



NSPP Newsletter

A PUBLICATION OF THE NIGERIAN SOCIETY FOR PLANT PROTECTION

VOLUME 10 (1, 2, & 3) SEPTEMBER 2024

Editor: Julius Bulus

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**National Secretariat:
A206, Department of
Crop Protection and
Environmental
Biology, University of
Ibadan, Oyo State,
Nigeria.**



Nigerian Society for Plant Protection (NSPP)



From the President's Desk



With great pleasure, I welcome you to Volume 10 (Editions 1, 2, & 3) of the Nigerian Society for Plant Protection (NSPP) Newsletter. Before anything else, I extend my deepest gratitude to God Almighty, for sustaining our lives to witness yet another edition of our quarterly Newsletter; to the exceptional leadership and unwavering dedication to the NSPP initiative by the members of the Board of Trustees, headed by Professor D. B. Olufolaji; to the members of the Executive Council as well as the overall members of the NSPP for the immense support, dedication and commitment to the cause of the society. I would like to thank the Editor, Dr. Julius Bulus for nourishing us with the quarterly meal served through the Newsletter (although three editions of Volume 10 are now served together, due to the delay in releasing editions 1 and 2).

As you immerse yourselves in the contents of this Newsletter, I hope you find inspiration, motivation, and a renewed sense of purpose. It is our renewed commitment to continue to provide you with content that challenges and enriches your professional journey. This edition captures the remarkable activities, outcomes, and future directions that emerged from our recent 49th Annual Conference, and

other significant milestones within our society.

The newsletter begins with a comprehensive overview of the 49th Annual Conference held at Rivers State University, Nkpolu Oroworukwo, Port Harcourt. Among the highlights, you will find the keynote address delivered by Professor N. Hudson Ukoima, who provided a compelling argument for the prioritization of plant health in national and global contexts. This was complemented by a lead paper presentation from Professor E. Etebu, which explored biomolecular approaches to sustainable plant health, linking it directly to human health and economic prosperity. The Welcome Address by the Chairperson of the Local Organizing Committee (LOC), Professor E. C. Chuku, is also featured, outlining the warm reception by the Vice-Chancellor of Rivers State University and the significance of hosting this year's conference at their esteemed institution.

The Newsletter featured the Communique of the 49th Conference, which captures the key observations and recommendations discussed during the event and also proudly presents the decoration of new NSPP Fellows, where distinguished members of our society were honored for their outstanding contributions to the field of plant protection. It further includes a conference photo gallery that captures the memorable moments shared by participants during the conference.

At this juncture, I would also like to acknowledge the members of the Local Organizing Committee of the 49th Annual Conference headed by Professor E. C. Chuku and the LOC Secretary Dr. Uche Enmiri, for organizing a successful conference; and the



Vice Chancellor of Rivers State University, Professor Nlerum Sunday Okogbule, for his warm reception and steadfast support in making the event possible. To Her Excellency, the Deputy Governor of Rivers State, Professor Ngozi Nma Odu, I extend the Society's deepest gratitude for gracing us with her presence and for her unwavering support for the agricultural sector.

This Newsletter further celebrates the achievements of our members, reflecting the excellence and dedication within our community. In the Promotions and Appointments section, we recognize the career advancements of several of our members, including promotions to professorial ranks and key leadership appointments. These achievements underscore the continued growth and impact of our society in the academic and professional realms.

The Newsletter highlights the success of our recent Webinar 6.0 on "Pest Management in the Face of Climate Change," which featured expert insights from Prof. Dr. Ahmad Hamed Elkenawy. This event is part of our ongoing effort to provide continuous professional

development opportunities to our members. The Newsletter also provides a glimpse into the upcoming exciting Webinar 7.0 series on "Revolutionizing Crop Protection Research in Nigeria through the Use of Artificial Intelligence" to be delivered by Dr. M. E. Abo on Monday, September 9, 2024, by 10:00 - 11:30 AM.

Our dear distinguished members, it is hoped that as you explore the various sections of this Newsletter, you'll find the content both informative and inspiring. This reflects our collective commitment to advancing the field of plant protection, ensuring food security, and contributing to the economic prosperity of our great nation. Let us continue to work together to uphold the values of our society and to make meaningful contributions to our communities and the world at large.

It is with profound respect and excitement that I present to you Volume 10 (Editions 1, 2 & 3) of the NSPP Newsletter. Thank you for your continued support and dedication to the Nigerian Society for Plant Protection.

Remain blessed.

Prof. A. U. Yusuf
President

Welcome Address by the Chairperson, Local Organising Committee (LOC): Professor E.C. Chuku



All Protocol!!!

It is with great joy and utmost humility that I stand here to present my welcome address to this distinguished audience today. I am very happy that the 49th annual conference of the Nigerian Society For Plant Protection is being hosted here in the Rivers State University Nkpolu Oroworukwo, Port Harcourt for the first time since the inception of the Nigerian Society For Plant Protection about fifty four years ago which I see as a rare privilege.

It is also important to note that I attended this conference for the first time in 2005 at the University of Port Harcourt and have never missed any conference till date.

