



**THE NIGERIAN ACADEMY OF SCIENCE**

# 2015

ANNUAL REPORT/  
YEAR BOOK





THE NIGERIAN ACADEMY OF SCIENCE

2015  
ANNUAL REPORT/  
YEAR BOOK



Published by The Nigerian Academy of Science  
8A Ransome Kuti Road, University of Lagos, Akoka, Lagos.  
P.M.B. 1004 University of Lagos Post Office Akoka, Yaba, Lagos, Nigeria.  
Tel: +234 808 962 2442 Email: [admin@nas.org.ng](mailto:admin@nas.org.ng)  
Website: [www.nas.org.ng](http://www.nas.org.ng)

© The Nigerian Academy of Science, January 2016

All rights reserved. No part of this book may be reproduced, stored in a retrieved system or transmitted in any form or by any means - electronic mechanical, photocopy, recording, or otherwise - without the prior permission of the copyright owner, The Nigeria Academy of Science



Professor Oyewale Tomori, FAS  
President

## Message from the President

Nigeria entered 2016 with hope, following the changes in the political structure of the country.

Hope alone, without a positive change of attitude, usually ends in hopelessness. We are already seeing that unless we address and find solutions to those basic issues of development, unless we move the issue of science and technology from the speeches from the podium of conference halls to the street kiosks of positive action, we will not succeed in using science and technology as the instrument and catalyst for improving the socioeconomic advancement of the citizens of Nigeria. Indeed, the future is likely to be worse off than the past or the present.

Let us start with the ongoing outbreak of Lassa fever in Nigeria. It was reported that the outbreak began in August 2015, and had spread to 17 states with an estimated death toll of 62 of 212 suspected cases. Remember we had 20 cases and 8 deaths from Ebola Virus Disease in 2 states. One would have thought that we learnt important lessons from the Ebola outbreak of 2014, but it now looks as if we did not learn much from the outbreak and that the success we recorded could be described as unusual for Nigeria, and a "fluke" occurrence. And to think that Nigeria provided 1.9 billion naira for the Ebola outbreak and related issues. A more in depth consideration of our efforts in combatting Ebola showed that the improvement expected and the laying of a solid and sustainable foundation for disease surveillance, prevention and control went with the euphoria of Ebola success.

It is in the light of our post Ebola performance that we must view the future of science and technology in Nigeria. True, we now have a new government whose daily sermon is CHANGE, True indeed, we now have a new Minister of Science and Technology who is showing evidence of working to place science and technology as instruments for national development, it is imperative that the Academy must work with the new government and the new Minister to ensure that the change does not end as previous transformation attempts.



As an Academy, we must continue to remind the government of the highlights of the outcome of the Science Summit held in 2015, and attended by representatives of 36 science associations in Nigeria. These are that:

- ◆ Science, Technology, and Innovation are fundamental to development, peace, and progress in Nigeria. They constitute the engine for economic growth and prosperity. Nigeria's myriad of social, economic, political, infrastructural and cultural challenges can be ameliorated through the use of advancements in science and technology
- ◆ The government should adopt a fresh and positive attitude to STI, realizing that the categorization of nations as developed, developing, or under-developed is largely based on the level of scientific and technological development
- ◆ The Minister of Science and Technology should be a member of the National Economic Management Team
- ◆ The Presidential Council on Science, Technology, and Innovation (PCSTI) should be backed by law and chaired by the President and Commander-in-Chief of the Armed Forces of Nigeria, with service-wide representation in its composition. Its report should be part of the President's annual address to the National Assembly
- ◆ A National Science Foundation should be urgently established, backed by law, and managed by the PCSTI

The Academy as well as scientists in Nigeria, must interact and engage the three arms of government- (executive, legislative, and judiciary) - in increasing awareness of the role, and benefits of science for national development and social wellbeing. Only then can we have the successful implementation of the national science policy and the desired socioeconomic transformational change we need in Nigeria



## 1.0 THE NIGERIAN ACADEMY OF SCIENCE

**T**he Nigerian Academy of Science (NAS) is the foremost independent scientific body in Nigeria. It was established in 1977 (but incorporated in 1986). NAS is dedicated to the development and advancement of science, technology, and innovation in Nigeria. It is uniquely positioned to bring scientific knowledge to bear on the policies/strategic direction of the country.

NAS is a national not-for-profit organisation with membership comprising 161 Fellows-elected through a highly competitive process, who have distinguished themselves in their fields both locally and internationally. Some of its members have served as Vice-Chancellors of universities, Directors-General of government parastatals and Ministers in federal ministries. NAS with its combination of expertise and independence, is uniquely positioned to bring scientific evidence to bear on policies and program implementation in the country. Given its clout, also has the ability to attract other experts from around the country and internationally when required.

NAS represents Nigeria on such bodies as the ICSU (International Council for Science) - the umbrella body for all science associations and unions; and the IAP (Inter-Academy Panel) - the umbrella body for all national science academies globally. NAS is also an Executive Committee member of both the IAMP (Inter-Academy Medical Panel) and the NASAC (Network of African Science Academies).

Some recent accomplishments of NAS include: (1) the development of a training manual on getting research into policy and practice; (2) the organization of an international conference on climate change in Lagos (3) implementation of a project on linking agriculture and nutrition (4) the organization of a national consensus building workshop on the prevention of maternal and child mortality in Nigeria, and (5) convening a roundtable meeting to discuss the issues related to the Ebola Virus Disease epidemic that recently affected the country and the West African region.

### 1.1 Vision

An improved quality of life for the Nigerian society through the promotion and application of science and technology

### 1.2 Mission

To strengthen the nation's ability to deliver the fruits of science to society by the acquisition, growth, and dissemination of sound scientific knowledge and facilitation of its use in the solution of major national problems. The Academy does this by:

- Providing advice on specific problems of a scientific or technological nature presented to it by the government and its agencies, as well as by private organizations;
- Bringing to the attention of the government and its agencies problems of national interest that science and technology can help solve; and
- Establishing and maintaining the highest standards of scientific endeavour and achievement in Nigeria through the: organization of conferences, seminars, workshops, and symposia publication of journals and reports; recognition of outstanding contributions to science in Nigeria through awards and prizes; development of a working relationship with other national



and international scientific bodies and academies; organization of panel studies to advice on pertinent scientific issues

#### 1.4 Core Values

The core values of the Academy include the following:

- merit
- pursuit of excellence
- credibility
- volunteerism
- service orientation
- evidence-based hallmark
- relationship-building
- commitment

## 2.0 NAS GOVERNANCE/MANAGEMENT

### 2.1 The 39th Council (January 2015 - January 2016)



Professor Oyewale Tomori, FAS  
The President. Professor of Virology



Professor Mosto Onuoha, FAS  
The Vice President. Professor of Pure and  
Applied Geophysics at the University of Nigeria, Nsukka.



Professor Soga Sofola, FAS  
The Treasurer, Professor of Physiology at the College  
of Medicine, University of Lagos, Idi-Araba, Lagos.



Professor Domingo Okorie, FAS  
The Academic Secretary, Physical Sciences.  
Professor of Chemistry at the University of Benin.





**Professor Temitayo Shokunbi, FAS**  
The Academic Secretary, Biological Sciences. Professor of  
Anatomy and Consultant Neurological Surgeon at  
the University College Hospital, University of Ibadan, Oyo State



**Professor Andrew Jonathan Nok, FAS**  
The Public Affairs Secretary. Professor of Biochemistry and  
Commissioner for Health, Kaduna State



**Professor Olaitan Soyannwo, FAS**  
The Foreign Secretary. Professor of Anaesthesia.  
Director, Centre for Palliative Care Nigeria.



**Professor Paul Okonkwo, FAS**  
The Chairman, Publications Committee. Professor  
of Molecular and Ethnopharmacology at the  
University of Nigeria, Enugu Campus, Enugu State.



**Professor Olusegun Oke, FAS**  
Representative, Physical Sciences.  
Professor of Nutritional Chemistry.



**Professor Babajide Alo, FAS**  
Representative, Physical Sciences. Professor of Organic and  
Environmental Chemistry/ Deputy Vice-Chancellor (Academics)  
at the University of Lagos, Yaba, Lagos State.



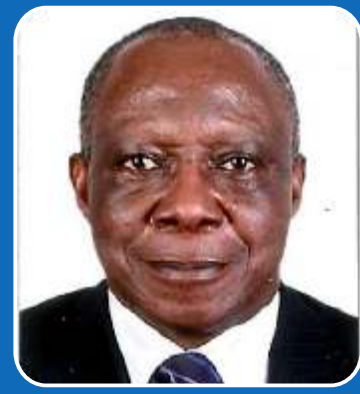
Professor Ephraim Okon, FAS  
Representative, Physical Sciences. Professor of  
Electrical Engineering. Chairman/CEO of  
Apex Services Ltd, Abuja.



Professor Ikenna Onyido, FAS  
Representative, Physical Sciences. Professor of  
Mechanistic and Bioorganic Chemistry at the  
Nnamdi Azikiwe University, Awka, Anambra State.



Professor Olusegun Ekundayo, FAS  
Representative, Physical Sciences. Professor of  
Chemistry at the University of Ibadan, Oyo State.



Professor Timothy Obi, FAS  
Representative, Biological Sciences. Professor of  
Veterinary Medicine at the College of Veterinary  
Medicine, University of Agriculture, Makurdi, Benue State.



Professor Babatunde Onadeko, FAS  
Representative, Biological Sciences. Professor of Respiratory  
Medicine at the University of Ibadan, Oyo State.



Professor Emmanuel Anosike, FAS  
Representative, Biological Sciences. Emeritus  
Professor of Enzymology/Protein Chemistry at  
the University of Port-Harcourt, Rivers State.





Professor Sunday Atawodi, FAS  
Representative, Biological Sciences,  
Professor of Biochemistry



Professor Martin A. C. Aghaji, FAS  
Representative, Biological Sciences. Professor  
of Cardio-Thoracic Surgery



Professor Oye Ibidapo-Obe, FAS  
The Immediate Past President. Professor of Systems  
Engineering at the University of Lagos, Akoka Yaba/  
Vice-Chancellor, Federal University, Ebonyi State.

## 2.2 The Fellowship

The Academy's Fellowship comprises both male and female scientists with diverse expertise covering all fields of science, including engineering and medicine.

The Nigerian Academy of Science is merit-based and the growth of the Fellowship is limited by the rate of accretion. To be elected, a scientist has to be nominated by a Fellow of the Academy, and such nomination must also be endorsed by three other Fellows. Subsequently, an appropriate Sectional Committee of the Academy assess the nominations received, based on the candidates' fields of expertise. The Committee then recommend candidates to the Council for possible shortlisting. Council prepares the final short list of candidates that would then be presented for election. The top ten candidates, with at least 50% of total votes cast, would be deemed elected.

