



THE NIGERIAN ACADEMY OF SCIENCE



2014
ANNUAL REPORT/
Year Book



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Message from the President

The main issues crucial for development of science and improvement of public health in Nigeria in 2014 included, the National Conference, and the Ebola outbreak. The Academy participated actively in the two activities, providing much needed evidence-based advice. The Nigerian Academy of Science working with other academies- Nigerian Academy of Engineering, the Nigerian Academy of Education, and the Nigerian Social Science Academy prepared and submitted a document to the National Conference Sub Committee on Science Technology and Development. The recommendations of the Sub-Committee were unanimously adopted by the Conference. Highlights of the recommendations included a call for a Science and Technology Policy Unit in the Presidency in order to fully develop and further strengthen and promote quality science and technology in Nigeria. The special unit will be responsible for monitoring the use of funds invested in science and technology and the impact on national development. In addition, there was a call for the establishment of a National Council for Scientific and Industrial Research (NCSIR) to harness, focus and coordinate research for national development. Other recommendations approved by the Conference were the:

- strengthening and faithful implementation of, the existing Science, Technology and Innovation (STI) policy
- streamlining the STI (or ST) Policy to emphasize the fact that science and technology is the foundation for building the much needed knowledge-based economy
- promoting quality science and technology by
 - o revising educational curricula to reflect the importance of science and technology in national development
 - o establishing State Ministries of Science and Technology
 - o upgrading existing National Science Centres to high quality centres of excellence for research and training in national strategic (priority) areas of science and technology



Professor Oyewale Tomori, FAS
President



- o strengthening existing law as to protect innovation, copyrights, patents, intellectual property etc
- o demanding for and rewarding innovation and overall excellence in science and technology research
- o establishing a National Science Foundation for funding research in science and technology
- o engaging top scientists in science and technology-related policies, as advisers to government
- o fully utilizing existing academies to provide much needed advise to governments
- o establishing Science and Technology Research Parks in selected tertiary institution campuses to encourage industry-academia research collaboration
- o popularizing science through introduction of innovative science teaching and engagement of the young from the primary school level

It is hoped that these recommendations will be implemented in the new dispensation

The second issue that had and will continue to have significant effect on science and public health in Nigeria is the Ebola epidemic, which according to the WHO had by January 14 2015, killed over 8,000 of the more than 21, 000 infected persons, mainly in Guinea, Liberia and Sierra Leone. Nigeria which reported 20 cases and 8 deaths was declared Ebola free on October 20 2014, three months after the first case was imported from Liberia. The initial shaky response in Nigeria was later augmented and enhanced with professionalism and an aggressive case finding and follow up. Perhaps more significant, though largely unrecognized, was the rapid laboratory confirmation (within 48 hours) of the case, provided by two laboratories in LUTH and at the Redeemers University. The escalation of the Guinea Ebola outbreak into a Public Health Emergency of International Concern (PHEIC) resulted from the delay in confirming the first case in December 2013. It was not until March 2014, (three months from onset of the first case) before WHO declared the epidemic. Again we see the desirable effect of rapid laboratory diagnosis on the separate Ebola outbreak in Democratic Republic of Congo (DRC). The country informed WHO of the outbreak on 24 August, having confirmed the first case in less than a week from the day of first report. Combining outbreak investigation expertise, with a mobile laboratory, risk communications and social mobilization, contact tracing and clinical care, the country was declared free of Ebola on 21 November 2014, with 66 cases and 49 deaths. Back to the issue of laboratory diagnostic capacity for viral hemorrhagic fevers in Nigeria, it is clear that the two laboratories in LUTH and Redeemer's university were able to function effectively, not because they were supported by the federal government, but because they both receive substantial funding from external agencies. It does appear that the laboratories in Nigeria with sustained capability for rapid, accurate and reliable diagnosis of viral hemorrhagic fever infections such as Lassa, Ebola and yellow fever, rely on external funding. The funding of diagnostic laboratories in Nigeria require urgent attention, as Nigeria's from Ebola may only be a temporary relief, as we are not out of the Ebola woods yet, so long as there remains a case anywhere in the world. It is Ebola this time around, other pathogens are around the corner, waiting to decimate as Ebola has devastated Guinea, Liberia and Sierra Leone. Nigeria will be better served if some of the 1.9 billion naira earmarked for Ebola and related issues is made available to improve and upgrade our laboratory facilities,



