



# PSN 2024 Annual Phytopathological Society of Nigeria

# The Role of Plant Health in Fast-tracking National Development

# Sub-Themes

- 1. Advances in Plant Health Research in Africa
- 2. The Emerging Role of Nanotechnology in Plant Disease Management
- 3. Funding Plant Health Research in a Developing Economy

Venue: Conference Centre, International Institute of Tropical Agriculture (IITA), Ibadan, Nigeria

Date: Monday 22 – Wednesday 24 April, 2024

**Pre-Conference Workshops- Monday April 22, 2024** 

- 1. Nanotechnology Applications to Address Plant Disease and Increase Yield
- 2. The Role of Research Institutes in Fast-tracking Plant Health for Development

PSN 2024 is Proudly sponsor<mark>ed by</mark> PSN, PHCE, BSPP & IITA-Germplasm Health, Virology & Molecular Diagnostic Unit

Please, Note that Attendance of PSN2024 is Strictly by Registration!

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## **Important Dates**

- Pre-Registration (at 20% discount): 29 March, 2024
- Hotel Booking:
- Participating Exhibitors :
- Abstract Submission :

29 March, 2024 29 March, 2024 29 March, 2024

#### **Guidelines for Abstract Preparation**

Use Microsoft Word software to type your abstract and send it to: <u>psn.2024annualmeeting@gmail.com</u>. Abstracts are invited from research scientists on the theme and sub-themes, as well as from other areas of specialization in Plant Pathology. Please send it before 29 March, 2024. Thank you.

Language: Abstracts should be written in English.

Heading: Font size 14 bold, Times New Roman.

Author's name: Font size 11 regular, Times New Roman. Underline presenting author's name, and provide email of the presenting author.

**Address:** Font size 10 regular, Times New Roman. In case there is more than one author coming from different addresses, use 1,2,3 superscripts to denote. Emails should also be included.

**Text:** Font 12 Times New Roman. Abstract should not exceed 250 words (use Word Count facility in Word). Subheadings, figures or references are not allowed. Names of genera or species should be in italics.

#### Format for the submission of abstracts

The title of the paper should be in upper case and centered, followed by name(s) and full postal address(es) of the author(s) including e-mail(s) and phone number(s).

Each Abstract must be accompanied with ten thousand naira (N10,000.00) handling fee made payable to: Union Bank Plc, Ekpoma, Account No: 0019087943, at any branch of Union Bank Plc in Nigeria.

The teller number used for the payment, the date of payment, as well as type of paper (oral or poster), must be indicated on the Abstract page being submitted.

Please note that only accepted abstracts will be published in the Book of Abstracts.

















PSN 2024 Annual Conference, IITA – Ibadan, 22 – 24 April 2024



#### Submission of full paper for publication in the Journal of Phytopathology and Plant Health (ISSN: 2315-9901)

Authors wishing to publish their full papers in the society's journal should consult and abide by the journal's 'Guide to Authors' in the society's website (http://psnnet.hpage.com). Manuscripts should be forwarded as e-mail attachment to the Editor in Chief: <u>npphjournal@gmail.com</u> and the Managing Editor: ipph.managingeditor@gmail.com. Each manuscript should be accompanied with a N15,000 handling fee.

#### **2024 Registration Fees**

Conference Registration	
Members	N20,000.00
Non-members	N40,000.00
Students	N10,000.00
Non-Student members	N20,000.00
<i>Foreign Participants:</i> Europe and America	\$130
Asia and Middle East Other parts of Africa	\$100 \$70

#### **Pre-Conference Workshops/Excursion**

N30,000.00/per workshop (N50,000.00 for both) Members Non-members N40,000.00/per workshop (N70,000.00 for both) Excursion N15,000.00

#### **Thick Workshop of Choice**

1	2
1	2

#### Pre-Registration at 20% discount by 18 March 2024

#### Membership / 2024 Annual Dues

N25,000.00
N15,000.00
N300,000.00
N150,000.00

#### Chapter/Other Societies Membership Options: Northern and Southern Chapters (indicate one)

N10,000.00
,
N1000.00
N200,000.00
N100,000.00

**BSPP** Membership: £50 American Phytopathological Society (APS)

\$15

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IITA

International Association for the Plant Protection Sciences (IAPPS) \$35 (\$30 for student) Please, note that the chapters' fees are in addition to the general fees above

The registration fee covers the cost of a book of abstracts, participation in all sessions (including technical session) and conference materials.