In 2015, there were 16 new Fellowship nominations received while there were 18 rollover nominees from the January 2015 elections. These were duly considered by the Sectional Committees and the Council. 19 candidates were shortlisted for election at the January 2016 AGM of the Academy.



### 2.3 The Secretariat

The Academy operations are coordinated by its secretariat which is based at the Academy House, 8A Ransome Kuti Road, University of Lagos Campus, Akoka-Yaba, Lagos State. Staff members at the secretariat at the end of 2015 are:

Dr. Oladoyin Odubanjo	-	Executive Secretary
Mrs. Scholastica Lan	-	Program Manager
Mr. Samuel Shofuyi	-	Assistant Administrative Manager/Finance Associate
Miss Gertrude Ogiegua	-	Project Officer (Development)
Dr. Kikelomo Ogunsulire	-	Project Officer
Miss Anjola Olanipekun	-	Project Officer
Miss Mobolaji Dasaolu	-	Administrative Officer (Communications)
Mr. Nicholas Ibeh	-	Administrative Officer
Mrs. Ifeoluwa Edawole	-	Administrative Officer
Mr. Etim Idongesit	-	Office Assistant



L-R: Dr. Oladoyin Odubanjo, Executive Secretary, NAS, Professor Awele Maduemezia, FAS, past president, NAS, Professor Mosto Onuoha, FAS, Vice President, NAS, Professor Gabriel Ogunmola, FAS, past president, NAS, Professor Oyewale Tomori, FAS, President, NAS, Professor Steven Owa, President, Science Association of Nigeria (SAN), Professor Iyiola Fawole, past president, SAN, Dr. Adeniyi Ogunjobi, SAN, Dr. Hamza Abba, SAN at a courtesy visit of members of Science Association of Nigeria to the NAS secretariat



### 3.0 Highlights of 2015 Events

This section provides a brief overview of some key events, involving the Academy, during the course of 2015.

#### 3.1 The Academy's 39th Annual General Meeting

The Nigerian Academy of Science was inaugurated in 1977 and has 42 Foundation Fellows. On Thursday the 29th of January 2015, Fellows came together in Lagos to hold the Academy's 39th Annual General Meeting.

At the AGM, the Academy's 39th Council was constituted. The members of Council are: Professor Oyewale Tomori - President; Professor Mosto Onuoha - Vice President; Professor Olusoga Sofola - Treasurer; Professor Domingo Okorie - Academic Secretary, Physical Sciences; Professor Temitayo Shokunbi - Academic Secretary, Biological Sciences; Professor Andrew Nok - Public Affairs Secretary; and Professor Olaitan Soyannwo - Foreign Secretary.

Others also to serve on council are Professor Olusegun Oke, Professor Olusegun Ekundayo, Professor Ephraim Okon, Professor Babajide Alo, Professor Ikenna Onyido, as Representatives, Physical Sciences; Professor Timothy Obi, Professor Babatunde Onadeko, Professor Emmanuel Anosike, Professor Sunday Atawodi, and Professor Martin Aghaji, as Representatives, Biological Sciences; Professor Paul Okonkwo FAS, Chairman, Publications Committee; and Professor Oye Ibidapo-Obe FAS, Immediate Past President.

Also at the AGM, 10 distinguished scientists were elected as Fellows of the Academy. They are: Professor Oluwole Akinyele Agbede, Professor Uche Veronica Amazigo, Professor Oluwole Babafemi Familoni, Dr Kehinde Oluwatoyin Ladipo, Professor Emmanuel Ndubisi Maduagwu, Professor David Mba, Professor Jude Uzoma Ohaeri, Professor Sunny Edet, Professor Olufunmilayo Falusi-Olopade, and Professor Jariath Udoudo Umo. Nine of the elected scientists were inducted at a ceremony held in Abuja on Thursday, 14th of May, 2015.



Fellows of The Nigerian Academy of Science at the Annual General Meeting held in January, 2015





### 3.2 NAS meets with the Science Association of Nigeria

Following several years of little or no formal interaction between the Science Association of Nigeria (SAN) and the Nigerian Academy of Science (NAS), a team from SAN was hosted at the secretariat of NAS on Monday the 26th of January 2015. At hand to receive the SAN team were the NAS President, Professor Oyewale Tomori FAS, NAS Vice President, Professor Mosto Onuoha FAS, NAS Past Presidents, (Professor Awele Maduemezia FAS, Professor Gabriel Ogunmola FAS) and the Executive Secretary, Dr. Oladoyin Odubanjo. The representatives of SAN were Professor Stephen Owa (President), Professor Iyiola Fawole (Past President), Dr. Adeniyi Ogunjobi (Secretary), and Dr. Hamza Abba (Council Member).

The meeting was convened as part of efforts to strengthen the NAS-SAN relationship and discuss collaboration between the two entities, especially with regards to a proposed National Science Summit in May 2015. During the meeting, the historical relationship between both organizations was discussed and it was agreed that a functional relationship between NAS and SAN is paramount in achieving the advancement of science and technology in Nigeria. Plans for the Science Summit were discussed as well as steps for improved collaboration between the two bodies.

### 3.3 "EVD in Nigeria: Staying out of the woods..."

The Nigerian Academy of Science held a round-table meeting on the 27th of January, 2015 at the Protea Hotel Ikeja-Lagos. The theme of the meeting was "the Ebola Virus Disease (EVD) in Nigeria: Staying out of the woods, avoiding traps, and preparing for future Ebola and other outbreaks". The objectives of the meeting were (1) to convene some of the key players during the EVD outbreak in Nigeria to discuss and document the critical factors responsible for, and lessons learnt from, the successful containment of the EVD outbreak in the country, and (2) use these to propose recommendations necessary for improving the Nigerian health system, especially in the area of disease surveillance and response; to ensure that as a country, we are better prepared for similar occurrences in the future, with better results.



Participants at the Roundtable on Ebola Virus Disease held in Lagos

Speakers at the meeting were mainly those who played prominent roles during the outbreak both on and behind the scenes. These included the President of NAS, Professor Oyewale Tomori FAS; the Commissioner for Health in Lagos State, Dr. Jide Idris; the MD/CEO of the First Consultants Hospital Obalende (where the index case was treated), Dr. Benjamin Ohaeri; the Director-General of Nigeria Centre for Disease Control, Dr Abdulsalami Nasidi; the Director of Disease Control at the National Primary Healthcare Development Agency, Dr. Emmanuel Abanida; among others. Also present was the first Nigerian to be diagnosed, treated, and discharged from the Ebola Treatment Centre in Lagos, Dr Ada Igonoh. They shared with the audience what really happened during the outbreak, and the steps taken to successfully combat the dreaded disease. They also addressed issues that could have been handled better. Participants included the media, non-governmental organizations such as the WHO, Wellbeing Foundation Africa, officials of the state and federal ministries of health, as well as other representatives of other stakeholder groups.

The meeting provided an independent platform that allowed for frank discussions among the participants. Following very successful deliberations, the President of the Academy promised that



there would be a published meeting report which would document all that went on during the outbreak to ensure the successful containment of the EVD scourge in Nigeria. (Please visit [www.nas.org.ng](http://www.nas.org.ng) to download report)

### 3.4 Public lecture on 'Drug production efforts in Nigeria'

In line with its tradition, NAS organised a public lecture titled 'Drug production efforts in Nigeria 2: Anti-cancer remedies emerge through herbs, chemistry, and biology'. This event was held in Lagos on Wednesday, 28th of January, 2015; and the lecture was delivered by Professor Joseph Okogun FAS, an Emeritus Professor at the Department of Chemistry, University of Ibadan.

Professor Okogun FAS discussed the importance of history as a study in human affairs and actions because the results of research and achievements have their roots in history. He mentioned the need and benefits of studying the chemistry of plant extracts as enunciated by Professor C.W.L.

Bevan; who is the "father of natural products chemistry". Professor Joseph Okogun FAS said "National cum global history as a subject should be returned to the curricula at all levels of education". Nigeria is not in a position to develop drugs from active principles. He said Nigeria has to import most of her healthcare delivery drugs at great costs but can set up to develop herbal drugs from her rich bioflora and ethnomedicines. Professor Okogun FAS, in his lecture, outlined the rational formulation of herbal remedies.

### 3.5 Ekiti State Deputy Governor hosts NAS

A delegation of the Nigerian Academy of Science was hosted by the Deputy Governor of Ekiti State, Dr Kolapo Olusola, on the 24th of February, 2015. The purpose of the meeting, which was held at the conference hall of the Deputy Governor's Office in Ado-Ekiti, was to engage with the new government of Ekiti State, establish rapport, and brief the government about the ongoing youth development project the Academy has with the state. An overview of the NAS Youth Development and Reproductive Health Project was presented during the advocacy visit. It was also explained that NAS had conducted a needs assessment study in the state and developed an accompanying strategic plan.

Dr Kolapo Olusola in his speech thanked the Academy for the visit. He stated that the project's objectives are in line with the six-point agenda of the state government. He noted that the Ekiti State government is committed to empowering the youth and will therefore work with NAS to achieve this feat.

The Deputy Governor gave assurances that, following the visit, the project would be endorsed by the state and all necessary support would be given to the Academy.



L-R: Professor Oladipo Aina, FAS, Professor Akinyinka Omigbodun, FAS, Dr. Oladoyin Odubanjo, Executive Secretary, NAS, Mrs. Olabisi Akindele, permanent secretary, Deputy Governor's office, Dr. Kolapo Olusola, Deputy Governor, Ekiti State, Professor Fola Esan, FAS, Professor Adeyinka Afolayan, FAS, Dr. Folakemi Olomojobi, Permanent secretary, Ministry of Health, Ekiti State, Mr. Kola Ajumobi, permanent secretary, Ministry of Information, Ekiti State at the public presentation held in Ekiti State





### 3.6 NAS holds Annual Luncheon for Science Journalists

This year's annual luncheon for science journalists was a grand event held at the Executive Hall, Protea Hotel, Isaac John Street, Ikeja, Lagos State on Thursday, 7th of May, 2015.

Mr. Akinlabi Jimoh, a former Anglophone coordinator for World Federation of Science Journalists, was the keynote speaker at the event. He spoke on the topic 'The role of the media in the advancement of science in a political era'. Mr. Akin Jimoh said that both journalists and scientists devote considerable energy to guard against misconceptions and misleading information in a political era. He explained that science is not only practiced just for science sake but to advance knowledge and enhance life. Mr. Jimoh emphasized the need to build a strong communication units, in science institutions, that are charged with the dissemination of key research findings, through a structured approach, to the media and general public.