However, at the 48th Annual Conference in Bayero University, Kano 2023, the Rivers State University was awarded the hosting right which was whole heartedly accepted

because I had already unofficially hinted my Vice Chancellor our intention to host the conference on my return from the 47th Annual Conference at Federal University Owerri where the Rivers State University contingents won the first position as the university with the highest number of attendees. The reason for this background information is to let everyone know that the Rivers State University came prepared to host this conference and we are ready.

To my amiable Deputy Governor, Her Excellency Ma'am, I am grateful for your highly esteemed presence at this opening ceremony and I don't want to take it for granted. To the commissioner of Education, I appreciate your presence Sir. Also, to my Local Government Chairman, I say a very big thank you for honouring this occasion.

Finally, to our visitors across the Federation, I welcome you to our State University and want to reassure you that Rivers State is calm, friendly and hospitable State. I want you all to relax and enjoy the ambience of our State and her university.

Thank you and remain blessed.

Rivers State University Vice Chancellor Welcomes NSPP Executives, Presents Souvenirs Ahead of the 49th Conference



As part of the activities leading up to the commencement of the 49th Annual Conference of the Nigerian Society for Plant Protection (NSPP), the Vice Chancellor of Rivers State University, Professor Nlerum Sunday Okogbule, warmly received the Executive Committee of the NSPP at his office. The courtesy visit took place in the Vice Chancellor's meeting chamber at the Senate building.

The Chairperson of the Local Organizing Committee (LOC), Professor E.C. Chuku introduced the NSPP Executive Committee

members, while the President of NSPP, Professor Abdulhameed Umar Yusuf provided the Vice Chancellor with a brief overview of the society's mission and core objectives.

In his remarks, the Vice Chancellor expressed his gratitude to NSPP for selecting Rivers State University as the host institution for the 49th annual conference. He emphasized that hosting such an event aligns with the university's strategic goal of enhancing global visibility. The Vice Chancellor assured NSPP of his unwavering support and, in a gesture of goodwill, presented a souvenir to each member of the Executive Committee. He then implores members to take time and enjoy the beautiful environment of the university.



Keynote Address: Prioritizing Plant Health for Enhanced Human Health and Economic Prosperity in the 21st Century

Professor N. Hudson Ukoima



Plant health is a situation whereby plants carry out their physiological functions such as reproduction, excretion, growth to mention a few. Relatively healthy plants can carry out other functions as adding oxygen into the atmosphere and the removal of carbon iv oxide from the atmosphere, reduce erosion, prevent flooding and provide fruits and medicine. On the contrary, plants that cannot carry out these functions are said to be unhealthy. In between are plants that appear to be healthy but are sick, such plants are said to suffer from latent infection. Unfortunately, there are factors that can cause plants to be sick. These factors include: man, nutrition, temperature, humidity, light, gas etc. Environmental factors such as temperature (high or low), can either cause excessive water loss from plants and sudden death or at low temperature reduce plants activities such as growth rate, yield and even death of plants. High humidity or excess water from the atmosphere or even flooding can inundate plants and cause death of plants. Gas flares can scorch plants and cause death of plants. That is why government must ensure that gases should be converted to usable forms in Nigeria. About 10.027 billion standard cubic feet (SCF) of gas was flared in 2022, 3223 SCF flared monthly. Nigeria losses 233 billion naira (761.6 million US Dollars)

monthly due (Emmanuel, 2023; World Bank, 2022).

Man, directly and indirectly cause harm on plants health. Man, directly destroys plants by cutting down plants using machines or manually. Man can also indirectly harm plants through importation of infected plant materials into the country. Another instance of indirect way man cause harm on plants is by carrying contaminated materials into crop fields.

Nearly 25 million Nigerians are at risk of facing hunger due to food shortage caused by climate change, insurgencies, rise in food prices, kidnapping and Armed banditry (Rajat, 2023). Also, widespread flooding in 2022 in Nigeria damaged about 676,000 hectares of farmlands which reduced harvest and increased the risk of food shortages amongst families across Nigeria (National Emergency Agency, 2022).

It is pertinent to point out that plant health is directly linked to human health. Life will almost be impossible without plants. Nature's 9 most powerful plants which are used to treat some ailments and demonstrate the benefits of plants on human health are: *Ginkgo biloba*, *Curcumis longa*, *Oenothera biennis*, *Linum ustalissimum*, *Melaleuca alternifolia*, *Echinacea purpurea*, *Citrus paradise*, *Lavendula angustifolia*, *Matricaria* and *chamomilla*.

Economic importance of crops is clearly discussed by Mohammed (2019). This includes:



- 1- Spices contains high portion of fat, protein, carbohydrate. Also, micronutrients and antioxidant properties. This includes, Coriander, Clove, Red pepper, Garlic, Tamarind etc.
- 2- Oil plants provide various oils use for cooking, painting etc. Such plants include: Sunflower, Castor, Walnut, Peanut, Avocado etc.
- 3- Legumes, Cereals, provide source of protein carbohydrate for both humans and livestock.
- 4- Drugs are produced from several plants that are used for curing ailments.
- 5- Plants are source of biofuels, Alcohols, Bio ethanol.
- 6- Plants are grown for ornamental purposes, fodder for livestock, timber for various domestic and industrial structures.
- 7- Plants are also use for bio-pesticides formulations, fibres, wax etc.
- 8- Plants are sources of oxygen, human consume 550 L of oxygen per day. A 100 ft tree, 18 diameters base produces 6000 pounds of oxygen.