NOTE: Only duly registered participants will be allowed to present papers at the conference. **Methods of Registration and Payment** 

Registration can be done by completing the registration form and forwarding along with payment details to: psn.2024annualmeeting@gmail.com. All foreign participants will be able to register and pay with either bank transfer, debit or credit cards, western union or money gram. All Nigerian participants can pay through the bank. On site registration and payment option will be available to all participants at extra cost.

#### HOTELS

#### INTERNATIONAL INSTITUTE OF TROPICAL AGRICULTURE

INTERNATIONAL HOUSE iita-hotel@cgiar.org Phone - 08055055951, 08034035281 Ext. 2480, 2435

RACK RATES		
WEEKDAY		
ROOM TYPE	AMOUNT	Naira
	(US \$)	
Superior Single (1 person)	50	60,000
Superior Double (2 people)	55	68,040
Single A/C	50	60,000
Twin/Double A/C	55	68,040
1-Bedroom Flatlet A/C (2 people)	60	70,800
2-Bedroom Flatlet A/C (4 people)	70	85,400

Rates include breakfast only. **MEALS** Cafeteria lunch N8,600.00 (\$7) Cafeteria dinnerN8,600.00 (\$7)

## IITA LAGOS IKEJA GUEST HOUSE /SHUTTLE SERVICE TO IBADAN

Our shuttle service and room charges are as follows: IITA Ikeja Guest House to Airport \$70.00

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INITIATIVE ON Plant Health









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IITA Ikeja Guest House to IITA IbadanSingle car \$200, shuttle \$150IITA Ikeja Guest House single room-\$150/nightIITA Ikeja Guest House double room-\$170/nightRATES ARE CURRENT AND MAY CHANGE WITHOUT NOTICE

### University of Ibadan Guest House \$21 - \$48 per night

Telephone: +234 908 400 0022 https://www.uihotels.com

### Cosmos City Suites & Apartments from \$29 per night

Ajibode Primary School Road, Ibadan 200132, Oyo, Nigeria https://www.facebook.com > cosmoscitysuites

#### Adis Hotels Ibadan from \$33 per night

1 Akinsehinwa Street, Ibadan 200285, Oyo, Nigeria•+234 816 933 9395 https://adishotels.com/

#### Enike hotel from \$20 per night

Opposite custom barrack ijokodo, Ibadan, OYO, 200116 Email: icsecum@yahoo.com Website: www.instituteofchurchandsociety.org

#### **Exhibition:**

During the Conference some exhibits will be offered. Laboratory equipment, chemicals, scientific books and journals, plant health information and services, etc., will be presented. Limited space is available for the exhibits. To arrange space for a specific exhibit, please contact the Organizing Committee: (psn.2024annualmeeting@gmail.com).

**IITA Hotel:** IITA, the International Institute of Tropical Agriculture, is located at Ibadan, Nigeria. Much of its 1000-hectare campus is used for scientific research on improving food production in Africa. IITA is one of the 15 Centers of the Consultative Group on International Agricultural Research (CGIAR), dedicated to research and promotion of sustainable agriculture, to obtain food security in developing countries.

A third of the campus consists of unspoiled tropical forest, a natural preserve for birds and other fauna. A lake about 3 km long, developed to provide irrigation water, attracts hundreds of species of resident and migratory birds. The lake has been spawned with various fish species and is a lodestone for anglers. Guides are available for visitors wishing to take a tour of the forest, try their luck at angling in the lake, or watching for rare migrating birds.

I-House, with its 108 well-appointed rooms, spacious dormitory facilities, and a conference hall is an ideal venue for organising workshops, retreats, team building exercises, or a relaxing weekend with the family.

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They can go fishing or just stroll around the lake. Less active visitors can kick back at the pool or in one of our bars. In short, IITA hotel offers the perfect atmosphere for a pleasant experience.

**IITA Conference Centre:** IITA Conference Center is a modern, air-conditioned, well designed and equipped venue with high ceiling and ample parking space, suitable for international conferences, training workshops, seminars, and large meetings. It provides professional and high standard conference management services to diverse special interest groups. It has a comfortable seating capacity for a maximum of 300 persons, and a small business centre with internet access and photocopying and other administrative services. The unique layout allows for flexible seating arrangements. The centre is equipped with a huge screen and powerful presentation projector, public address system, translation booths and recording equipment, print and reprographic machines, display panels, all under a perfect cooling and lighting atmosphere. There are also three small break-out meeting rooms. Each takes up to 10 delegates.