1.0 The Nigerian Academy of Science

The Nigerian Academy of Science (NAS) is the foremost independent scientific body in Nigeria. Established in 1977, NAS is uniquely positioned to bring scientific knowledge to bear on the policies/strategic direction of the country and is also dedicated to the development and advancement of science, technology, and innovation in Nigeria. As with other national academies in other countries, NAS is a national not-for-profit organisation with membership comprising 157 Fellows and 3 Foreign Fellows, selected through a highly competitive process, who have distinguished themselves in their fields both locally and internationally.

NAS is Nigeria's national representative on such bodies as the International Council for Science (ICSU) - the umbrella body for all science associations and unions and the Inter-Academy Panel (IAP) - the umbrella body for all national science academies globally. The Academy is also on the Executive Committees of the Inter-Academy Medical Panel (IAMP), the Inter-Academy Council (IAC) and the Network of African Science Academies (NASAC).

Some of the recent accomplishments of NAS include the following: (1) the development of a training manual on getting research into policy and practice in collaboration with Alliance for Health Policy and System Research; (2) the organization of an international conference on climate change in Lagos in November 2012; (3) implementation of a project on improving agriculture and nutrition for women through a grant from the Bill and Melinda Gates Foundation; (4) the organization of a national consensus building workshop on the prevention of maternal and child mortality in Nigeria in 2011; (5) Accreditation of agencies under the Federal Ministry of Science and Technology in Nigeria (2012); and (6) Development of a strategy to address youth developmental and reproductive health needs in two states in Nigeria (2013 - 2015).

1.1 Vision

The vision of the Academy is an improved quality of life for the Nigerian society through the promotion and application of science and technology.

1.2 Mission

The mission of the Academy is 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.

1.3 Aims and Objectives

The aims and objectives of the Academy are to promote the growth, acquisition, and dissemination of scientific knowledge and to facilitate its use in the solution of major problems of national interest. 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
- * conducting 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 38th Council



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 Olusegun Adewoye, FAS

The Public Affairs Secretary. Professor of Material Science/ Managing Partner and Chief Executive, Adewoye Technology Advancement and Innovation Ltd, Abuja, Nigeria.



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



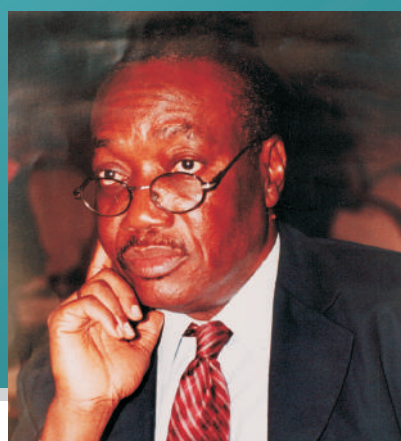
Professor Olusegun Oke, FAS
Representative, Physical Sciences.
Professor of Nutritional Chemistry.



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 Adeyinka Afolayan, FAS
Representative, Biological Sciences. Professor
of Enzymology and Protein Science at the College
of Medicine, University of Ado-Ekiti, Ekiti State.



Professor Fola Esan, FAS
Representative, Biological Sciences. Professor of
Medicine at the University of Ado-Ekiti, Ekiti State.



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 of 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 will assess the nominations received, based on the candidates' fields of expertise. The Committee will then recommend candidates (who get a minimum score) to the Council for possible short listing. Council prepares the final short list of candidates that will then be presented for election. The top 10 candidates with at least 50% of total votes cast will be deemed elected.