L-R: Mr. Paul Nwulu, Ford Foundation, Professor Kaoje Abubakar, FAS, former Minister of Science and Technology, Dr. Josephine Okei-Odumakin, President, Women Arise for Change Initiative, Dr. Leke Pitan, IHF special advisor for Africa, Professor Oyewale Tomori, FAS, President, NAS, Mr. Adeyeye Joseph, Member, panel of judges, keynote speaker, Mr. Akin Jimoh, former Anglophone coordinator, World Federation of Science Journalist at the annual luncheon for science journalists held in Lagos



L-R: Mr. Paul Nwulu, Ford Foundation, Ms. Jennifer Igwe, runner-up, broadcast category, Professor Kaoje Abubakar, FAS, former Minister of Science and Technology, Ms. Vivienne Irikefe, winner, science journalist of the year 2014 (broadcast category), Dr. Oladoyin Odubanjo, Executive Secretary, NAS, Dr. Leke Pitan, IHF special advisor for Africa, Ms. Folasade Adebayo, winner, science journalist of the year 2014 (print category), Professor Oyewale Tomori, FAS, President, NAS, Dr. Josephine Okei-Odumakin, President, Women Arise for Change Initiative, Mr. Kunle Falayi, runner-up, print category, Mr. Adeyeye Joseph, Member, panel of judges, keynote speaker, Mr. Akin Jimoh, former Anglophone coordinator, World Federation of Science Journalist after presentation of awards to the winners of the NAS Science Media award

Also, at the luncheon, the Nigerian Academy of Science awarded Miss Folasade Adebayo of Punch Newspaper the prize of Science Journalist of the Year 2014 (Print Category) and Miss Vivienne Irikefe of TVC the prize of Science Journalist of the Year 2014 (Broadcast Category). Miss Adebayo's entry was titled "A walk through the valley of ebola: Nigerian health workers take battle to the lion's den" while Miss Irikefe's entry was titled "Ebola in Nigeria, land borders remain porous". The prizes comprised of a plaque, a computer tablet, and two hundred thousand naira each.

Mr. Kunle Falayi of Punch Newspaper and Ms. Jennifer Igwe of the NTA were the runners-up for the print and broadcast categories respectively. Mr. Falayi's entry was titled "Lagos residents at risk from contaminated water part 1&2", and Ms. Jennifer Igwe's was titled "Ebola alert vs love for bush meat". They received a computer tablet and fifty thousand naira each.

The entries were assessed based on creativity, originality, relevance, research, language, angles/areas covered, understanding of the subject, and information to educate.



Some special guests at the Annual Luncheon for Science Journalists held in Lagos



The winners, in their respective responses, thanked the Academy for encouraging them in their pursuit in attaining excellence in science journalism and urged other science journalists to send in their entries for future awards.

In attendance at this ceremony were Professor Oyewale Tomori FAS, President of The Nigerian Academy of Science, Professor Abubakar Ka'oje FAS, former Minister of Science and Technology, Dr. Leke Pitan, IHF Special Advisor for Africa, Dr. Josephine Okei-Odumakin, President of Women Arise for Change Initiative, and journalists from different media houses in Nigeria

### 3.7 Academy hosts National Science Summit

Representatives of various national science associations gathered together, on the 12th and 13th of May, 2015 at Reiz Continental Hotel, Abuja, under the aegis of the Nigerian Academy of Science (NAS) and the Science Association of Nigeria (SAN) to formulate strategies for improving scientific research and innovation in Nigeria, strengthen and build the capacity of science associations in Nigeria, as well as foster collaboration among national science associations and other key stakeholders for national development.



Participants at the Science Summit Workshop held in Abuja

Some of the presentations at the meeting focused on the relationship between science and various aspects of society including media, industry, economy, education, and the social sciences. The role of various stakeholders in ensuring the advancement of science, technology, and innovation (STI) in Nigeria was discussed at the meeting. The meeting also sought to examine the current state of various disciplines of science in Nigeria; focusing on challenges and recommendations for moving forward.

Participants, which included Professor Turner Isoun FAS, (former Minister of Science and Technology) noted that that STI should be the mainstay of the economic drive of the incoming government and the Presidential Council on Science, Technology, and Innovation (PCSTI) should be backed by law and chaired by the President of Nigeria, with service-wide representation in its composition.

### 3.8 NAS holds Public Lecture & Induction of Fellows

The Academy added to its membership on Thursday, 14th of May, 2015 at Reiz continental hotel, Abuja when it inducted nine distinguished scientists as Fellows of the Nigerian Academy of Science. The scientists were elected at the Academy's Annual General Meeting held in January, 2015.

The said scientists are:

- Professor Oluwole Akinyele Agbede FAS - A professor of water resources/geotechnical engineering at the University of Ibadan. He obtained a Ph.D in civil engineering from The City University, London in 1985. He is presently the Director, Directorate of Quality Assurance at the University of Ibadan



L-R: Professor Oye Ibidapo-Obe, FAS, Immediate past president, NAS, Professor Gabriel Ogunmola, FAS, past president, NAS, General Theophilus Danjuma, Mrs. Ngozi Okonjo-Iweala, former Minister of Finance listening to the public lecture held in Abuja





- Professor Uche Veronica Amazigo, FAS - A professor of medical parasitology and a public health specialist. A visionary leader in tropical parasitic disease control, research and community - directed health interventions. She is one of the few female Africans to ever head a UN agency. She holds a Ph.D from Vienna University (Austria), DTM&P from Bernhard - Nocht Institute of tropical medicine (Germany), and was a Takemi Fellow at the Harvard School of Public health (USA). She won the highly competitive and prestigious Prince Mahidol Award 2012 in public health



Cross section of newly inducted Fellows listening to the public lecture in Abuja

- Professor Oluwole Babafemi Familoni FAS - A professor of chemistry at the University of Lagos. He specializes in synthesis of sulphur-containing heterocycles with physiological activities and natural product chemistry - isolating active ingredients as potential remedy to several diseases. He is a member of the governing council of the Institute of Chattered Chemists of Nigeria (ICCON)

- Doctor Kehinde Oluwatoyin Ladipo, FAS - Graduated with a 2nd Class (Upper) degree

from the University of Ibadan in 1975 and obtained a Ph.D in 1982 from the University College Swansea, UK. A major contributor to our understanding of the geology of the upper cretaceous of south eastern Nigeria, he has published several highly quoted papers in addition to field guide books that are used by the universities and petroleum industry in Nigeria. Dr. Ladipo is currently the Director of the Center of Excellence in Geosciences and Petroleum Engineering Studies, University of Benin.



Group picture with newly inducted Fellows after the public lecture in Abuja

- Professor Emmanuel Ndubisi Maduagwu, FAS - A professor of biochemistry at the University of Ibadan. He presently works at Covenant University. He obtained his BSc. and PhD degrees from the University of Ibadan in 1972 and 1976 respectively. He was the first to uncover an



unknown biochemical mechanism in nitrosamine toxicology (Adeleke et al., 2014, *Elixir Appl. Chem.* 71:25079-25085)

- Professor David Mbah, FAS - A professor of mechanical engineering at the University of Lagos. In 2010, he won the 'Ludwig Mond' Prize in recognition of the best contribution to the progress of mechanical engineering of interest to the chemical industry (UK). He currently lectures at the University of Lagos and the Nigerian Air Force Institute of Technology, Kaduna.
- Professor Jude Uzoma Ohaeri FAS - A professor of medicine and consultant psychiatrist at the University of Nigeria. Although his predominant research interest is in the area of psychopathology, he has led studies in epidemiology, substance use disorders, social psychiatry, medical education, and biological psychiatry; resulting in log scientific publications. He is currently the Head of Department of Psychological Medicine at the University of Nigeria, Enugu State.
- Professor Sunny Edet Ohia FAS - A professor of pharmacology. His scientific accomplishments have been in three major areas: Understanding the pharmacological consequences of oxidative stress in the eye, identification of novel chemical entities with pharmacological actions on ocular tissues, and identification of the mechanism of appetite - suppressing action of a novel extract of (-)-hydroxycitric acid. He currently works at the Texas Southern University, Houston, USA.
- Professor Jarlath Udoudo Umoh FAS - A professor of veterinary public health/veterinary medicine at the Ahmadu Bello University, Zaria. By studying the dissemination of rabies virus in tissues, he developed the use of skin biopsy for in vitro diagnosis of rabies. He is currently the principal investigator, MacArthur Foundation-funded Center of Excellence in Veterinary Epidemiology; and Provost, College of Veterinary Surgeons, Nigeria.

As a norm, the induction ceremony was preceded by a public lecture organized by the Academy titled 'The mining of Nigerian medicinal plants for cancer therapy'. This was delivered by Professor Isa Marte Hussaini FAS. Prof Hussaini is a Professor of Pharmacology at the University of Maiduguri, Nigeria. Participants at the lecture & induction of Fellows included General T.Y. Danjuma, President, T.Y. Danjuma Foundation, Dr. Ngozi Okonjo-Iweala, Honourable Minister of Finance, Professor KS Gamaliel (Director General, National Institute for Pharmaceutical Research and Development), and Dr. Paul Orhii (Director-General, National Agency for Food and Drug Administration and Control).

### 3.9 NAS continues collaboration with Schlumberger

The Nigerian Academy of Science continued its collaboration with Schlumberger in the 2015 Schlumberger Excellence in Educational Development (SEED) schools science project challenge exposition. The SEED project, which is in its third year, was held on the 30th of November 2015 at the Federal Palace Hotel, Grand Marquee, Victoria Island Lagos. The event was the culmination of a year-long process which began in January aimed at inspiring students to apply



Professor Babafemi Familoni, FAS making a comment at the SEED schools science project challenge and exposition held in Lagos





R-L: Professor Soga Sofola, FAS, Dr. Sunny Kuku, FAS, Professor Babafemi Familoni, FAS at the SEED schools science project challenge and exposition held in Lagos

knowledge gained in Science, Technology, Engineering, and Mathematics (STEM) subjects in solving relevant societal problems. The Academy's immediate past-President, Professor Oye Ibidapo-Obe FAS gave the keynote address on 'The place of science and automated systems and the role and responsibility of scientists in solving problems of the future'. In attendance, among other participants, was Dr. Sonny Kuku, FAS who was the special guest of honour. Fellows of the Academy who served on the panel of judges are Professor (Mrs.) Peace Babalola FAS, Professor Oluwole Familoni FAS, and Dr. Kehinde Ladipo FAS. The panel adjudged Redeemer's International Secondary School, Maryland (Lagos State) winner of the 2015 challenge for their 'Bio-degradable termicide' project. UPSS Benin, Benin City (Edo State) and Niger Delta Science School Rumuola, Port-Harcourt (Rivers State) were adjudged second and third prize winners respectively.

### 3.10 NAS trains surveillance officers in Ogun State

On Wednesday, the 30th of June, 2015, a training workshop for surveillance officers in Ogun State was held at the Green Legacy Resort, Abeokuta, Ogun State. The Nigerian Academy of Science (NAS), in collaboration with the Ogun State Ministries of Health and Agriculture, convened the Ogun State Health Capacity Building (OSHCB) training workshop organized for surveillance officers in the state.

