## Journal of Agricultural Science and Environment

{Formerly - ASSET: An International Journal (Series A)}

**Journal of Agricultural Science and Environment** provides an appropriate medium for disseminating high quality and original research findings, critical topical reviews, technical notes/short communications on emerging technologies and innovations among researchers worldwide and promoting scholarship. All papers published in the Journal are independently peer-reviewed by selected referees on the recommendations of the Editor-In-Chief on behalf of the Editorial Board.

## Editor-In-Chief: Professor Chryss F.I. Onwuka Editor: Professor O.M. Onagbesan

Postal Address: FUNAAB Journals Management Office, Federal University of Agriculture, P.M.B 2240, Abeokuta, Ogun State, Postcode 110001, Nigeria. E-mail Addresses: unaabassetjournal@unaab.edu.ng; unaabasset@yahoo.com Phone Numbers: +2348033376854; +2348077766064; +2348138456373

## **Editorial Board**

**Professor C.F.I. Onwuka**, Ph.D., M.Sc., B.Sc. FNSAP Department of Animal Nutrition, Federal University of Agriculture, Abeokuta, Nigeria.

**Professor O.M. Onagbesan,** Ph.D., M.Sc., B.Sc. Department of Animal Physiology, Federal University of Agriculture, Abeokuta, Nigeria.

**Professor O.J. Ariyo,** Ph.D., M.Sc., B.Sc. Department of Plant Breeding and Seed Technology, Federal University of Agriculture, Abeokuta, Nigeria.

**Professor M.I. Uguru,** Ph.D., M.Sc., B.Sc. Department of Science, University of Nigeria, Nsukka, Nigeria.

**Professor S. Momoh**, Ph.D., M.Sc., B.Sc. Department of Agricultural Economics and Farm Management, Federal University of Agriculture, Abeokuta, Nigeria. **Professor S.O. Otubusin**, Ph.D., M.Sc., B.Sc. Department of Aquaculture and Fisheries Management, Federal University of Agriculture, Abeokuta, Nigeria.

**Professor Janice Olawoye,** Ph.D., M.Sc., B.Sc. Department of Agricultural Extension and Rural Development, University of Ibadan, Ibadan, Nigeria.

**Professor M.M. Abubakar,** Ph.D., M.Sc., B.Sc. Department of Animal Production, Abubakar Tafawa Balewa University, Bauchi, Nigeria.

**Professor O.B. Kasali**, Ph.D., M.Sc., DVM, FCVSN Department of Veterinary Pathology, Federal University of Agriculture, Abeokuta, Nigeria.

Editorial Officers Mrs. S. Odunaro, - PGDM., B.Sc. (Ed), NCE Mrs. O.O. Ayoola- Secretary Mr. O.I. Adebisi, -Editorial Assistant