Fellows of the Academy at the 2014 Annual General Meeting held in Lagos

In 2014, there were 26 new Fellowship nominations received while there were 21 rollover nominees from the January 2014 elections. These were duly considered by the Sectional Committees and the Council. 14 candidates were shortlisted for election at the January 2015 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, and Lagos State. Staff members at the secretariat at the end of 2014 are:

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



Courtesy visit to the Academy Secretariat by the ASADI evaluation team and Nigerian Young Academy (NYA) Standing from left Dr . Oladoyin Odubanjo, Executive Secretary, NAS, Dr. Tom Arrison, Dr. A.J Akindele, President, NYA, Professor Oyewale Tomori ,FAS , President NAS Dr E.I Unuabonah Immediate past president NYA Dr Foluso Agunbiade ,member NYA ,Miss Dorothy Ngila ASSAF , Professor Turner Isoun, FAS, Professor Rongpin Wu, China Academy of Science



3.0 Highlights of 2014 Events

3.1 The Annual General Meeting

Fellows of the Nigerian Academy of Science gathered together at the EHJ Guest House, Ikeja, Lagos for its Annual General Meeting on the 23rd of January, 2014. At that meeting, the President presented a report of activities in 2013 as well as a report on the finances of the Academy. Subsequently, there was an election of new Fellows of the Academy.

The Academy elected 10 distinguished scientists into its Fellowship. They are: Professor John Adekoya-Professor of Geology; Professor John Agbenin - Professor of Soil-Environmental Chemistry; Professor Dennis Agbonlahor- Professor of Medical Microbiology; Professor Joseph Ahaneku- Professor of Chemical Pathology; and Professor Patrick Aina - Professor of Soil Physics.

Others are Professor Ebenezer Farombi- Professor of Biochemistry; Professor Chichi Ibe- Professor of Oceanography; Professor Adekunle Odunsi- Professor of Obstetrics & Gynecology; Professor Joseph Ojo-Professor of Electrical and Computer Engineering; and Professor Wuraola Shokunbi- Professor of Hematology.

3.2 NAS Science Journalism Award

The Academy hosts an Annual Luncheon in honor of science journalists in appreciation of their contribution towards the promotion of science and technology in Nigeria. Along with the luncheon, NAS has also endowed a 'NAS Science Media Award' to reward outstanding science journalists annually.

This year, the special luncheon for science journalists was held in Lagos on Friday, 25th of April, 2014 at Protea Hotel, Isaac John Street, Lagos. Miss Adebukola Adebayo from the Punch Newspaper was the winner of the 2013 NAS Print Science-Journalist. Each entry was assessed based on creativity, originality, relevance, research, language flow, angles covered, understanding, and information. Miss Adebayo's entry was titled "On the track of blood merchants" which was an investigative report on the blood trade built around the need for blood transfusion by patients at Lagos hospitals. Her award comprised a Samsung Galaxy Note 10.1 tablet, an award plaque, and One Hundred Thousand Naira cash only (N100, 000).

The panel of judges for the Award this year consisted of Professor Olusegun Adewoye FAS (Chair) and Dr Oladoyin Odubanjo from the Academy and two veteran journalists - Mr Demola Oyinlola and Mr Declan Okpalaeké.

3.3 Public Presentation of African Report on Tobacco Control

There was a public presentation of a report on tobacco control in Africa by the regional committee of experts set up by the Network of African Science Academies (NASAC) in collaboration with the US National Academies. The report was titled: Preventing a Tobacco Epidemic in Africa: A call for effective action to support Health, Social and Economic Development. The report presents the committee's evidence-based recommendations for tobacco control in Africa.



The event was chaired by the Lagos State Commissioner for Health, Dr Jide Idris. Other participants at this event included journalists from various media houses in Lagos State, Dr. Gloria Elemo, (DG, FIIRO), Mrs. Hilda Ochefu, (Sub-Regional Coordinator, West Africa, Campaign for Tobacco Free Kids), Dr. Lekan Asuni, Managing Director Glaxo Smith Kline (GSK) Pharmaceuticals), Honourable Hodewu Avoseh, (Chairman, Committee on Health, Lagos State House of Assembly), Dr. Mejebi Phillips, (Representative of the Country Director, WHO), and Mr. Christian Acemah of the United States National Academies.