The meeting also fostered collaboration between the two ministries in the pursuit of a 'One-Health' paradigm. The training featured presentations by experts on the existing biosafety and biosecurity policies and practices in Ogun State, tools for animal and human disease surveillance, and steps for achieving 'One Health'.



Cross-section of participants at the Ogun State Health Capacity Building Project Training Workshop held on Tuesday, 30th of June, 2015 at the Green Legacy Resort, Olusegun Presidential Library, Abeokuta, Ogun State



L-R: Dr. Dotun Sorunke, Director, Veterinary Services, Ogun State Ministry of Agriculture, Professor Gabriel Ogunmola, FAS, Past President, The Nigerian Academy of Science, Dr. Oladoyin Odubanjo, Executive Secretary, The Nigerian Academy of Science, Dr. Quudus Yusuff, Director of Public Health, Ogun State Ministry of Health at the Ogun State Health Capacity Building Project Training Workshop

Some of the recommendations at the OSHCB training workshop was that biosafety and biosecurity should be institutionalized in Ogun State, there should be regular communication between the state's Ministries of Health and Agriculture, and the roles of stakeholders in the State's surveillance frameworks should be clearly defined to prevent duplication of efforts and misunderstanding.

An evaluation meeting was held on Tuesday, 18th of August 2015 at the Green Legacy Resort.

An evaluation questionnaire was administered to get feedback from the participants on the effects of the

training on their work. The participants said that safety precautions which were generally overlooked in the past were now strictly adhered to and viewed as important





### 3.11 Public Presentation of Youth Development Strategic Plan in Nasarawa

In pursuit of its desire to work with relevant stakeholders to address social development and reproductive health issues of the youth, the Academy has been engaged with the governments of Ekiti and Nasarawa states. The two-year project culminated in the launching of the "Development of the Livelihood and Life Skills of The Youth in Nasarawa State of Nigeria: A Strategic Plan"; and "Assessing the Social and Reproductive Health Needs Of The Youth in Nasarawa State: Report Of A Survey" at TA'AL Conference Hotel, Lafia, Nassarawa State on Thursday 13th August, 2015.

The Academy delegation led by the President, Professor Oyewale Tomori, FAS (Project Liaison Officer) was received by the Governor of Nasarawa State, Alhaji Umaru Tanko Al-Makura. Governor Al-Makura launched the project documents and urged other states to use these as templates for the development of the youth in Nigeria.



Governor of Nasarawa State, His Excellency, Alhaji Umaru Tanko Al-Makura (4th left) making a public presentation of the youth development strategic plan at Ta'al Conference Hotel, Lafia, Nasarawa State on Thursday, 13th of August, 2015



Governor of Nasarawa State, His Excellency, Alhaji Umaru Tanko Al-Makura receiving Professor Ekanem Braide, FAS and Professor Oyewale Tomori, FAS at Ta'al Conference Hotel, Lafia, Nasarawa State

Other participants from the Nasarawa State government included the Secretary to the State Government, Hajia Zainab Ahmed, the Head of Service, Permanent Secretaries from Nasarawa State Ministries of Information, Health, Women Affairs, and Youth & Sports. There were over 120 participants all together, drawn from the office of the Governor, officials from the MDAs, CSOs, religious organizations, NGOs, youth council, teachers, students, journalists, and members of the public. The project was funded by Ford Foundation.

### 3.12 Engaging the Media on Youth Development

On Friday, 28th of August 2015, The Nigerian Academy of Science (NAS) held a roundtable meeting at the Banquet Hall of the Sheraton Hotel and Towers, Ikeja Lagos to engage journalists about issues bothering on youth/social development and reproductive health. Published project reports from the project implementation activities carried out in Ekiti and Nasarawa states were publicly presented and disseminated at the meeting.

Dr. Ibilola Amao, CEO Lonadek/Youth Empowerment & Restoration Initiative gave a keynote address titled 'Investing in youths and building their capacities-pathway for national transformation' She suggested that the use of meritocratic youth award systems in Nigeria, as well as partnership through cooperation, collaboration, and coordination of youth-based activities at district and local government level is urgently required. She reiterated that "the youth are our hope to create a brighter future", therefore priority must be placed on Science, Technology, Engineering and Mathematics



(STEM) education. Dr. Amao further advised that focus should be on energy, power, and infrastructure to meet domestic and international needs.

The interactive meeting had participants from different media organizations in Nigeria.

### 3.13 NAS announces winners for the AU-TWAS Young Scientists National Award

Dr. Okunola Alabi, a microbiologist and lecturer at the Babcock University, Ilisan, Ogun State and Dr. Moses Emetere, a theoretical physicist; and lecturer at Covenant University, Ota, Ogun State emerged the winners of the 2015 AU-TWAS Young Scientists National Award in Nigeria. They won the Basic Sciences, Technology & Innovation and Earth & Life Sciences categories respectively.

The award, which is in its fifth year, is administered by NAS in collaboration with the Federal Ministry of Science and technology, African Union (AU) and the Academy of Science for the Developing World (TWAS). The winners are given \$5000 cash each and a certificate of recognition. The winners were presented with their prizes at a ceremony on Wednesday, 9th of September, 2015 at the Federal Ministry of Science and technology, Abuja.



L-R: Mrs. Scholastica Lan, Program Manager, NAS, Dr. Okunola Alabi, winner of the AU-TWAS Young Scientists National Award (Basic Sciences Technology & Innovation category), Dr. Mannaseh Gwaza, representing the permanent secretary, Federal Ministry of Science & Technology, Dr. Kikelomo Ogunsulire, Project Officer, NAS, Dr. Moses Emetere, winner of the AU-TWAS Young Scientists National Award (Earth & Life Sciences category) at the presentation of awards held in Abuja

### 3.14 Courtesy visit to Ford Foundation



L-R: Mr. Innocent Chukwuma, Representative for West Africa, Ford Foundation, Professor Oyewale Tomori, President, NAS, Dr. Oladotin Odubanjo, Executive Secretary, NAS, Miss Mobolaji Dasaolu, Administrative Officer (Communications) at the courtesy visit by NAS team to Ford Foundation

A NAS team led by the President, Professor Oyewale Tomori, FAS were received at the Ford Foundation office by the Representative for West Africa, Mr. Innocent Chukwuma. The team paid a courtesy visit to Ford Foundation in order to strengthen the relationship the Academy has with the Foundation as well as discuss further support for the Academy to make science relevant in Nigeria. In his address, Mr. Chukwuma thanked the president, and reassured the Academy of the Foundation's continued partnership with the Academy.

### 3.15 Strengthening Strategic Communications Capacity

Knowing how crucial communications are to its activities, the Academy is bent on continuously improving its capacity in this area. Hence, the Academy nominated its Administrative Officer, Miss Mobolaji Dasaolu, to attend a training workshop between the 26th and 29th of January, 2015.

The workshop, which was held at the Ford Foundation office in Lagos, brought together participants for an interactive peer-to-peer workshop with a focus on strategic communications in support of research and advocacy efforts related to sexual and reproductive health and rights.



Group picture of participants at the Strategic Communication Workshop held in Lagos





## 4.0 International Activities

### 4.1 African Science Academy Development Agenda (ASADA)

Following the completion of the decade long African Science Development Initiative (ASADI) of the US National Academies, the African science academies met to agree on a new development programme for African science academies. The new programme was developed by the a task team from the Academy of Science of South Africa (ASSAf), the Uganda National Academy of Sciences (UNAS), the Nigerian Academy of Science (NAS), and the Network of African Science Academies (NASAC). The new ASADA programme is being developed under the auspices of NASAC.



Participants at the ASADA meeting

Representatives of the 21 academies of science in Africa, who are members of NASAC, met in Pretoria from the 17th to the 19th of February 2015 to review the draft ASADA programme. The workshop was hosted by ASSAF and the Department of Science and Technology (DST) of South Africa. In attendance were the President and the Executive Secretary of the NAS.

### 4.2 NAS President Appointed Head of Global Initiative

The President of the Academy, Professor Oyewale Tomori, FAS was appointed to serve as a Commissioner on the Global Health Risk Framework Initiative. The US Institute of Medicine is managing the Initiative, which is a multi-national commission to recommend a new global architecture for mitigating the threat of epidemic infectious diseases. This task is being undertaken as a result of two planning meetings that included, among others, the President of the World Bank, the President of the Rockefeller Foundation, and the Director-General of the World Health Organization.

The initiative will build on the lessons learned from the current Ebola outbreak and other significant outbreaks to develop a comprehensive framework to improve our response to future global public health threats. This program will include four work streams that will be coordinated and ultimately integrated: (1) governance for global health, (2) financing for global health preparedness and response, (3) health systems strengthening, and (4) improving product research, development, and acquisition.

The Global Commission which includes 15 experts drawn from diverse disciplines, will collect evidence, deliberate, and deliver a comprehensive report in time for the January 2016 World Health Assembly Executive Board meeting. The initiative is supported by the Rockefeller Foundation, the Bill and Melinda Gates Foundation, the Wellcome Trust, the Ford Foundation, the Moore Foundation, the Paul Allen Family Foundation, and the U.S. Agency for International Development.



Group picture of IAMP Young Physician Leaders at a conference held in Berlin

### 4.3 NAS Nominee Attends 2015 IAMP Young Physician Leaders Programme

The Inter Academy Medical Panel (IAMP) selected Dr Olayinka Atilola (based on NAS' recommendation) to attend the 2015 Young Physician Leaders Conference held in Berlin from 9th to 12th of October 2015. Dr Atilola is a psychiatrist and works at the



Department of Behavioral Medicine, Lagos State University College of Medicine, Ikeja Lagos as a Consultant Psychiatrist and lecturer. He had held such positions as the President of the Association of resident doctors at the University College Hospital, Ibadan, Oyo State (2008), and the national President of the National Association of Resident Doctors in Nigeria (2009)..

#### 4.4 The Network of African Science Academies (NASAC) Fundraising Training

The NASAC fundraising training workshop was attended by NAS project staff, Ms. Gertrude Ogieguata and Ms. Anjola Olaonipekun. The fundraising training is a follow up to the fundraising meeting held in August, 2014. This training workshop was held at the Hilton, Nairobi, Kenya between the 1st and 3rd of September, 2015.



Participants at the NASAC fundraising workshop held in Kenya

#### 4.6 NAS nominates for World Science Forum

The Nigerian Academy of Science nominated two young scientists to attend the World Science Forum (WSF) 2015. The Inter Academy Panel (IAP) in partnership with the Hungarian Academy of Sciences hosted the World Science Forum (WSF) themed 'The Enabling Power of Science'. This was held at the Hungarian Academy of Science from 4-7 November, 2015. The WSF focuses on issues of high relevance to the global community of scientists, policy makers and the innovative corporate sector.