It is important to point out that crop production accounted for 19.63% of the nominal GDP in the first quarter of 2023. Agriculture accounted for 24% of GDP from 2019-2023.

Hence, the issues discussed above undoubtedly demonstrate why prioritizing plant health is inevitable and must be considered always. Indeed, healthy plants play a vital role in the wellbeing of any nation.

In summary, plants are very important to man, animals, insects, birds and even microbes. It is almost impossible to live without plants. Therefore, it is imperative that plants must be protected for our benefits as enumerated earlier in this write up. Finally, it must be noted that no plants, no life. I do not intend to turn this keynote address to a paper presentation. I will leave the rest of our scientists to do the needful. Once again welcome to the Rivers State University, Nkpolu-Oroworukwo Port Harcourt.

Selected Plants Used To Treat Some Ailments		
S/N	NAME/ SCIENTIFIC NAMES OF PLANTS	MEDICINAL USES
1.	Ginkgo (<i>Ginkgo biloba</i>) 	Improves eye health, prevents dementia, diabetes, anxiety, depression
2.	Tumeric (<i>Curcuma longa</i>) 	Prevents skin infection, arthritis, kidney health,
3.	Primerise oil (<i>Oenothera biennis</i>) 	Dermatitis, breast pain, inflammation, arthritis, improve fertility

4.	Flaxseed Tea (<i>Linum usitatissimum</i>) 	Decreases obesity, regulates blood pressure, prevents colon cancer, improves digestive health, relieves constipation, help women fertility.
5.	Tea tree oil (<i>Melaleuca alternifolia</i>) 	Prevents dandruff, insect bite, cuts, improves skin health
6.	Echinacea (<i>Echinacea purpurea</i>) 	Prevents bronchitis, upper respiratory infection, cold, builds immunity, prevent tooth aches, for snake bites

DECORATION OF NEW FELLOWS!!!



Brief citation and decoration, and presentation of Fellowship award to Dr. Akaamaa Clement Wada



Brief citation and presentation of Fellowship award to Prof. Afiniki Bawa Zarafi, who was represented by Prof. Anna Malgwi



Brief citation and presentation of Fellowship award to Prof. Jonathan Jeremiah Atungwu, who was represented by Dr. Yekini

COMMUNIQUE OF THE 49TH ANNUAL CONFERENCE

Preamble

Members of the Nigerian Society for Plant Protection (NSPP) held their 49th Annual Conference at Rivers State University, Port-Harcourt, Nigeria from 5th - 9th May, 2024. The theme of the conference was **“Prioritizing Plant Health for enhanced human health and economic prosperity in the 21st Century”**. The Conference was well attended by notable and reputable Plant Protectionists, Government officials, Members of Agriculture and allied agencies, Farmers’ associations, Captain of Industries, Students, Gentlemen of the press and numerous well-wishers.

The opening ceremony was chaired by her Excellency, Prof. Ngozi Nma Odu, the Deputy Governor of Rivers State with the Vice Chancellor, Prof. S.N. Okogbule, Deputy Vice Chancellor (Administration) Prof. Victor A. Akujuru and Deputy Vice Chancellor (Academics) Prof. Valentine B. Omubo-Pepple, Rivers State University. Welcome address was delivered by her Excellency, Prof. Ngozi Nma Odu, the Deputy Governor of Rivers State. The opening ceremony also featured a welcome address from Prof. A.U. Yusuf, the National President of the Nigerian Society for Plant Protection (NSPP). Goodwill messages were delivered by Dr. Z.G.S. Turaki on behalf of the Executive Director, Lake Chad Research Institute, Maiduguri; Prof. T. I. Olabiyi on behalf of the President, Association of Organic Agriculture Practitioners of Nigeria (NOAN) and Prof. B. Claudius-Cole on behalf of the Nigerian Society of Nematologists (NISON).

The Keynote address, was presented by Prof. N. Hudson Ukoima of Rivers State University, Port-Harcourt titled **“Prioritizing Plant Health for enhanced human health and economic prosperity in the 21st Century”**. The Lead Paper was delivered by

Prof. E. Etebu of the Niger Delta University, Bayelsa on **“Bio-Molecular approaches to sustainable plant health and its nexus to human health and economic prosperity”**. Three active members of the Society, namely: Prof. J.J. Atungwu, Prof. A.B. Zarafi and Dr. A.C. Wada were given NSPP Fellows.

The conference was well attended with over 130 participants across Nigeria and Africa. Participants of the conference were from over 50 Institutions - representing Universities, Research Institutes, Industries, NGOs, Farmers’ group, Private and Government agencies.