## Highlights of the Conference Program/PSN2024 Awards

- Sunday 21 April 2024: Arrival & PSN Board/Executive/Organizing Committee Meetings
- Monday 22 April 2024: Pre-Conference Workshops
  - **Dr Christian Dimkpa, Chief Scientist,** The Connecticut Agricultural Experiment Station, New Haven, **USA**
  - Dr Wade Elmer, Plant Pathologist/Past Head and Vice Director, The Connecticut Agricultural Experiment Station, New Haven, USA
  - Dr Richardson Okechukwu, IITA Commodity Specialist, IITA Onne, Nigeria
- Tuesday 23 April 2024:
  - Conference Opening Ceremony
  - Keynote/Plenary Addresses on the Theme/Sub-themes
    - Dr Lava Kumar, Head, IITA-Germplasm Health, Virology and Molecular Diagnostic Unit, IITA Ibadan
    - Mr Khalil Suleiman (KSH), The Executive Vice Chairman/Chief Executive, Officer (EVC/CEO), National Agency For Science and Engineering Infrastructure (NASENI), Garki Abuja
    - Dr. MacDonald Aloko, Director, Planning & Policy Analysis, National Agency For Science and Engineering Infrastructure (NASENI), PMB 391, Idu industrial Area, Garki Abuja
    - **Dr Christian Dimkpa, Chief Scientist,** The Connecticut Agricultural Experiment Station, New Haven, **USA**
    - **Dr Wade Elmer, Plant Pathologist/Past Head and Vice Director,** The Connecticut Agricultural Experiment Station, New Haven, **USA**
    - o Dr Richardson Okechukwu, IITA Commodity Specialist, IITA Onne, Nigeria
  - Pod Talks
    - **Prof David B. Collinge, Professor of Plant Pathology/BSPP Past President**, Editor in Chief, CABI Plant Health Cases Head of Section for Microbial Ecology and

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- Biotechnology, Chair PhD board for SCIENCE, University of Copenhagen, Department of Plant and Environmental Sciences, Copehagen, Denmark
- Dr Chris Bell, UKRI Discovery Fellow/BSPP Ambassador, University of Leeds, Leeds, United Kingdom
- Technical / Poster Session
- Exhibitions
  - BSPP, UK
    - PHCE-London, UK
  - Others
- Launching Volume 5 of JPPH and the Volume 3 of JPD
- A PSN Sponsored Poster/Talk Prize by a Student (N50,000)
- A BSPP Sponsored Poster/Talk Prize by an Early Career Researcher (£100)
- Special Lunch
- Annual General Meeting
- Wednesday 24: Departure / Excursion
  - IITA Documentary/IITA Labs/IITA Library
  - University of Ibadan Botanical/Zoological Gardens

# **PSN2024 Major Sponsors**

# Phytopathological Society of Nigeria (PSN)



## http://psnnet.hpage.com

#### Leading the Fight against Plant Diseases in Nigeria

PSN is a scientific organisation devoted to the study of plant diseases and their control. The objectives of our Society are:

1. To encourage and support research and education in plant pathology

2. To promote public awareness of the importance of plant diseases and of the socio-economic benefits of controlling them

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3. To bring together all stakeholders to discuss policies and strategies affecting crop improvement.

The Society, formerly known as the "Nigerian Phytopathological Society (NPS)" was officially inaugurated on October 18, 2011 during the first annual conference on October 17 - 20, 2011 at the International Institute of Tropical Agricultural, Ibadan. The second annual conference followed from September 17 - 20, 2012, at the same venue. The Society was officially incorporated with the Corporate Affairs Commission on April 17, 2013 with incorporation number: CAC/IT/NO 60647.The Society inaugurated/held the first Annual Conference of its Northern Chapter from 12-14 June, 2013 at the Umaru Musa Yar'adua University, Katsina. The University of Ibadan hosted the society for its 2014 Annual conference 13 - 16 October. We are now preparing for our 2024 Annual conference at IITA-Ibadan from 8 - 10 April 2024. PSN seeks to organise scientific meetings such as this annual conference, collaborate with donor agencies to support members travel, student bursaries, short term visiting fellowships fellowship and very creative projects. PSN provides information on latest developments and research advances in plant health science through its journals; the Journal of Phytopathology and Plant Health (ISSN:2315-9901) and the Journal of Plant Disease (ISSN: 2651-5768). PSN seeks to advocate and participate in the exchange of plant health information with public policy makers, and the larger scientific community; and provides opportunities for scientific communication, collaborations, and professional development.

# British Society for Plant Pathology (BSPP)



# https://www.bspp.org.uk/

The British Society for Plant Pathology (BSPP) was founded in 1981 for the study and advancement of plant pathology. The BSPP welcomes members from all over the world and from all branches of plant pathology. We support the professional interests of plant pathologists worldwide and provide information and communicate with our members via a newsletter, website and annual meeting. We organise regular scientific meetings, edit three international pathology journals and make funds available to members for both travel expenses and short term undergraduate and masters level studentships.

