 80%).
17. Feng, Y. and **Onasanya, B. O.** (2019). Multigroups and Multicosets. *Italian Journal of Pure and Applied Mathematics* Vol. 41: 251-261. (Italy) (Contribution: 50%).
18. Ejegwa, P. A. and **Onasanya, B. O.** (2019). Improved Intuitionistic Fuzzy Composite Relation and its Application to Medical Diagnostic Process. *Notes on Intuitionistic Fuzzy Sets*. Vol. 25. No. 1: 43-58. (Bulgaria) (Contribution: 30%).
19. **Onasanya, B. O.** and Sholabomi, A. S. (2019). Fuzzy Multiset Operations in Application. *Annals of Fuzzy Mathematics and Informatics* Vol. 17. No. 3: 279-288. (South Korea) (Contribution: 80%).
20. Hoskova-Mayerova, S. and **Onasanya, B. O.** (2019). Results on Functions on Dedekind Multisets. *Symmetry* Vol. 11. No. 9: 1-9. (Switzerland) (Contribution: 50%).
21. **Onasanya, B. O.** and Feng, Y. (2020): Some Algebraic Properties of Fuzzy Cosets and Fuzzy Middle Cosets. *Journal of Fuzzy Mathematics*, Vol. 28. No. 2: 327-338. (United States of America) (Contribution: 80%).
22. **Onasanya, B. O.**, Feng, Y., Wang, Z., Samakin, O. V., Wu, S. and Liu, X. (2020): Optimizing Production Mix Involving Linear Programming with Fuzzy Resources and Fuzzy Constraints. *International Journal of Computational Intelligence Systems*, Vol. 13. No. 1: 727-733. (France) (Contribution: 40%).
23. Yanheng, C., Guiyun, C., Feng, Y., **Onasanya, B. O.** (2020): Characterization of Some Linear Groups by Their Conjugacy Class Sizes. *Italian Journal of Pure and Applied Mathematics*, Vol. 43: 14-24. (Italy) (Contribution: 20%).
24. **Onasanya, B. O.**, Atamewoue, T. S. and Hoskova-Mayerova, S. (2020): Certain Fuzzy Hyperstructures from a Fuzzy Set. *Journal of Intelligent and Fuzzy Systems*, Vol. 39. No. 3: 2775-2782. (The Netherlands) (Contribution: 60%).
25. **Onasanya, B. O.**, Feng, Y., Wen, S., Zhang, W., Ademola, A. T. and Tang, N. (2021): Varying Control Intensity of Synchronized Chaotic System with Time Delay. *Journal of Physics Conference Series* Vol. 1828: 1-9. (Bristol, UK) (40%).
26. Cristea, I. N., Novak, M. and **Onasanya, B. O.** (2021): Links between HX-Groups and Hypergroups. *Algebra Colloquium*, Vol. 28. No. 3: 441-452. (Singapore) (Contribution: 30%).

27. **Onasanya, B. O.**, Tu, D., Feng, Y., Ogunbiyi, O. D. and Ogunmola, O. A. (2021): Some More Algebraic Hyperstructures in Chemistry and Biochemistry. *Italian Journal of Pure and Applied Mathematics*, Vol. 46: 134-146. (Italy) (Contribution: 50%).
28. **Onasanya, B. O.**, Feng, Y., Zhang, W. and Xiong, J. (2021): Fuzzy Coefficient of Impulsive Intensity in a Nonlinear Impulsive Control System. *Neural Processing Letters*, Vol. 53. No. 6: 4639-4657. (Switzerland) (Contribution: 60%).
29. Atamewoue, T. S., Ogadoa, A., **Onasanya, B. O.** and Feng Y. (2021): Existence Theorem on Finite Krasner Hyperfields. *Journal of hyperstructures*, Vol. 10. No. 1: 38-46. (Iran) (Contribution: 30%)
30. Sangodapo, T. O., **Onasanya, B. O.** and Hoskova-Mayerova, S. (2021): Decision-Making with Fuzzy soft Matrix Using a Revised Method: A Case of Medical Diagnosis of Diseases. *Mathematics*, Vol. 9. No. 18: 1-12. (Switzerland) (Contribution: 40%).
31. **Onasanya, B. O.**, Xin, M., Feng, Y. and Zhang, W. (2022): Harmonization of some fuzzy subgroups. *Italian Journal of Pure and Applied Mathematics*, Vol. 48: 863-876. (Italy) (Contribution: 60%).
32. Chen, J., Hu, J., **Onasanya, B. O.** and Feng, Y. (2022): Stability analysis of the impulsive projection neural network. *Neural Processing Letters*, Vol. 55. No. 1: 645-656. (Switzerland) (Contribution: 40%)
33. Sangodapo, T. O. and **Onasanya, B. O.** (2022): Some characteristics of picture fuzzy subgroups via cut set of picture fuzzy set. *Ratio Mathematica*, Vol. 42: 341-351. (Italy) (Contribution: 50%).
34. Wu, K., **Onasanya, B. O.**, Cao, L. and Feng Y. (2023): Impulsive control of some types of nonlinear systems using a set of uncertain control matrices. *Mathematics*, Vol. 11. No. 2: 1-12. (Switzerland) (Contribution: 50%) (Published in January, 2023).