Observations:

Sequel to the various presentations and discussions during the plenary and technical sessions, the following observations made were:

1. Plants are susceptible to some natural biotic and abiotic factors leading to many disease conditions.
2. Plant diseases can lead to 100% crop loss if appropriate management measures are not in place.
3. The application of synthetic chemicals was identified as the most common method of plant disease management.
4. Synthetic chemicals were associated with environmental pollution and the source of certain environmental, livestock and humane disorders, making them unhealthy.
5. Agricultural practitioners are most peasant farmers who are unlearned and found to use synthetic chemicals indiscriminately.
6. Some crop produce and animal products are unhealthy with the presence of concomitant contaminants and chemical residue



7. leading to rejection at local and export markets.
8. Agricultural productivity in the country is continuously threatened by plant diseases, weeds, vertebrate and insect pests that necessitate urgent interventions of the plant protectionists.
9. Food insecurity is largely caused by climate change, farmers/herdsmen clashes, natural disasters, and low adoption of modern agricultural techniques.
10. Plant health Practitioners have a role to play in developing pests and disease resistant crops with enhanced nutritional qualities leading to improved food security.
11. There was low turnout of students' enrolment in Agriculture especially with reference to Crop Protection

Recommendations:

1. Ensuring healthy plants are essential for stable food production, healthy living, sustainable food security and hunger prevention.
2. Monitoring and maintaining plant health contribute to safer food and human health.
3. Sustainable crop protection practices such as use of non-synthetic pesticide approach should be embraced.
4. Government at all levels should train peasant farmers on the appropriate use of agricultural inputs.
5. The Government in collaboration with the industries, NGO's etc should embrace healthy production of crop produce and animal products.
6. The Government should encourage appropriate companies, institutions or NGOs that can help plant protection communities with the modern molecular techniques in tackling the

7. issues of human health and economic prosperity.
8. The use of innovative mobile applications, adaptable for smallholder farmers that can enhance easy identification of diseases and insects should be encouraged.
9. Passage of the Bill now before the National Assembly, establishing the Nigerian Institute of Plant Protection (NIPP) which will coordinate issues on plant protection and advise government on related matters should be completed within a shortest period of time.
10. The Government should start Plant Doctor programme just like Veterinary and Human Doctors at various Universities in Nigeria in order to boost plant and human health and services.

Conclusion:

It becomes imperative for the three tiers of Government, be it Local, State and Federal, to holistically engage Plant Protection Practitioners in the production of safe to eat food (healthy food) for improved human health, export market and economic prosperity in Nigeria.

Prof. T.I. Olabiyi (Chairman of Communique, MNSPP)

Dr. B.S. Wudil (Member, MNSPP) Dr. Aminu-Taiwo, B.R. (Member, MNSPP)

Dr. A.K. Oyetunde (Secretary, MNSPP)

Promotions and Appointments



Dr B. T. Magaji promoted to the rank of Professor of Entomology effective from 1st Oct 2021. ABU Zaria, Kaduna State.



Dr. O. Segun promoted to the rank of Professor of Nematology effective 1st October 2021. FUNAAB Abeokuta, Ogun State.



Dr Baba Sani Wudil, Promoted to the rank of Ass. Professor of Entomology. Bayero University, Kano, Kano State.



Dr Mrs C. Ekhuemelo promoted to the rank of Ass. Prof. of Plant Pathology with effect from Oct. 2020. Joseph Sarwan Tarka University,



Dr. O.O. Oladele promoted to the rank of Ass. Professor Plant Pathology. FUTA Akure Ondo State



Dr. F. K. Mohammed promoted to the rank of Professor of Plant Nematology effective from October 1st, 2022. University of Maiduguri. Borno State.



Dr. Chris Eche has been appointed as the HOD of Department of Environmental Sustainability of Joseph Sarwuan Tarka University

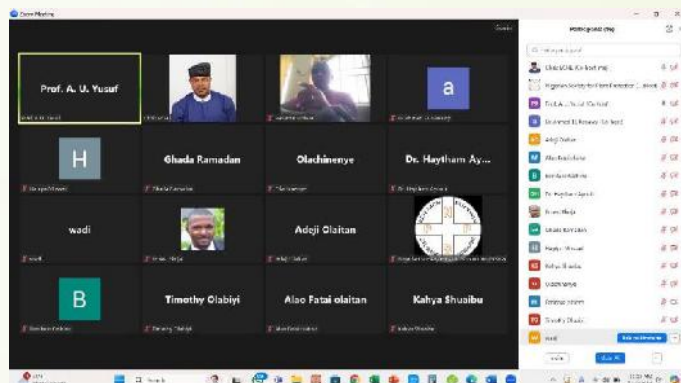


Prof. Ibrahim Umar has been appointed as the 9th substantive Vice Chancellor of Modibbo Adamawa University Yola by the university governing council on the 14th of August 2024.

Webinar!!!

The 6th webinar in our series was a resounding success, with strong participation and high engagement from our members. The session, titled "Pest Management in the Face of Climate Change," was expertly delivered by Prof. Dr. Ahmad Hamed Elkenawy from the Department of Biological Control, Plant Protection Research Institute, Cairo, Egypt. Prof. Elkenawy provided invaluable insights into the challenges posed by climate change on pest management and offered practical strategies to address the increased pest pressure we're currently facing. Stay tuned for our next exciting webinar!

Check out the highlights below!



7th upcoming exciting webinar series: Revolutionizing Crop Protection Research in Nigeria through the Use of Artificial Intelligence!!!