The nominated young scientists are Dr. Christopher Oluwakunmi Akinbile (Ph.D Agricultural Engineering), a member of the Nigerian Young Academy (NYA) and an Associate Professor at the Agricultural Engineering Department, Federal University of Technology, Akure (FUTA); and Dr. Ochuko Lucky Erukainure (MSc. Nutritional Biochemistry), also a member of the NYA and Senior Research Officer/ food toxicologist at the Food Technology Division, Federal Institute of Industrial Research, Osodi (FIRO).

#### 4.7 The 2nd AEMASE CONFERENCE, Senegal

The 'AEMASE Conference' hosted by IAP/ANSTS (Inter Academy Panel/ The National Academy of Science and Technology of Senegal) was attended by a NAS representative, Mrs. Scholastica Lan (Program Manager). The conference which was held on the 12th and 13th of October, 2015 at Hôtel Ngor Diarama, Dakar, is an intercontinental initiative of science academies in the geographical African-Mediterranean-European (AME) area. The meeting focused its initiative to help improve formal and informal science education.

The conference hosted participants from the national academies of India, Benin, France, Nigeria, Tanzania, South Africa, Argentina, Bukina Faso, Tunisia, Morocco, Italy, Senegal, Cameroun, and Ghana.



Group of participants at the AEMASE Conference held in Dakar, Senegal



Also in attendance were representatives of the Network of African Science Academies (NASAC), IAP, and All European Academies (ALLEA). Others were science education stakeholders/scholars from Germany, Mali, Pretoria, Sri Lanka, United Kingdom, and Senegal.

The first AEMASE conference was held in May, 2014 in Rome.

AEMASE means "African-European-Mediterranean Academies for Science Education".

#### 4.8 NAS represented at the Climate Change Conference of Parties (COP21)

The Network of African Science Academies (NASAC) organized and hosted a side event at the COP21 Climate Change UNFCCC Conference of Parties.



Group Photo of the Science Policy Dialogue at COP 21 NASAC –IOC/UNESCO Side Event - African Pavillion, Le Bourget, Paris

The side event was a set of activities over two days (December 9th and 10th, 2015) in collaboration with the Intergovernmental Oceanographic Commission of UNESCO (IOC/UNESCO) and was held at the UNESCO Headquarters in Paris, France from November 30th to December 11th, 2015.

At the event, Professor Babajide Alo FAS presented a paper, on behalf of NAS, titled "Role of science academies and universities for developing scientific capacity and appropriate blue/green technologies to respond to climate change in Africa".

He highlighted the importance of the African Academies in resolving Climate Change issues in Africa. Professor Alo also emphasized the role of science and the African science academies in providing home-grown recommendations for effective climate change adaptation policies and practices.

#### 4.9 IAMP conference on Traditional Medicine

Professor Olatunde Farombi FAS represented NAS at the IAMP symposium "Exploring Traditional Medicine" on 23-24 September, 2015 in Beijing, China. At the meeting, he presented his abstract "Kolaviron, a naturally occurring antioxidant and anti-inflammatory bioflavonoid from the seed of *Garcinia kola*" which was proposed to the IAMP as part of its efforts to showcase successful examples of how traditional medical practices can play a role in modern medicine. Professor Fola Esan FAS, who represents the Academy of the Executive Committee of the IAMP, was also in attendance as co-organizer of the symposium. (NAS was co-sponsor of it).

#### 4.10 NAS attends AMASA - 11

The 11th Annual Meeting of African Science Academies (AMASA-11) was hosted by the Kenya National Academy of Sciences, on the 30th of November and 1st of December 2015, at the Hilton Hotel, Nairobi. The conference theme was 'Non-communicable diseases: Post-2015 development





agenda'. The NAS delegation to the conference comprised of Prof Oyewale Tomori FAS, Prof Timothy Obi FAS, Dr Oladoyin Odubanjo, Mr Samuel Shofuyi and the speakers nominated by NAS - Dr Anthony Usoro (Federal Ministry of Health, Abuja), and Dr Ike Ajayi (University of Ibadan).

The AMASA-13 is scheduled to hold in Nigeria coming with the 40th anniversary of NAS.

The 11th General Assembly of the Network of African Science Academies was also held in Nairobi on the 29th of November 2015 and was attended by the NAS President and Executive Secretary, Prof Tomori and Dr Odubanjo respectively.

#### 4.11 NASAC's International Water Workshop

The Academy nominated experts to participate in a workshop titled "Improving the Management of Water Resources for Sustainable Development in Africa and the Americas". This workshop, hosted by Network of African Science Academies (NASAC), was held at the Hilton Hotel in Nairobi, Kenya from 12th-15th of October, 2015. The workshop took stock of the relevant issues concerning water in Africa and America.

The Academy's Vice President, Professor Mosto Onuoha, FAS, led the Nigerian team of experts to this event. They are Professor Salihu Mustafa, FAS, and Mr. Moses Beckley, Director-General, Nigerian Hydrological Services Agency (NHSA). Professor Onuoha, FAS made a presentation titled 'Improving the management of water and energy resources for sustainable development in Nigeria'

The workshop brought together water experts in Africa and the Americas, policymakers in the water sector and stakeholders from both academia and industry.

### 5.0 News on Members

- ❖ Professor David Okpako FAS wrote a definitive book on traditional African medicine titled: "Science Interrogating Belief: Bridging the old and new traditions of medicine in Africa". The book represents a first attempt at theory and interpretation of beliefs and esoteric practices in traditional African medicine. This was launched at a colloquium, held at the University of Ibadan, on traditional medicine on Thursday, 3rd of September, 2015.
- ❖ Professor Tolu Odugbemi FAS clocked 70 years on the 30th of January, 2015
- ❖ Professor Babajide Alo FAS was nominated and appointed by the Honourable Minister of Environment in March 2015 as a member of the Federal Ministry of Environment's newly constituted National Committee on Climate Change - UNFCCC COP 21 - PARIS 2015
- ❖ Professor Soga Sofola FAS was appointed Emeritus Professor of Physiology at the University of Lagos on the 30th of April, 2015
- ❖ Professor Olaide Abass FAS was appointed Emeritus Professor at the University of Lagos on the 30th of April, 2015
- ❖ Professor Akaehomen Ibhádode FAS was appointed the Vice Chancellor of Federal University of Petroleum Resources, Effurun, Nigeria for a tenure of five years, effective 4th of May, 2015
- ❖ Professor Friday Okonofua FAS completed his five-year contract at Ford Foundation. An event was held in his honour at the Ford Foundation office at Banana Island, Lagos on the 28th of April, 2015. Professor Okonofua FAS was also appointed Vice Chancellor of Ondo State University of Medical Sciences
- ❖ Professor Oladele Kale FAS was nominated as member of the committees of the Federal Ministry of Health on Situation Analysis and Needs Assessment (SANA) and Health National Adaptation Process (HNAP)



Prof. David Okpako



- ❖ Professor Olaitan Soyannwo FAS clocked 70 years on the 8th of June, 2015.

- ❖ Emeritus Professor Olumuyiwa Akintola Olorunninyo Awe FAS died at the age of 82 on the 3rd of May, 2015.

He was Emeritus Professor of Physics at the University of Ibadan. Before his demise, he published two pastoral books titled 'The Fatherhood of God' and 'Marriage and the Christian'. Professor Awe was awarded Member of the Order of the Niger (MON) by the President of the Federal Republic of Nigeria in 1981. He was a Foundation Fellow of the Nigerian Academy of Science.



Professor Theophilus Ogunlesi, FAS, Foundation Fellow, NAS (sitting 1<sup>st</sup> right) receiving documents from Professor Gabriel Ogunmola, FAS at a courtesy visit paid to him at his residence

- ❖ Professor Olusegun Oyeleke Adewoye FAS died at the age of 68 on the 20th of May, 2015. He was a renowned Professor of Materials Science and Engineering. He was a former Director-General of the National Agency for Science and Engineering Infrastructure (NASENI). Professor Adewoye served on the Academy's Council as the Public Affairs Secretary. He was buried on the 26th of June, 2015
- ❖ Professor David Mba FAS contributed to development in aerospace safety by in a report, undertaken for the European Aviation Safety Agency that explores new ways to lubricate helicopter gearboxes.
- ❖ Professor Idowu Olayinka FAS was elected Vice Chancellor, University of Ibadan. He succeeded Professor Isaac Adewole FAS
- ❖ Professor Muritala Akinola Salau FAS died at the age of 67. He served on the Academy's 34th Council (2001 - 2013) as the Academic Representative, Physical Sciences. Prof Salau, who was a former Vice Chancellor of Ladoke Akintola University of Technology (LAUTECH), was the INEC National Commissioner representing South West at the time of his death
- ❖ Professor Isaac Folorunsho Adewole FAS was appointed as the Minister of Health by his Excellency, President Muhammadu Buhari, GCFR. Professor Isaac Adewole FAS is a former Vice Chancellor of University of Ibadan
- ❖ Professor Emeritus David Uke Ukiwe Okali FAS celebrated his 80th Birthday on the 25th of September, 2015 at a thanksgiving service held at the Chapel of the Resurrection, University of Ibadan. Professor Okali is a past-President of the Academy
- ❖ Professor Sunday Atawodi FAS held his inaugural lecture titled "Eating, Drinking and Spicing Cancer Away from Our Lives" which was held on 11th March 2015 in the Assembly Hall of Ahmadu Bello University, Zaria Nigeria.
- ❖ Professor Oye Ibidapo-Obe FAS was nominated for the award of the Fellow of The Nigerian Mathematical Society (NMS). The investiture for the award will hold in May, 2016. Professor Ibidapo-Obe is the Academy's immediate past president
- ❖ Professor Emeritus Augustine Esogbue, FAS, The Stewart School of Industrial and Systems Engineering at Georgia Tech, received the Life Achievement Award from the Nigerian Academy of Engineering. Professor Emeritus Esogbue, a Trustee of the National Competitiveness Council of Nigeria, published the following two books: "*A Safety Systems Technology Embedded Security Agenda for National Development*" and "*Vistas of Seminal Contributions to Industrial and Systems Engineering*"



Professor Friday Okonfua, FAS (1<sup>st</sup> right) receiving his gift at a sendforth ceremony held on his behalf at the Ford Foundation office, Banana Island Lagos on the 28<sup>th</sup> of April, 2015



*Operations Research: Transferability Imperatives for the Developing World".* Both are outgrowths of his lectures at the Forum of Nigerian National Order of Merit Award Winners as part of his continuing efforts to change the science and technological education programs and mindset of Nigerians in the drive to close the developmental chasm between the developed and developing countries.

## 6.0 Highlights of the Nigerian Young Academy (NYA) Activities

### 6.1 Introduction

The Nigerian Young Academy (NYA) is a unified platform for interaction among brilliant young researchers, below the age of 45 years in Nigeria, who are from various research disciplines and regions. The Academy seeks to nurture outstanding and aspiring youthful academics and professionals towards improving the state of the nation. The NYA recognizes excellence among young researchers nationally and promotes the application of collective research findings for the improvement of the quality of life of the Nigerian society. Additionally, it plays a crucial role in building inspirational figures for a new generation of researchers. The NYA has her core values entrenched in integrity and excellence in research, and fostering research collaboration among young researchers nationally and internationally.