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#### The Goals

- 1. A voice for Plant Pathology: Represent our membership on plant pathology issues at both policy level and through increased public awareness.
- 2. A thriving research and knowledge exchange community of plant pathologists: Support Plant Pathology research and enable knowledge exchange and dissemination
- 3. Enhancing the impact of plant pathology: Increase engagement between researchers, policy and practice in plant pathology to enhance impact
- 4. Strengthen BSPP through enhanced membership & diversity: Welcome and empower plant pathologists from all backgrounds, career-stages and corners of the world.
- 5. Promote careers and training in plant pathology: Promote training and career development at all levels and foster a new generation of plant pathologists.

## https://www.bspp.org.uk/funds/travel/ https://www.bspp.org.uk/meet-our-members-page/

## **IITA-Germplasm Health Unit**





# https://www.iita.org/research/facilities/germplasm-health-unit/

**The Germplasm Health Unit (GHU)** in IITA-Ibadan is tasked with maintaining plant health in line with various international standards. It is responsible for implementing the International Plant Protection Convention (IPPC), notices from the Inter-African Phytosanitary Council (IAPSC), NPPOs regulations, and all recommendations from international agricultural research centers. The GHU primarily enables movement of germplasm between countries. It ensures the production of good quality and healthy plants by intercepting and guarding against the introduction of exotic seed-borne pests or races of pathogens. It also prevents the international spread of these pests to Pest Free Areas (PFA) in collaborating countries. The

GHU's activities are broken down into services, research, and matters of compliance. It has two laboratories with several major equipment.

#### **GHU Services**

The GHU inspects and certifies crops in the fields, screenhouses, and containment for multiplication, regeneration, post-entry crop certification, and pre-shipment certification. It performs diagnostic tests on

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plant and seed samples, in collaboration with the Virology Unit, and performs plant and seed treatments. The GHU provides information on the origin of the germplasm and a list of the target pests for which it was inspected or tested for, and any treatments applied on the consignment while in the field or postharvest. The unit obtains import and export documents from the national Plant Quarantine Services (PQS). It registers all import and export consignments at PQS, and delivers and collects consignments. GHU provides diagnostic services to all IITA scientists and scientists from other centres located within the IITA stations. It assists the Genetic Resources Center in health testing rejuvenated germplasm material grown in the screenhouses. The GHU enhances the acceptance of germplasm material derived from IITA mandate crops by providing quick detection and timely reporting of pests on germplasm material destined for international distribution.

#### **Research Mandate**

The GHU conducts some research to determine the pathogenicity of symptoms observed in the fields and puts together the characterization of symptoms. The GHU studies seed treatment tests for the control of seed- borne pathogens as requested by importing countries and also researches pathogenic fungi and bacteria detected on export germplasm in the field and laboratory. The unit works to test the efficacy and evaluation of various fungicides for the eradication of microorganisms on germplasm.

The unit sets tolerance levels for pathogen infection and identifies and determines the causal organisms detected in the field. It looks at the biology and biocontrol of seed-borne pathogens. It determines the nature of the propagules and transmission of seed-borne fungi and bacteria. Finally it is integral in the identification of PFAs for multiplication on each mandate crop.

#### **Compliance to International Regulations**

The GHU guards against the introduction of exotic pests and new virulent forms of existing pests into unaffected countries. The unit helps scientists to safely exchange plant materials by implementing IPPC, IAPSC, and IARC recommendations on plant health standards for the international exchange of germplasm. It ensures that germplasm consignments for export from, or imported to, IITA are neither infested nor infected by pests, in particularly those of quarantine importance. The GHU implements import and export requirements of collaborating countries. Phytosanitary certificates are also obtained from the NPQS by the GHU to cover lines, genotypes, accessions and other crop types distributed to various countries worldwide.

# Plant Health Consults and Events LTD London, UK



# https://planthealthconsults.com/

We are into plant health consultancy, conferences, seminars, workshops, social events, product sales and peer review Journals; to give you joy, love, peace and fulfilment! International mentorship/collaboration..

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### For Further Information: Check our website (http://psnnet.hpage.com) or contact the following:

Dr Sylvester O. Aigbe President, Phytopathological Society of Nigeria (PSN)/PSN2024 Organizing Committee Department of Crop Science, Ambrose Alli University, Ekpoma, Nigeria E-mail: <u>s.aigbe@aauekpoma.edu.ng</u> <u>psn.2024annualmeeting@gmail.com</u>

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