NIGERIAN SOCIETY FOR PLANT PROTECTION (NSPP)
Webinar Series 7.0

TOPIC
REVOLUTIONIZING CROP PROTECTION RESEARCH IN NIGERIA THROUGH THE USE OF ARTIFICIAL INTELLIGENCE

Monday 9 September, 2024
10:00 am

Speaker
Dr. M.E. ABO
Former Executive Director,
National Change Governance Institute, Nigeria

Host
PROF. A. U. YUSUF, FNSPP
NSPP PRESIDENT

Zoom Meeting ID
5931125401

Passcode
EME150

Date: *Monday September 9, 2024*

Time: *10:00 - 11:30 AM*

Meeting ID: 593 112 5401

Passcode: EME150

Join Zoom Meeting

<https://us06web.zoom.us/j/5931125401?pwd=A1maZ7wM523dhvRiMm07NZX03RNYkC.1&omn=89034208084>

Acknowledgements:

Thanks to the National Executive Council of NSPP for your contributions.
Appreciation goes to all the contributors.

CONFERENCE PHOTO GALLERY!!!



The Deputy Governor of Rivers State Prof. Ngozi Nma Odu graced the opening ceremony and wished members well.



NSPP Excos during the courtesy visit to the Vice Chancellor of Rivers State University.



Participants well seated at the conference



Students of the University entertaining members through cultural display



UPCOMING EVENTS!!!




ENTOMOLOGICAL SOCIETY OF NIGERIA (ESN)
Annual Conference
@ UNIVERSITY OF ABUJA, NIGERIA
 2ND - 5th OF OCTOBER, 2024



53rd ESN CONFERENCE

THEME AND SUBTHEMES

Theme

INSECTS: IMPLICATION FOR PUBLIC HEALTH, AGRICULTURE AND ENVIRONMENTAL SUSTAINABILITY

CHIEF HOST:
Prof. Aisha Mai Muidki
Ag. Vice-Chancellor University of Abuja

Conserving the Declining Insect Biodiversity in the 21st Century for Ecosystem Sustainability

Dr Ibrahim Musa Goni
Lecturer, ILMRI, National Road Service

Reducing Public Health Disease Burden through Effective Insect Vector Control and Environmental Management

Dr Sunday Isiyaku
Executive Director, Redding 165 Unit for the elimination of Malaria in Nigeria (REDU165)

Dr Sunday Isiyaku
Executive Director, Redding 165 Unit for the elimination of Malaria in Nigeria (REDU165)

Prof. Babu Gana J. Kabir
Lect. Chd. Insect Pathology, Njala Univ., Sierra Leone

KEYNOTE SPEAKER:
Prof Abdullahi Mustapha
Head, CSO National Bioethics Research Institute, Lagos, Nigeria, APC, ICT

LOCAL ORGANIZING COMMITTEE

Prof YD Malann
Chairman: LOC/Chairman Abuja Branch: 09077522005

Prof. RS ADAMU
P. coordinate ESN: 020228373464

Prof. AA Oyierinde
National Secretary ESN: 02025481133

Dr S. S. Obeta
Secretary LOC: 0803959639

SUB THEMES

Insect-Plant Interactions: New Perspectives in tackling Global Food Challenges and Environmental Sustainability

SUBMISSION OF ABSTRACT AND FULL PAPERS

Abstracts of original scientific research and/or reviews are invited from not more than 750 members should be forwarded as an email attachment to the LOC Secretary and the Scientific and Technical Committee not later than 15th September, 2024. With evidence of payment of abstract processing fee of N3,000.00 only via: esn2024@unijab.edu.ng

Conference Registration fee

Category	Early Bird	Regular
Members	N30,000	N27,000
Postgraduates	N10,000	N9,000
Undergraduates	N5,000	N4,000

Account Detail

Acct No: 1950000702

Bank: AbujaMFB

Name: Esnnigeria, Society of Nigeria

NETLINK ENVIRONMENTAL CONSERVATION ORGANISATION
AFE BABALOLA UNIVERSITY ADO-EKITI (ABUAD)

WORLD ENVIRONMENTAL CONSERVATION CONFERENCE 2024

28TH - 30TH, OCTOBER, 2024

📍 Afe Babalola University Ado-Ekiti, Nigeria.

THEME

RE-ENVISIONING CONTEXTUAL ISSUES IN SUSTAINABLE DEVELOPMENT: FOOD-WATER-ENERGY-CLIMATE- BIODIVERSITY NEXUS

SUB-THEMES

- Sustainable Land Use Management practices
- Blue economy and ocean governance
- Food supply chains and smart agriculture
- Climate risk modelling and energy systems
- Climate Change and Food Security
- Sustainable Architecture and Indoor environmental quality
- Cutting-edge innovation in Biodiversity Conservation
- GIS, Artificial Intelligence, remote sensing applications in natural resources management.
- Affordable and Clean Energy

INSTRUCTION TO AUTHORS

Material participants are encouraged to submit manuscripts for consideration. Participants will have the opportunity to present results of their research activities in an oral or poster session.