### 6.2 NYA 5th General Assembly/Anniversary and National Conference

As part of activities for the year 2015, the NYA, in collaboration with the Nigeria Academy of Science and the Federal University of Technology (FUT), Minna, successfully organized the 5th General Assembly/Anniversary and National Conference with the theme: "Research and Researchers in Nigeria: Accomplishing Goals for Excellence". The programme was held at the Gidan Kwano Campus of the FUT, Minna, Niger State, between May 18 and 21, 2015. Over 37 research papers from different academic disciplines were presented at the conference with over 70 persons in attendance from various parts of the country.

The highlight of the programme was the election of a new set of Executive Committee members to run the affairs of the Academy (NYA) for the next two years. The new executive members include:

Dr. Emmanuel Odjadjare (Benson Idahosa University, Benin City)	- President
Dr. Olatunji Kolawole (University of Ilorin, Ilorin)	- Vice President
Dr. Martins Omorogie (Redeemers University, Ede)	- Secretary
Dr. Temitope Jaiyeola (Obafemi Awolowo University, Ile-Ife)	- Publicity Secretary
Dr. Abiodun Adebayo (Covenant University, Ota)	- Treasurer
Dr. Isaac Clement (Ambrose Alli University, Ekpoma)	- Financial Secretary
Mr. Ochuko Erukhainure (FIRO)	- Logistics Secretary
Dr. Abidemi Akindele (University of Lagos, Lagos)	- Ex-Officio I
Dr. Ezra Gayawan (Federal Univ. of Tech., Akure)	- Ex-Officio II.

### 6.3 Award of Young Scientist Prizes (2015)

As part of activities marking the conference, prizes were presented to winners of prizes in the various categories stated below:

Prof. Oyewale Tomori FAS National Young Scientist Prize for Research in Microbiology- the winner was Dr. Obinna Nwiniyi of Covenant University, Ota.



Prof. Aderemi Kuku FAS National Young Scientist Prize for Research in the Mathematical Sciences- the winner was Dr O S Adesanya of the Redeemer's University, Ede.

Prof. Kayode Adebowale FAS National Young Scientist Prize for Research in the Chemical Sciences- the winner was Dr. Abolanle Adekunle of the Obafemi Awolowo University.

#### 6.4 New Members inducted into the Nigerian Young Academy

During the 5th General Assembly Anniversary and National Conference held at the Federal University of Technology, Minna, Niger State from 18th to 21st May, 2015, the following were inducted as members of the NYA:

S/N	NAME	INSTITUTION
1	Dr. Raphael Olarenwaju Babatunde	Department of Agric. Econs. and Farm Management, University of Ilorin
2.	Dr. Obinna Chukwuemeka Nwinyi	Department of Microbiology, Covenant University, Otta
3.	Dr. Olayinka Atilola	Department of Psychiatry, Lagos State University Teaching Hospital, Ikeja
4.	Dr. Oyetunde Timothy Salawu	Department of Biosciences, Babcock University, Ilishan-Remo
5.	Dr. Temitope Oloruntoba Olomola	Department of Chemistry, Obafemi Awolowo University, Ile-ife
6.	Dr. Oluwatosin John Rotimi	Department of Petroleum Engineering, Covenant University Otta

This brings the total number of NYA members to 60 currently.

#### 6.5 5th Anniversary Awardees

As part of activities marking the 5th anniversary celebration of the NYA, awards were presented to individuals and groups that have contributed to the sustenance of the mission and vision of the Academy. The awardees are as indicated below:

##### i. Corporate Bodies

1. Fumman Nigeria Limited
2. Finlab Nigeria Limited

##### ii. Institutions

1. The Nigerian Academy of Science (NAS)
2. Redeemer's University
3. Federal University of Technology, Owerri
4. Nnamdi Azikiwe University
5. University of Ibadan
6. University of Ilorin, Ilorin, Nigeria
7. Covenant University
8. Federal University of Technology Minna
9. Department of Systems Engineering, University of Lagos





### iii. Individuals

1. Professor Oyewale Tomori FAS- President, NAS
2. Professor Aderemi Oluyomi Kuku FAS- President, African Academy of Sciences)
3. Professor Oye Ibidapo-Obe FAS- Immediate Past-President NAS)
4. Professor Kayode Oyeboade Adebawale FAS
5. Dr. Oladoyin Odubanjo -Executive Secretary, NAS
6. Mr. Akinkunmi Paul Okekunle

### iv. NYA Inception Steering Committee Members

1. Dr. Emmanuel I. Unuabonah, Redeemer's University
2. Dr. Onoja M. Akpa, Redeemer's University (now of University of Ibadan)
3. Dr. Omorefosa O. Osemwegie, University of Benin (now of Landmark University)
4. Dr. Abidemi J. Akindele, University of Lagos
5. Dr. Augustine E. Ofomaja, University of Benin (now of Vaal University of Technology, South Africa)
6. Dr. Ikemefuna C. Uzochukwu, Nnamdi Azikiwe University
7. Dr. Martins N. Ekor, Redeemer's University (now of University of Cape Coast, Ghana)
8. Dr. Olumuyiwa S. Asaolu, University of Lagos
9. Dr. Idowu S. Ola, Obafemi Awolowo University
10. Dr. P. Ekemezie, Nnamdi Azikiwe University
11. Dr. Theresa N. Obiekezie, Nnamdi Azikiwe University
12. Dr. Mary O. Ogundiran, University of Ibadan

### 6.6 Workshops

A pre-conference workshop on Bioinformatics was held between 18th and 19th of May, 2015. The workshop had over 26 participants drawn from the biological and chemical sciences across institutions in Nigeria.

Between 5th and 7th of August, 2015, another workshop with the theme "Research for Development (R4D)" was organized by the Nigerian Young Academy, in collaboration with the Nigeria Academy of Science and the National Mathematical Centre (NMC), Abuja at the NMC's main auditorium. Over 45 PhD holders across gender and discipline from academic and research institutions across the country were in attendance.

### 6.7 Representation of NYA at Conferences and Meetings

- i. Three members of the NYA (Drs. Emmanuel Odjadjare, Theresa Obiekezie and Olayinka Atilola) were nominated by NAS to attend the ASSAF/TWAS-ROSSA conference on "Inspiring change post-2015: the role of science, technology and innovation in empowering women in Africa" held at Birchwood Hotel & OR Tambo Conference Centre, Johannesburg, South Africa between the 16th and 18th of September 2015.
- ii. The Academy was also represented by Drs. Emmanuel Odjadjare and Abidemi Akindele at the 2nd Worldwide Meeting of Young Academies held in Stockholm, Sweden, between 16 and 18 November, 2015.





## 6.8 Honours and Awards accomplished by NYA Members

- Dr. Mojisola Usikalu (Covenant University, Otta) was one of six women, who won the Elsevier Foundation award for Early Career Women Scientists in the Developing World.
- The NYA Vice President, Dr. O.M. Kolawole, was selected as a member of the National Task Force on Poliovirus Laboratory Containment in Nigeria. He was subsequently appointed as the National Coordinator on the Phase 1 Poliovirus Laboratory Containment in Nigeria by the Honorable Minister of Health of the Federal Republic of Nigeria.
- Dr. Sunny Abarikwu has the following accomplishments to his credit:
- The World Academy of Sciences/Brazilian National Council of Scientific and Technological Development Postdoctoral Fellowship Award (December, 2014) to the Institute of Biological Sciences, University of Minas Gerais, Belo Horizonte, Brazil (Value, 14,600 USD)
- TWAS Research Grants Award 2015 value at 57,000.00 USD (15-147 RG/BIO/AF/AC\_G-FR3240287029) Appointment to the position of Senior Lecturer at the Department of Biochemistry, University of Port Harcourt, Nigeria (2014)
- Dr. I.C. Uzorchukwu, on behalf of the Health Sciences Research Group of the NYA, presented a proposal on anti-Ebola drug discovery which won the UNESCO- MARS 3rd place Award at Switzerland in October 2015. UNESCO MARS Award is an international award sponsored by the oldest pharmaceutical and chemical company in the world, Merck Serono.
- Dr. O. Atolani (Co-PI) in the research group of Prof. G.A. Olatunji (PI) of the Chemistry Department, University of Ilorin received a TWAS Grant of up to 58,000 USD for the "Development, characterization and evaluation of natural skin and hair care products from Nigerian underutilized tropical seeds for Africans".
- Dr. E.I. Unuabonah's research group won a TWAS Grant of up to 65, 000 USD to carry out study on "Novel nanoporous composite adsorbents with bifunctional properties: toxic anion and bacterial removal from water"
- Dr. Etinosa Igbinosa had the following achievements to his credit:
- \* TWAS research grant (up to 17,730 USD) to carry out study on "Molecular characterization of clinically important bacterial pathogens from environmental, veterinary and agricultural sources in southern region of Nigeria.
- \* Dr. Igbinosa was also selected as one of the 20 fellows of the Africa Science Leadership Program (ASLP) in a ceremony held at the University of Pretoria, Pretoria, South Africa (June 2015). The ASLP is an initiative of the University of Pretoria in partnership with the WSF and IAP Scientist (November 2015)
- Dr. Abidemi Akindele has the following credited to him:
- \* He was elected as a member of the Executive Committee of the Global Young Academy (GYA) at the 5th GYA Conference held at Fairmont Le Chateau Montebello Resort, Montreal, Canada (May 2015)
- \* Dr. Akindele was also selected as one of the 20 fellows of the Africa Science Leadership Program (ASLP) in a ceremony held at the University of Pretoria, Pretoria, South Africa (June 2015). The ASLP is an initiative of the University of Pretoria in partnership with the GYA.
- Mr. Ochuko Erukhainure has the following to his credit:
- \* Award of the Young Nigerian Nutrition Scientist by by NASCO-Nigeria and the Nutrition Society of Nigeria (2015).



\* Certificate of recognition by the Asian Pacific Journal of Tropical Disease for the most cited article published in the last five years according to Scopus.

\* Award of excellence in Research and Development by the Federal Institute of Industrial Research, Oshodi (FIIRO), Lagos, Nigeria.

- Dr. Misbaudeen Abdul-Hammed secured a two-year postdoctoral fellowship at Life and Medical Sciences Institute (LIMES) of the University of Bonn, Germany (January 2015 to December 2016) to work on the properties and various functions of Saposin C. This multifunctional lipid transfer protein is essential for the degradation of glucosylceramide and its inherited deficiency causes Gaucher disease.