A keynote presentation on the report was delivered by the President of the Nigerian Academy of Science; Professor Oyewale Tomori FAS, who was the co-chair (along with Professor Francis Omaswa) of the committee of experts. Professor Tomori emphasized that, according to the World Health Organization, the tobacco epidemic is one of the biggest public health threats the world has ever had. Copies of the report can be downloaded from the NAS website.

3.3 Youth Development and Reproductive Health Needs in Two States

In pursuit of its programme to assist in developing action plans to address youth development and reproductive health issues, the Academy has been engaged with the governments of Ekiti and Nasarawa States. Following the completion of a needs assessment study, the Academy held a stakeholders meeting on the 6th of May, 2014 in Lafia, Nasarawa State to brief the stakeholders about the findings of the study. Academy delegates were led by Professors Ekanem Braide FAS and Akinyinka Omigbodun FAS while others in attendance included the Commissioners of key ministries, representatives of the state legislature, journalists, and other stakeholders.

Similarly, the Academy hosted a stakeholders meeting on the 19th of May, 2014, at the Fountain Hotel, Ado-Ekiti, Ekiti State. Participants at this meeting included officials from the Ekiti State Ministries of Education, Science and Technology, Women Affairs and Gender Empowerment, Health, as well as Youth and Social Development. Others were from the state's job creation agency, non-governmental organizations (NGOs), civil society organizations (CSOs), and the delegation from the Nigerian Academy of Science, led by Professors Akinyinka Omigbodun FAS, Fola Esan FAS, and Adeyinka Afolayan FAS.

In collaboration with nominated state officials in both states, the Academy has proceeded to draft Action Plans to address the developmental and reproductive health needs of the youth in both states. All the publications (reports of the needs assessment study and action plans) are expected to be launched by the Governors of both states in due time.

3.4 Public Lecture on HIV/AIDS

In line with its tradition, the Nigerian Academy of Science, at its Induction Ceremony on the 13th of May, 2014, organized a public lecture titled 'Achieving an end to the AIDS epidemic: Laying the ground work'. The Director-General of the National Agency for the Control of AIDS (NACA), who is also a Fellow of the Nigerian Academy of Science, Professor John Alechenu Idoko FAS was the speaker.



Group picture with the guest speaker, Professor John Idoko, FAS (6th left, front row) at the public lecture held in Abuja

Professor Idoko said there has been remarkable progress in tackling HIV/AIDS since the epidemic started three decades ago. He explained that ending AIDS will require more than just biomedical solutions because AIDS is more than a biomedical problem. However, achieving its end is possible and desirable. He said there is need to continue the development of new diagnostics including for early diagnosis of post-exposure infection, vaccines, prevention approaches for young women; long-acting/slow release antiretroviral drugs, and a cure.

3.5 New Fellows Inducted

Following their election at the AGM held in January 2014, these scientists were inducted into the Fellowship of the Nigerian Academy of Science at an event held in Abuja on the 13th of May, 2014. The newly inducted Fellows are:

- **Professor John Adekoya, FAS** - A Professor of Geology at the Federal University of Technology, Akure. He was the first geologist to describe and unravel the mode of occurrence, mineralogy, geochemical composition, mineral chemistry, internal structure, supergene alteration and genesis of the Nigerian BIFs in Maru and Birnin Gwari in Northwestern Nigeria.