Abstract Submission Guidelines:

1. Name, affiliation and email address of the author(s)
2. Title/d topic
3. Text in Times New Roman font size 12. The abstract must not exceed 250 words
4. Keywords (Maximum 5)

All abstract must be submitted to the following email address: Electronic copy of the manuscript should be sent as attachment to wecc2024@afekuniversity.edu.ng.
Before reaching up to and email of the Chairman of Scientific committee
scap@afekuniversity.edu.ng

PAUL CHARGE

Local participant - N525,000
International participant - 3250
Postgraduate - N10,000
Undergraduate - N5,000

MEMBERSHIP CATEGORY

Student Membership: Undergraduate - N4,000, \$5.05
Postgraduate - N6,000, \$7.58
Individual - N15,000, \$18.75
Family Membership: N25,000, \$31.17
Fellow - N50,000, \$62.34
Life Fellow - N100,000, \$124.68
Corporate - N200,000, \$249.36

IMPORTANT DATES

July-September, 2024 July-September, 2024
Submission of Abstracts Submission of Full Paper
20th October, 2024
Submission Deadline for Full Paper

Arin O. Gburewa (Babalola) (090)
Chairman/Chair

Dr. Joseph Olayinka A.
"The only way to ensure a sustainable future is to ensure that the future is sustainable."
Dr. Olayinka A.
President of the Association of African Universities
Chair, Steering Committee

Asst. Prof. Dr. Olayinka A. (090)
Steering Committee (SCM)

Prof. Olayinka A. (090)
Chair

Asst. Prof. Dr. Olayinka A. (090)

📞 +234 908 888 8888 📧 wecc2024@afekuniversity.edu.ng

🌐 www.wecc2024.org





ABU ZAZZAU 2024

THE 42ND ANNUAL CONFERENCE OF THE
HORTICULTURAL SOCIETY OF NIGERIA
(HORTSON)

Theme of the Conference
Strategic Roles of Research, Innovation and Extension in Strengthening National Horticultural Technology for Sustainable Food Production.

Sub-Themes

- i. Horticultural Crop Improvement, Seed Technology, Breeding and Biotechnology for Enhanced Nutrition and Food Production.
- ii. Pest and Disease Management Strategies in Horticulture
- iii. Soil, Water, and Land Management for Sustainable Horticultural Crop Production
- iv. Climate-smart Urban and Forestry Horticultural Practices
- v. Horticultural Economics, Sociology and Extension.
- vi. Gender, Youth Engagement and Social Equity Issues in Horticultural Production.
- vii. Landscape Design, School Gardening, and Public Horticulture
- viii. Nutrition, Health, and Post-harvest Management in Horticulture.

Convener: The Provost, Samaru College of Agriculture
Host: The Director, Division of Agricultural Colleges, Ahmadu Bello University.

Chief Host: The Vice-Chancellor, Ahmadu Bello University, Zaria, Nigeria

Keynote Paper: Prof. Aiyekagbe, Isaac Ore-Olawu Olatokunbo, *FHSN*, Federal University of Agriculture, Abeokuta, Nigeria.

Topic: *Strengthening Research, Innovation, and Extension for Enhanced Public and Private Sector Participation in Horticulture.*

Lead Paper 1: Dr. Muhammed Lawal Attanda FNIAE, FNSE. Executive Director, National Horticultural Research Institute (NIHORT), Ibadan, Nigeria.

Topic: *Role of National Agricultural Technology and Innovation Policy (NATIP) in Enhancement of Horticultural Research for Improved Livelihood.*

Lead Paper 2: Prof Shehu Garki Ado (Wazirin Garki) *FHSN*, Ahmadu Bello University, Zaria, Nigeria.

Topic: *Strategies to Mobilize Horticultural Stakeholders in the Implementation of the National Agricultural Technology and Innovation Policy (NATIP).*

Date: 10th to 15th November, 2024
Venue: Samaru College of Agriculture, Division of Agricultural Colleges, Ahmadu Bello University, Zaria, Kaduna State, Nigeria.

Introduction
 The Horticultural Society of Nigeria (HORTSON), a member of the International Society of Horticultural Science was founded in October 1977 to promote the advancement and development of all branches of Horticulture in

Nigeria. The Society promotes and supports interdisciplinary research teams and intra/inter-sector collaborations and their linkages with food systems and actors. Thus, brings together all stakeholders (Scientists, Industrialists, and Farmers) working on fruits, vegetables, ornamentals, medicinal, aromatic, and spices, through conferences, seminars, symposiums lectures, and publications, which include annual Conference Proceedings, Nigerian Journal of Horticultural Science, Newsletters, and the Hort-Magazine. This year's conference tagged **ABU ZAZZAU 2024** will give members and stakeholders in the field of horticulture to meet, share ideas, and present research findings in all areas of horticulture.

Invitation to the Conference
 The Local Organizing Committee (LOC) on behalf of the Executive Council of the Horticultural Society of Nigeria cordially invites you to the 42nd Annual conference of the society scheduled to take place from 10th - 15th November 2024 at Samaru College of Agriculture, Division of Agricultural Colleges, Ahmadu Bello University Zaria, Nigeria.

Samaru College of Agriculture established in 1921, is the first College of Agriculture in northern Nigeria and the second in Nigeria. It is one of the Colleges under the Division of Agricultural Colleges offering courses in many aspects of Agriculture.