# Appendix ●●●





## Appendix A



### List of Fellows Since Inception (As Inducted)

S/N	FELLOWS	SPECIALTY	GENDER	YEAR INDUCTED
1	Abubakar, Iya	Mathematics	Male	1977
2	Adadevoh, Babatunde Kwaku*	Chemical Pathology	Male	1977
3	Adegbola, Anthony A.*	Animal Science	Male	1977
4	Adegoke, O. Sylvester	Geology	Male	1977
5	Akinrele, I.A.	Industrial Chemistry	Male	1977
6	Alasoadura, Samuel O.*	Botany	Male	1977
7	Amenechi, Patrick Iloba*	Chemistry	Male	1977
8	Awachie, J.B.E.*	Zoology	Male	1977
9	Awe, Olumuyiwa*	Physics	Male	1977
10	Bassir, Olumbe*	Nutrition & Biochemistry Toxicology	Male	1977
11	Boyo, Alexander Eyimofe*	Pathology	Male	1977
12	Chijioke, Mark O.	Electrical Engineering	Male	1977
13	Ekong, Donald Efiang Udo*	Chemistry	Male	1977
14	Emovon, Emmanuel U.	Chemistry	Male	1977
15	Ette, A.I.I.	Physics	Male	1977
16	Ezeilo, James Okoye Chukuka*	Mathematics	Male	1977
17	Fabiyi, Akinyele*	Virology	Male	1977
18	Francis, Theodore Idibiye*	Medicine	Male	1977
19	Ige-Grillo, T. Adesanya*	Anatomy	Male	1977
20	Kodilinye, Herbert C.*	Ophtalmology	Male	1977
21	Lucas, Adetokunbo O.	International Health	Male	1977
22	Maduemezia, Awele	Physics	Male	1977
23	Njoku-Obi, Augustine N. U.*	Microbiology	Male	1977
24	Obi, Chike*	Mathematics	Male	1977
25	Ogan, Agu U.	Biochemistry	Male	1977
26	Ogunlesi, Theophilus Oladipo	Medicine	Male	1977
27	Okigbo, Bede Nwoye	Agronomy	Male	1977
28	Oladapo, Ifedayo Olawole*	Civil Engineering	Male	1977
29	Olaniyan, Caleb Isaac Olawole*	Zoology	Male	1977
30	Onwumechili, Cyril Agodi	Physics	Male	1977
31	Oseni, Anthony Momodu*	Forestry	Male	1977
32	Osuide, Gabriel Ediale	Neuropharmacology	Male	1977
33	Osunkoya, Babatunde Olusiji*	Immunology	Male	1977
34	Osuntokun, B. Oluwakayode*	Medicine	Male	1977
35	Oyawoye, Mosobalaje Olaloye	Geology	Male	1977
36	Oyenuga, Victor Adenuga*	Animal Science	Male	1977

## Appendix A



S/N	FELLOWS	SPECIALTY	GENDER	YEAR INDUCTED
37	Shehu, Umaru	Health Resources & Management	Male	1977
38	Tella, Ayodele*	Pharmacology	Male	1977
39	Toye, Samuel Afolabi*	Zoology	Male	1977
40	Udekwa, Fabian Anene Osita*	Theoracic Surgery	Male	1977
41	Ukoli, Frank Mene A.*	Zoology	Male	1977
42	Yoloye, Emmanuel Ayotunde	Science Education	Male	1977
43	Okonkwo, Samuel N.C.*	Botany	Male	1979
44	Anyia, Oko Anya	Zoology	Male	1979
45	Okafor, Nduka	Microbiology	Male	1979
46	Okogun, Joseph Ibomein	Organic & Natural Products Chemistry	Male	1979
47	Enwonwu, Cyril Obiora	Medicine	Male	1979
48	Taylor, Timothy Ajibola*	Agriculture	Male	1980
49	Akinkugbe, Oladipo Olujimi	Medicine	Male	1980
50	Animalu, Alexander Obiefoka Eukora	Physics & Mathematics	Male	1980
51	Edozien, Joseph Chike	Medicine (Chemical Pathology)	Male	1980
52	Ajakaiye, Deborah Enilo	Physics	Female	1980
53	Olubummo, Adegoke*	Mathematics	Male	1980
54	Orangun, Cornelius O.*	Civil & Structural Engineering	Male	1981
55	Salako, Lateef Akinola	Medicine (Pharmacology)	Male	1981
56	Eze-Uzomaka, Osondu John	Civil Engineering	Male	1981
57	Iyahan, Sunday Osarumwense	Mathematics	Male	1981
58	Esan, George Joseph Folayan	Medicine	Male	1982
59	Okoye, Samuel Ejikeme*	Physics	Male	1982
60	Imevbore, Anthony Malomo Adia	Zoology	Male	1983
61	Amazigo, John Chukwuemeka	Mathematics	Male	1985
62	Kogbe, Cornelius Adedapo	Geology	Male	1985
63	Adesola, Akin O.*	Medicine (Surgery)	Male	1985
64	Enahoro, Henry Ehikpehale*	Mechanical Engineering	Male	1985
65	Okafor, Charles Okolo	Chemistry	Male	1986
66	Nwokolo, Chukwuedu*	Medicine	Male	1986
67	Makanjuola, Gabriel Ayodele	Agricultural Engineering	Male	1986
68	Ogunmola, Gabriel Babatunde	Biophysical Chemistry Biotechnology	Male	1987
69	Adeloye, Adelola	Medicine	Male	1987



## Appendix A

S/N	FELLOWS	SPECIALTY	GENDER	YEAR INDUCTED
70	Evwaraye, Andrew Oteku	Physics	Male	1987
71	Oke, Olusegun Ladimeji	Nutritional Chemistry	Male	1988
72	Faniran, Joshua Ajadi	Chemistry	Male	1988
73	Olunloyo, Vincent Olusegun S.	Engineering	Male	1989
74	Okali, David Uke Ukiwe	Forest Biology, Environment & Conservation	Male	1989
75	Kuku, Aderemi Oluyomi	Mathematics	Male	1989
76	Adekola, Sulaiman Adeniyi	Electrical/Electronic Engineering	Male	1990
77	Essien, Etim Moses	Haematology	Male	1990
78	Yayock, Joseph Yusuf	Agriculture & Agronomy	Male	1990
79	Mohammed, Idris	Medicine	Male	1990
80	Ezekwe, Gordian Obuneme*	Engineering	Male	1991
81	Okpako, David Tinakpoewan	Pharmacology	Male	1991
82	Okon, Ephraim Efiong	Engineering Science	Male	1991
83	Tomori, Oyewale	Virology	Male	1991
84	Tejumola, Haroon Oladipo*	Mathematics	Male	1991
85	Acholonu, Alexander D. Wozuzu	Parasitology/ Microbiology	Male	1992
86	Aminu, Jibril Muhammadu	Medicine	Male	1992
87	Ransome-Kuti, Olikoye*	Medicine	Male	1992
88	Mshelia, Elijah D.	Theoretical Nuclear Physics	Male	1994
89	Okonkwo, Paul O.	Molecular & Ethnopharmacology	Male	1994
90	Nwagwu, Mark	Zoology	Male	1994
91	Susu, Alfred A.	Chemical Engineering	Male	1994
92	Ngoddy, Patrick Obi	Agric & Food Engineering	Male	1996
93	Gadzama, Njidda M.	Zoology	Male	1997
94	Odugbemi, Tolu	Parasitology/ Microbiology	Male	1997
95	Olaniyan-Taylor, Oladunni G.	Chemical Pathology	Female	1997
96	Nnaji, Bartholomew O.	Industrial Engineering	Male	1997
97	Aimakhu, Vincent E. *	Obsterics & Gynaecology	Male	1998
98	Osuntokun, Olabopo	Medicine/Ophthalmology	Female	1998
99	Anosike, Emmanuel O.	Enzymology/ Protein Chemistry	Male	1998
100	Odigboh, Emmanuel Uche	Agricultural Engineering	Male	1998
101	Okeke, Pius N.	Astronomy & Space Science	Male	1998
102	Onuoha, K. Mosto	Pure & Applied Geophysics	Male	1998
103	Attah, Edward 'B.	Human Pathology	Male	1999





S/N	FELLOWS	SPECIALTY	GENDER	YEAR INDUCTED
104	Okeke, Cajetan Ezeani	Physics	Male	1999
105	Salawu, Raifu Isola	Electrical/Electronic Engineering & Renewable Energy	Male	1999
106	Wambebe, Charles O.	Pharmacology	Male	1999
107	Olumide, Yetunde Mercy	Medicine/Dematology	Female	2000
108	Akeju, Timothy A. I.	Civil Engineering	Male	2000
109	Ene-Obong, E. Efiom	Plant Breeding and Crop Biotechnology	Male	2000
110	Esogbue, Augustine O.	Industrial & Systems Engineering/ Operations Research, Intelligent Systems & Control	Male	2000
111	Petters, Sunday W.	Geology	Male	2000
112	Sambo, Abubakar S.	Mechanical Engineering	Male	2002
113	Ekeke, Gabriel I.*	Biochemistry	Male	2002
114	Egbelu, Pius J.	Industrial Engineering	Male	2002
115	Mustafa, Salihu	Civil/Water Resources Engineering	Male	2002
116	Ajayi, Gabriel O.*	Physics/Electro.& Elect. Engineering	Male	2004
117	Salimonu, Lekan S.*	Chemical Pathology	Male	2004
118	Anusiem, Alphonso C.I.	Chemistry	Male	2004
119	Bwala, Sunday A.	Medicine (Neurology)	Male	2004
120	Coker, Akintoye Olusegun	Parasitology/ Microbiology	Male	2004
121	Ekundayo, Olusegun	Chemistry	Male	2004
122	Falase, Ayodele O.	Medicine/Cardiology	Male	2004
123	Ibidapo-Obe, Oyewusi	Stochastic Control & Information Systems Engineering	Male	2004
124	Isoun, Turner T.	Veterinary Medicine	Male	2004
125	Obi, Timothy U.	Veterinary Medicine	Male	2004
126	Adu, Israel F	Animal Nutrition	Male	2006
127	Akinsete, Ibrinke	Haematology	Female	2006
128	Falade, Gabriel Kayode	Petroleum Engineering	Male	2006
129	Okorie, Domingo Amechi	Chemistry	Male	2006
130	Onadeko, Babatunde Owolabi	Respiratory Medicine	Male	2006
131	Osotimehin, Babatunde	Medicine/Chemical Pathology	Male	2006
132	Salau, Akinola Muritala*	Solid State Physics/		
133	Sofola, Olusoga	Devices Physiology	Male	2006
134	Soyannwo, Olaitan	Anaesthesia/ Pain Management	Female	2006
135	Braide, Ekanem Ikpi	Parasitology/ Epidemiology	Female	2006