Fellows of the Academy getting prepared for induction ceremony in Abuja



- **Professor John Agbenin, FAS** - A Professor of soil-environmental chemistry at the Ahmadu Bello University. Professor Agbenin's research has been directed at the applications of chemical reaction models to understanding soil processes governing phosphorus availability problems in the tropics and soil nutrient dynamics under continuous cultivation to proffer solutions for sustainable management
- **Professor Dennis Agbonlahor, FAS** - A Professor of Medical Microbiology at the Ambrose Alli University (former Bendel State University) and is currently appointed as Professor of Medical Microbiology on contract at the Niger Delta University, Department of Medical Laboratory Science, Bayelsa State. He investigated and documented the prevalence, serotypes, virulence, and antibiogram of *Yersinia* isolates from humans, animals, and the environment in Nigeria.
- **Professor Joseph Ahaneku, FAS** - A Professor of Chemical Pathology and also Vice-Chancellor of the Nnamdi Azikiwe University, Awka. He pioneered the use of lipid and lipoprotein changes as indices of side effects in the treatment of hypertension. He has been leading research work on the quantification of lipoprotein fractions in different disease situations as could be seen from his work on HDL sub-fractions and remnant-particle-cholesterol studies.
- **Professor Patrick Aina, FAS** - A Professor of soil physics at the Obafemi Awolowo University. Professor Aina FAS has made notable contributions to the broad fields of the physics of soil environment, soil processes and dynamics in relation to tillage-induced changes in soil quality as indicated by soil structure and productivity, soil erosion processes, soil water retention, transmission and use efficiency of crops, assimilative capacity of soils to pollutants and environmental quality. He is presently the Vice-Chancellor of Ekiti State University, Ado-Ekiti
- **Professor Ebenezer Farombi, FAS** - A Professor of Biochemistry at the University of Ibadan. He is known, nationally and internationally, for his novel works on the elucidation of the biochemical and molecular mechanisms of kolaviron, a natural antioxidant biflavonoid from the seed of *Garcinia Kola* (bitter kola)
- **Professor Chidi Ibe, FAS** - A Professor of Oceanography at the University of Calabar. His incisive research and benchmark publications on coastal erosion in Nigeria and Africa brought him to national and international prominence. He was an early member of the Intergovernmental Panel on Climate Change (IPCC) that revealed the dangers of Climate Change. He was appointed a Distinguished Scholar in the Diaspora by the National Universities Commission in 2001
- **Professor Adekunle Odunsi, FAS** - A Professor of Obstetrics and Gynecology at the University of Buffalo. His research has focused on understanding the mechanisms of immune recognition and tolerance in human ovarian cancer, and their application to the development of cancer vaccines. He has developed several immunotherapy trials under



the umbrella of the Cancer Vaccine Collaborative Program of the Ludwig Institute for Cancer Research /Cancer Research Institute

- **Professor Joseph Ojo, FAS** - A Professor of Electrical and Computer Engineering at the Ahmadu Bello University, Nigeria. He has made significant contributions to the understanding and analysis of dual stator electric machines and power electric converters. These machines are now used for high power Megawatt range sensitive renewable power generation, all electric ships and aircrafts
- **Professor Wuraola Shokunbi, FAS** - A Professor of Haematology at the University of Ibadan. Her research interests include coagulation disorders (particularly inherited bleeding disorders), haemostasis in sickle cell disease, and psychosocial issues in sickle cell disease, prevention of HIV and AIDS, and blood transfusion.



Some Fellows of NAS seated on the hightable as members of panel of judges at the Schlumberger Excellence in Education Development (SEED) schools science project challenge and exposition

3.6 Collaborating with Schlumberger on Science Education Development

Schlumberger collaborates with the Nigerian Academy of Science (NAS) in a project that gives students and teachers the opportunity to work together on a research project to ignite their passion for science. The 2014 edition of the Schlumberger Excellence in Education Development (SEED), which is the third edition of the project, had 28 schools participating. The year's activities started with an orientation workshop at Randolph Hotel and Resorts, Port Harcourt, from the 9th to the 14th of March 2014 and was followed by an exhibition workshop held at Randolph Hotel and Resorts, Port-Harcourt, between the 6th and 9th of August 2014.

Having been mentored by nominees of NAS, the school teams presented their final science projects at the SEED Schools Science Project Challenge and Exposition held at the Lantana Hall, Eko Hotel, Lagos on Friday, 21st of November, 2014. The Academy's Public Affairs Secretary, Professor Olusegun Adewoye FAS in his keynote speech on 'Science Education, Research, Development and Manufacturing for national Development' noted the nation's inability to grow the economy and be



competitive among nations due to its deficiencies in science education among other factors. The panel of judges included Professors Olaitan Soyannwo FAS and Paul Okonkwo FAS, among others.