Call for Paper and Guidelines for Submission of Manuscript
 Article to be submitted for publication in the Book of Proceeding should not be more than 6 pages including tables and figures. Spacing should be

Registration Fees

Conference Registration Fees including Cost of Conference Materials

Old Members	₦ 20,000.00
New Members	₦ 25,000.00
Non Members	₦ 30,000.00
Corporate Bodies	₦ 50,000.00
Annual dues	
Old Members	₦ 10,000.00
New Members	₦ 20,000.00
Students	₦ 10,000.00 (including registration)
Corporate Membership	₦ 70,000.00
Life Membership	₦ 600,000.00
Publishing of Article in Book of Proceedings	₦ 20,000.00 per paper (including cost of review)

N.B. All payments should be made into the Conference Account

Account Details

- Account Name: Crop Science Society of Nigeria.
- Account Number: 1027101873
- Bank Name: UBA, Plc.

Evidence of payment should be scanned along with the Paper & forwarded to the Secretary LOC asshualbu.agr@buk.edu.ng
Conference fees may be paid at the point of registration.

Hotel Tariffs

- Bayero University Guest House at the Old Campus (6km to New Campus)
- Room Rates: N 20,000.00 - 30,000.00
- Contact: +234 8166666999
- Noorain Guest Palace (Opposite Bayero University, Kano)
- Room Rates: N 10,000.00 - 20,000.00
- Contact: +234 7017171728
- Zeen Noor Hotels Ltd Plot C45, Kabuga Sattelite Town, Kano (2km to Campus).
- Room Rates: N 35,000.00 - 40,000.00
- Contact: +234 8067737607/9020207430
- Prince Hotel, Tamandu road, Nassarawa GRA Kano (7.2km to Campus).
- Room Rates: N 50,000.00 - 60,000.00
- Contact: +234 7057771144
- Green Palace Hotel, No. 17, Bargery road, Bompai Kano (Approx. 7.8km to Campus).
- Room Rates: N 35,000.00
- Contact: +234



CROP SCIENCE SOCIETY OF NIGERIA (CSSN)
BAYERO UNIVERSITY, KANO (BUK)

9th

NATIONAL CONFERENCE

Annual GENERAL MEETING

BUK 2024

Theme

"Transforming Crop Production in the Face of Insecurity and Economic Crisis: Challenges and Opportunities".

Date:

13th - 18th October, 2024

Venue:

**Faculty of Agriculture
Bayero University Kano (New Campus)**

Contacts:

Professor B. M. Anwaru
LOC, Chairman
08036526164

Dr. A. S. Shaibu
LOC, Secretary
08066019498

Invitation

The Local Organising Committee (LOC), on behalf of the National Executive Council (NEC) of CSSN Cordially invites you to the 9th National Conference and Annual General Meeting of the Society holding at the Faculty of Agriculture, Bayero University, Kano Nigeria.

Theme:

"Transforming Crop Production in the Face of Insecurity and Economic Crisis: Challenges and Opportunities".

Sub-Themes

1. Crop Germplasm Resource Harnessing and Utilization for Improved Crop Production.
2. Smart Crop Production Technologies for Resilience and Adaptation to Climate Change.
3. Appropriate Mechanization for Transforming Crop Production.
4. Crop-Livestock Integration: A Strategy for Improved Agricultural Production and Healthy Environment Sustainability.
5. Modern Approaches in Integrated Soil, Pest and Disease Management for Sustainable Crop Production and Food Security.
6. Improved Handling Practices and Value Addition for Reduction of Postharvest Losses and Income Generation.
7. Value Chain and Advisory Services Through Digital Innovations and Climate-Smart Technologies
8. Forestry Practices and their Impacts on Crop Productivity.
9. Gender mainstreaming for improved Crop Production.

Conference Programme

- Day One:**
Sunday 13th October, 2024
Arrival/ Registration of Participants
- Day Two:**
Monday 14th October, 2024
Registration continues
Opening Ceremony
Plenary Session
- Day Three:**
Tuesday 15th October, 2024
Technical Session
- Day Four:**
Wednesday 16th October, 2024
Technical Session continues
- Day Five:**
Thursday 17th October, 2024
Annual General Meeting
- Day Six:**
Friday 18th October, 2024
Departure

Call for Papers

Papers for oral or poster presentations are invited but not limited to the sub-themes.

Guidelines for manuscript submission

1. The Paper should not be more than 10 pages. (double line space) on A4 format with margin of 2.54cm on each side.
2. The first line should be left blank and the second line should carry the title of the paper in bold sentence case letters (Times New Roman, font size 12) followed by the names (initial first, then surname) and

address(es) of the author(s) in normal character (Times New Romans, font size 12). The email address of the corresponding author should be typed as part of the address in italics but in same font 12 and bolded.

3. The line following the address should be left blank. This should be followed by the entire manuscript (text in double line spacing, in Times New Roman font 12). The text should be divided into the following sub sections: **Abstract, Introduction, Materials and Methods (Methodology), Results and Discussion, Conclusion, Acknowledgments (if any) and References.** Each of the sectional heads should be typed bold using times new roman font 12 and left justified. The text should begin on next line after each heading. Reference should be in APA system of referencing 7th edition.
4. Table format should be used for table of results and numbered serially. Both tables and figures should come after the text NOT within the text.
5. Manuscripts in Microsoft Word should be sent as an attachment by email to: cssn2024@buk.edu.ng
A soft copy of the power point should be submitted to the secretariat latest three days to the conference.