## Appendix A

S/N	FELLOWS	SPECIALTY	GENDER	YEAR INDUCTED
136	Afolayan, Adeyinka	Enzymology/ Protein Science	Male	2006
137	Ilori, Samuel Akindiji	Mathematics	Male	2006
138	Okafor, Emmanuel Chukwuemeka	Chemistry	Male	2006
139	Shokunbi, M. Temitayo	Developmental Neurosciences/ Paediatric Neurology	Male	2006
140	Chidume, Charles E.	Mathematics	Male	2006
141	Akanji, Abayomi Olusola	Medicine- Endocrinology & Metabolic Medicine	Male	2007
142	Egbunike, Gabriel N.	Animal Science	Male	2007
143	Ume, Ifeanyi Charles	Mechanical Engineering	Male	2007
144	Briggs, Nimi Dimkpa	Medicine	Male	2007
145	Adewoye, Olusegun O. *	Material Science	Male	2007
146	Longe, Oyebiodun Grace	Nutritional Biochemistry	Female	2007
147	Soboyejo, Wole	Material Science & Engineering	Male	2007
148	Bamiro, Olufemi Adebisi	Mechanical Engineering	Male	2008
149	Aghaji, Martin Anthony C.	Cardio-Thoracic Surgery	Male	2008
150	Dada, Olukayode	Laboratory Medicine (Chemical Pathology)	Male	2008
151	Onyido, Ikenna	Mechanistic & Bioorganic Chemistry	Male	2008
152	Adikwu, Michael U.	Pharmacy/ Pharmaceutics	Male	2009
153	Aire, Tom A.	Veterinary Medicine	Male	2009
154	Falusi, Adeyinka G.	Haematology	Female	2009
155	Oderinde, Rotimi A.	Industrial Chemistry	Male	2009
156	Onwuliri, Celestine O. *	Zoology	Male	2009
157	Onwualu, Peter Azikiwe	Agricultural Power & Machinery	Male	2009
158	Sodeinde, O.	Paediatrics	Male	2009
159	Damachi, Nicholas A.	Industrial Engineering/ Science Public Policy	Male	2010
160	Gumel, Abba B.	Mathematics	Male	2010
161	Kuku, Sonny F.	Endocrinology	Male	2010
162	Malomo, Siyanbola	Geology	Male	2010
163	Okeke, Francisca Nneka	Geomagnetism/ Ionospheric Physics	Female	2010
164	Abubakar, Mohammed K.	Biochemistry	Male	2011



S/N	FELLOWS	SPECIALTY	GENDER	YEAR INDUCTED
165	Alo, Babajide Ibitayo	Organic & Environmental Chemistry	Male	2011
166	Babalola, Chinedum Peace	Pharmacy/ Pharmacokinetics	Female	2011
167	Egboka, Boniface C.E.	Hydrogeology	Male	2011
168	Nwaorgu, Obioma C.	Parasitology & entomology	Female	2011
169	Sofoluwe, Adetokunbi B.*	Computer Science	Male	2011
170	Adewole, Isaac F.	Obstetrics & Gynaecology	Male	2011
171	Abass, Mojeed Olayide	Computer Science	Male	2012
172	Adebawale, Kayode Oyebo	Industrial Chemistry	Male	2012
173	Adeyemi, Isaac Adebayo	Food Science	Male	2012
174	Anosa, Victor Onwubalili	Veterinary Pathology	Male	2012
175	Ibhadode, Akaehomen O. Akii	Manufacturing Engineering	Male	2012
176	Nok, Andrew Jonathan	Biochemistry	Male	2012
177	Okonofua, Friday E.	Obstetrics & Gynaecology	Male	2012
178	Olayinka, Abel Idowu	Geology	Male	2012
179	Omigbodun, Akinyinka Omokolapo	Obstetrics & Gynaecology	Male	2012
180	Soboyejo, Alfred B.O.	Aeronautical & Astronautically/ Agricutural & Biol. Engineering	Male	2012
181	Atawodi, Sunday Ene-ojo	Biochemistry	Male	2013
182	Atinmo, Tola	Nutrition	Male	2013
183	Ezekoli, Chukwudozie Daniel	Veterinary Medicine	Male	2013
184	Gureje, Oye	Medicine (Psychiatry)	Male	2013
185	Hussaini, Isa Marte	Pharmacology	Male	2013
186	Idoko, John Alechenu	Medicine	Male	2013
187	Kale, Oladele O.	Public Health	Male	2013
188	Momoh, James Adeche	Electrical Engineering	Male	2013
189	Odunfa, Sunday Ayodele	Microbiology	Male	2013
190	Osadebe, Ogoamaka Patience	Pharmaceutical & Medicinal Chemistry	Female	2013
191	Adekoya, John Adeyinka	Geology	Male	2014
192	Agbenin, John Okhienaiye	Soil Environmental Chemistry	Male	2014
193	Agbonlahor, Dennies Edokpaigbe	Medical Laboratory Science	Male	2014
194	Ahaneku, Joseph Eberendu	Chemical Pathology/ Clinical Chemistry	Male	2014





## Appendix A

S/N	FELLOWS	SPECIALTY	GENDER	YEAR INDUCTED
195	Aina, Patrick Oladipo	Soil Physics	Male	2014
196	Farombi, Ebenezer Olatunde	Biochemistry	Male	2014
197	Ibe, Chidi Adonis	Oceanography/ Scientific Research	Male	2014
198	Odunsi, Adekunle	Gynecologic Oncology/ Medicine	Male	2014
199	Ojo, Joseph Olorunfemi	Electrical & Computer Engineering - Power Electronics	Male	2014
200	Shokunbi, Wuraola Adebola	Haematology	Female	2014
201	Agbede, Oluwole .A.	Water Resources/ Geotechnical Engineering	Male	2015
202	Amazigo, Uche V.	Medical Parasitology	Female	2015
203	Familoni, Oluwole B.	Chemistry	Male	2015
204	Ladipo, Kehinde O.	Geology	Male	2015
205	Maduagwu, Emmanuel	Biochemistry	Male	2015
206	Mba, David	Mechanical Engineering	Male	2015
207	Ohaeri, Jude U.	Medicine (Psychiatry)	Male	2015
208	Ohia, Sunny E.	Pharmacology	Male	2015
209	Umoh, Jarlath U.	Veterinary Public Health/Veterinary Medicine	Male	2015
Foreign Fellows				
201	Zewail, Ahmed	Chemistry	Male	2010
202	Albert, Bruce	Biochemistry/ Molecular Biology	Male	2011
203	Clegg, Michael	Biological Sciences	Male	2012
	*Late			



## SECTIONAL COMMITTEES - PHYSICAL SCIENCES

## SECTIONAL COMMITTEES - BIOLOGICAL SCIENCES

## MATHEMATICAL SCIENCES

J.C. Amazigo	Male	Chairman
S.A. Ilori	Male	
C.E. Chidume	Male	
A.B. Gumel	Male	
M.O. Abass	Male	

## PHYSICS, ASTRONOMY AND SPACE SCIENCES

P.N. Okeke	Male	Chairman
E.D. Mshelia	Male	
C.E. Okeke	Male	
P.O. Aina	Male	

## CHEMICAL SCIENCES

J.I. Okogun	Male	Chairman
O. Ekundayo	Male	
B.I. Alo	Male	
Ikenna Onyido	Male	
E.C. Okafor	Male	

## ENGINEERING AND APPLIED SCIENCES

E.E. Okon	Male	Chairman
S. Mustafa	Male	
I.C. Ume	Male	
S.A. Adekola	Male	
A.O.A. Ibhadode	Male	

## EARTH AND ENVIRONMENTAL SCIENCES

O.S. Adegoke	Male	Chairman
K.M. Onuoha	Male	
S.W. Petters	Male	
S. Malomo	Male	
A.I. Olayinka	Male	

## BIOCHEMISTRY, MOLECULAR BIOLOGY &amp; BIOTECHNOLOGY

G.B. Ogunmola	Male	CHAIRMAN
A. Afolayan	Male	
A.J. Nok	Male	
S.E. Atawodi	Male	
E.O. Anosike	Male	

## BIOLOGICAL SCIENCES

Tolu Odugbemi	Male	CHAIRMAN
M. Nwagwu	Male	
A.O. Coker	Male	
S.A. Odunfa	Male	

## AGRICULTURAL AND FORESTRY SCIENCES

O.G. Longe	Female	CHAIRMAN
E.E. Ene-Obong	Male	
I.F. Adu	Male	
I.A. Adeyemi	Male	
Tola Atinmo	Male	

## MEDICAL SCIENCES

N.D. Briggs	Male	CHAIRMAN
S.A. Bwala	Male	
I. Akinsete	Female	
O. Sodeinde	Male	
J.A. Idoko	Male	

## PHARMACEUTICAL SCIENCES

D.T. Okpako	Male	CHAIRMAN
C.O. Wambebe	Male	
M.U. Adikwu	Male	
C.P. Babalola	Female	
I.M. Hussaini	Male	

## VETERINARY SCIENCES

T.A. Aire	Male	CHAIRMAN
T.T. Isoun	Male	
T.U. Obi	Male	
V.O. Anosa	Male	
C.D. Ezeokoli	Male	



### PAST PRESIDENTS SINCE INCEPTION

President	Tenure
Professor V.A. Oyenuga	1977-1979
Professor C.A. Onwumechili	1979-1981
Professor Umaru Shehu	1981-1983
Professor E.U. Emovon	1983-1985
Professor A.N.U. Njoku-Obi	1985-1987
Professor I.O. Oladapo	1987-1989
Professor C.I.O. Olaniyan	1989-1991
Professor A.I.I. Ette	1991-1993
Professor A.A. Adegbola	1993-1995
Professor Awele Maduemezia	1995-1997
Professor Lateef .A. Salako	1997-1999
Professor Anya .O. Anya	1999-2001
Professor Alexander O.E. Animalu	2001-2003
Professor Gabriel B. Ogunmola	2003-2006
Professor David U.U. Okali	2006-2009
Professor Oyewusi Ibidapo-Obe	2009-2013
Professor Oyewale Tomori	2013-





As at December, 2015, The Nigerian Academy of Science is Nigeria's national representative on the following:

- International Council for Science (ICSU) – the umbrella body for all science associations and unions
- Inter-Academy Panel (IAP) – the umbrella body for all national science academies globally

NAS is also a member of the Executive Committees of:

- Inter-Academy Medical Panel (IAMP)
- Network of African Science Academies (NASAC)

For year 2015, The Nigerian Academy of Science got some support from the following organizations:

- Ford Foundation
- Nigeria Meteorological Agency
- Tertiary Education Trust Fund
- Schlumberger
- United States Civilian Research and Development Foundation

**THE NIGERIAN ACADEMY OF SCIENCE**

ACADEMY HOUSE  
8A Ransome Kuti Road  
University of Lagos, Akoka, Lagos.  
P.M.B. 1004 University of Lagos Post Office Akoka, Yaba, Lagos, Nigeria.  
Tel: +234 808 962 2442  
Email: [admin@nas.org.ng](mailto:admin@nas.org.ng) Website: [www.nas.org.ng](http://www.nas.org.ng)