The first place winner for the 2014 SEED Schools Science Challenge and Exposition was Tai Solarin University of Education Secondary School, Ogun State, with the project titled 'Water-Powered Automobile'. The second place winner was Calvary Arrows College, Gboko, Benue State with the project titled 'Rapid Response and Accident Prevention Device For Automobiles'; while the third place winner was State Senior High School, Ibereko, Badagry, Lagos State with the project titled 'Flood Warning System (FWS)'. The first prize is a trip to a Schlumberger Research Center in Europe, United States, or Japan, and an upgrade of a Science laboratory for the School.

The second prize is an upgrade of a science laboratory or deployment of a Computing Laboratory for the school and provision of Science teaching and learning kits for the school. The third prize is an upgrade of a science laboratory or deployment of a Computing Laboratory for the School.



Professor Olukayode Dada, FAS (1st left)with students ,teacher (1st left)and principal (1st right) of Tai Solarin College of Education Secondary School .Winner of the SEED schools science project challenge and exposition

3.7 Media Roundtable on Youth Development



L R :Dr .Oladoyin Odubanjo ,Executive Secretary ,NAS ,Professor Oyewale Tomori ,FAS ,President ,NAS ,Professor Alfred Adegoke ,University of Ilorin, Kwara State, guest speaker at the media engagement meeting on youth development, Professor Akinyinka Omigbodun, FAS, Professor Temitayo Shokunbi, FAS, Academic Secretary, Biological Sciences, NAS , Professor Domingo Okorie ,FAS ,Academic Secretary ,Physical Sciences, NAS at the meeting engaging the media on youth development

As part of its project to assist in developing action plans to address social development and reproductive health issues of the youth in Ekiti and Nasarawa States, the Nigerian Academy of Science held a roundtable meeting with media representatives. This media roundtable was held in Lagos (where most national media houses are based) and was aimed at informing the media of the project and to awaken the interest of the media on reporting on related issues. A keynote address titled 'Emerging Crisis: Social development and reproductive health issues of youths in Nigeria' was delivered by Professor Alfred Adegoke of the University of Ilorin, Kwara State. Professor Adegoke pointed out that one-third of the sexually transmitted infections (STIs)

contracted globally each year are among women and men younger than 25years. He explained that one reason for investing in social/youth development (SD/YD) and reproductive health (RH), as a



tool for national development, is because greater maternal morbidity and mortality are consequences of early child bearing. In his presentation, Professor Alfred Adegoke recommended that the federal and state governments need to lead the way by making statutory annual budgetary allocations for relevant evidence-based SD/YD/RH interventions in Nigeria.

Also at the roundtable to address the journalists were Professors Oyewale Tomori FAS, Akinyinka Omigbodun FAS, Domingo Okorie FAS, and Temitayo Shokunbi FAS.

3.8 National Constitutional Conference

The Presidency convened a national conference to discuss various issues in the Nigerian polity and proffer solutions. The conference, which held from the 17th of March to the 14th of August 2014, had various stakeholder group invited to nominate representatives. The Nigerian Academy of Science was represented by its President, Professor Oyewale Tomori FAS, in response to a request by the Presidency. Apart from the plenary sessions, Professor Tomori was a member of the Science and Technology sub-committee.

3.9 AU TWAS Young Scientist National Award

The African Union (AU) and The World Academy of Sciences (TWAS) - for the advancement of science in developing countries; in collaboration with The Nigerian Academy of Science and the Federal Ministry of Science and Technology set up an "AU-TWAS Young Scientists National Award" to recognize the scientific achievements of young researchers working and living in Africa. The award consists of a certificate and \$5,000.

For the year 2014, Dr. Adewale Adewuyi won the award for the Basic Sciences, Technology & Innovation category, while Dr. Festus B. Okoye won the second category for the Earth and Life Sciences.



Cross-section of participants at the media engagement meeting on youth development

4.0 International Activities

4.1 NASAC Science Education Workshop

Professor Olusegun Adewoye FAS represented the Academy at the Science Education Program of NASAC on 27-28 January, 2014 in Nairobi, Kenya.



