EDITED CONFERENCE PROCEEDINGS

of

Professional Statisticians Society of Nigeria

(*formerly*, Nigeria Statistical Society)

for

"The 3rd International Conference"

Theme: STATISTICS, DEMOCRACY AND NATION BUILDING

Held at: Centre for Excellence, Ahmadu Bello University, Zaria, Nigeria

(22nd – 25th April 2019)

Volume 3, 2019

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The Goal: The goal of the *Professional Statisticians Society of Nigeria* is to promote statistical research and its applications in Nigeria.

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The Mission: The mission of the *Professional Statisticians Society of Nigeria* is to be a society that contributes to the development of the nation through advanced statistical research that benefits the decision-makers, policy advisers, industrialists and the investors in Nigeria.

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FROM THE EDITORIAL DESK

The volume 3 edited proceedings published here contained the papers presented at the 3rd International Conference of the Professional Statisticians Society of Nigeria (PSSN) held at Ahmadu Bello University, Zaria between April 22nd to 25th 2019. As usual, only those manuscripts that were accepted after the peer-review exercise are published in this volume.

There was a slight improvement in the number of papers submitted for evaluation for this volume 3 over volume 2. For this volume, a total of 39 papers were submitted for evaluation against the 35 papers submitted for volume 2, which translates to about 11% increase in the submission rate. However, out of the 39 manuscripts submitted for evaluation, a total of 26 papers were accepted after the peer-review exercise which translates to about 67% acceptance rate.

I would like to sincerely thank all our reviewers for rendering their selfless services to PSSN. Their valuable contributions have taken us this far in our journey towards improving statistical research in Nigeria.

To all our authors and readers, all the published papers in this volume and the earlier volumes can be accessed freely at www.pssng.org

Have a nice reading experience as you read on!

Professor Waheed Babatunde Yahya
Editor-In-Chief/Chairman, Editorial Board
2019 Edited Conference Proceedings, Volume 3
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EDITORIAL SUMMARY

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Total Manuscripts Peer-Reviewed = **39** Manuscripts
Total Manuscript Accepted = **26** Manuscripts (about 67%)
Total Manuscript Rejected = **13** Manuscripts (about 33%)

Acceptance Rate = 67%; Rejection Rate = 33%

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