**Society of Biotechnology Scientists in Tertiary Institutions in Nigeria
(SoBSTIN),
LAUTECH OGBOMOSO, OYO STATE, NIGERIA.**

presents:

**First International Conference on
Biotechnology and Innovations
(ICBI), 2024**

(FIRST ANNOUNCEMENT)

Theme:

**Revitalizing Global Economic Down-turn using
Biotechnological Approaches**



Conference Date:
25-27 September,
2024

Venue:
The Hall, LAUTECH
Ogbomosho, Oyo State, Nigeria.

Time:
10.00 a.m prompt

Pre-Conference Workshop:

Topic: Mushroom Cultivation Technology for Entrepreneurial Skill Acquisition

Date: 23-24 September, 2024

Venue: THE HALL, LAUTECH Ogbomosho, Oyo State, Nigeria. **Time:** 9.00 a.m prompt

Training Fee: N10,000 only

Sub-Themes:

- Agricultural Biotechnology
- Industrial Biotechnology
- Environmental Biotechnology
- Bioremediation
- Biofuels/Bioenergy
- Biochemicals/Biopesticides
- Biosafety/Environmental Health and Toxicology
- Bioinformatics
- Crop production
- Food and Nutritional Biotechnology/Nutraceuticals
- Phytomedicine and Health
- Industrial Processing
- Marine/Blue Economy
- Catalysis/Simulation

ABSTRACT SUBMISSION DATES: 15 June to 15 August, 2024

Abstract title should not be more than twenty (20) words, and should not be the same as that of any approved thesis, conference proceedings or published articles. Abstract should be between 250 to 300 words. There should be no graphic equation or references. Its should state the study background, brief methodology, results and conclusion.

Abstract should be submitted to: manuscript@sobstin.org

	Physical		Virtual	
	Early	Late (On-site)	Early	Late
Registration				
Registration	12,000	15,000	5,000	7,000
Students	25,000	30,000	15,000	17,000
Lecturers/Scientist/Professionals	40,000	45,000	20,000	25,000
Organization/Industries	USD 50	USD 60	USD 10	USD 20
Diaspora				

Payment details:

Account Name: SOCIETY FOR BIOTECH SCIENTISTS IN TER INST IN NIG

Account No: 2333794818

Bank: UNITED BANK FOR AFRICA (UBA)

Prof. M. O. Aremu
LOC Chairman
08038515011

Dr. O. N. Majolagbe
LOC Secretary
08038360759

Prof. T. I. Olabiyl
Host

Prof. R. O. Rom-Kallilu
Chief Host



PLANT BREEDERS ASSOCIATION OF NIGERIA (PBAN)

In Collaboration With

FEDERAL UNIVERSITY OF TECHNOLOGY OWERRI

Announces its

**SECOND
Hybrid Annual
Conference**
and call for papers

LOC Chairman:

Prof. Abraham A. Ngwuta
(Director, Centre for Entrepreneurial Studies, FUTO)
08062390097

HOST:

Prof. (Mrs) Nnenna Nnannaya Oti
(Vice Chancellor, FUTO)

THEME:

**"Renewed Hope for Nigerian
Agriculture: Innovation and
Technology in Plant Breeding
for Sustainable Food Systems"**

Abstract Submission: editor.pban@gmail.com (tag abstract as PBAN-OWERRI2024)

Abstract Processing fee: #5000 to Plant Breeders Association of Nigeria account:

First Bank 2035852546

DATE: Wednesday

6th –Friday 8th November, 2024

Arrival: Tuesday 5th November 2024

VENUE: SAAT Auditorium, Federal University of Technology Owerri.



ALL ROADS LEADS TO MODDIBO ADAMA UNIVERSITY YOLA FOR NSPP 2025!!!

The 50th Annual Conference of the Nigerian Society for Plant Protection (NSPP) will be hosted by Modibbo Adama University, Yola, in 2025. This follows the successful bid presented by Prof. (Mrs.) Malgwi during the 49th conference held at Rivers State University in May 2024. I am pleased to



announce that the University Management has graciously accepted the hosting rights, a decision communicated to the Society through the Local Organizing Committee, chaired by Prof. (Mrs.) Malgwi. The Society extends its sincere gratitude to the University management and encourages all members to plan for this Golden Jubilee conference.



Excitement Sweeps through NSPP as Prof. Ibrahim Becomes Substantive Vice Chancellor of Modibbo Adama University!

The national leadership and members of NSPP buzz with jubilation following the appointment of Prof. Ibrahim as the substantive Vice-Chancellor of Modibbo Adama University, an esteemed member of our Society. The announcement was met with resounding applause from NSPP members, celebrating one of our own reaching such a prestigious leadership role.

In recognition of this monumental achievement, the NSPP Executive Council swiftly penned a heartfelt congratulatory letter to Prof. Ibrahim, wishing him continued success in his new position.

Adding to the excitement, the timing couldn't be more perfect! As we prepare to celebrate the Golden Jubilee conference of NSPP in 2025, having Prof. Ibrahim, a dedicated member of our Society, at the helm of the university hosting our landmark 50th anniversary is truly remarkable. The synergy between NSPP and the leadership at Modibbo Adama University promises to make this upcoming conference an unforgettable milestone in our history!

Important historical places in Adamawa: Mandara mountains, Lamurde hot spring, The Palace of Lamido of Adamawa etc.