4.2 Africa Young Academies Regional Conference

An inaugural Africa Young Academies Regional Conference was held in Nairobi from the 3rd to the 5th of February 2014. The conference was supported by the Network of African Science Academies (NASAC) and DAAD Regional Office for Africa with funding from the Robert Bosch Foundation. Professor Oyewale Tomori FAS was a special guest at the First Africa Young Academies regional conference in Nairobi on the 3rd-5th of May, 2014 while the President of the Nigerian Young Academy was also in attendance.

4.3 NASAC-EASAC Workshop on Crop Genetic Improvement Technology

NASAC in collaboration with the European Association of Science Academies (EASAC) organised a workshop on Crop Genetic Improvement Technology. Professor Effiom Ene-Obong FAS participated at the workshop which held in Addis-Ababa, Ethiopia on the 25-26 February, 2014.

4.4 US-Africa Leaders Summit

The President of the United States hosted the Presidents of African countries in Washington DC at the US-Africa Leaders Summit from August 5-8, 2014, with a Science and Technology Side-Event holding at the US National Academies on the 5th. The Summit which was organised in collaboration with the United States National Academies had in attendance the President and Vice-President of NAS, Professors Oyewale Tomori FAS and Mosto Onuoha FAS respectively.

4.5 NASAC Fundraising Training

The Nigerian Academy of Science (NAS) represented by Ms. Gertrude Ogieguata and Ms. Anjola Olaonipekun (Project Officers) were participants at the Network of African Science Academies (NASAC) fundraising training workshop which was held in Nairobi, Kenya on the 6th and 7th of August, 2014.

4.6 Commonwealth Science Conference

The Commonwealth Science Conference organized by the Royal Society and Government of India was held in Bangalore, India between the 25th and 28th November, 2014. Some of the goals of the conference were to inspire young scientists; and to build scientific capacity in the developing nations within the Commonwealth. Representing the Nigerian Academy of Science were the Professor Oyewale Tomori FAS, Professor Ekanem Braide FAS, and Professor Segun Olunloyo FAS. Also, as requested, The Nigerian Academy of Science nominated some young scientists (through the NYA) to attend - Dr Theresa Obiekezie (NAU, Awka), Dr Oluyomi Adeyemi (Redeemer's University, Mowe), and Miss Adedoyin Adedapo (UI, Ibadan).

4.7 IAMP Executive Committee Meetings

Professor Fola Esan FAS represented the Academy at the meetings of the Executive Committee of the Inter-Academy Medical Panel (IAMP) at Rome Italy (15-16 May, 2014) and at Berlin (17th October 2014). The Berlin meeting dovetailed into the meeting 2014 IAMP Young Physician Leaders (18-19 October 2014) and the World Health Summit (19-22 October 2014).



4.8 IAMP Young Physician Leaders Programme

The Nigerian Academy of Science nominated Dr. Ibraheem Olayemi Awowole (Department of Obstetrics and Gynaecology, Obafemi Awolowo University Teaching Hospitals, Ife, Osun State, Nigeria) and Dr. Tolulope Bella-Awusah (Department of Psychiatry, College of Medicine University of Ibadan, Nigeria) to participate in the InterAcademy Medical Panel (IAMP) Young Physician Leaders (YPL) programme and the World Health Summit in Berlin, Germany. The IAMP Young Physician Leaders Programme in conjunction with the World Health Summit 2014 was held in Berlin, Germany between the 16th and 22nd of October, 2014. The workshop encouraged the participants to make personal leadership goals and to discuss with a peer-mentor who would help them follow up on these goals.

IAMP launched the IAMP Young Physicians Leaders (YPL) Programme in 2011 in partnership with the World Health Summit and the M8 Alliance of Academic Health Centers and Medical Universities.

4.9 IAC Executive Committee Meeting

Following its election into the Executive Committee of the Inter-Academy Council (IAC), the Nigerian Academy participated in its first meeting of the Committee from 15-16 May 2014 in Rome. The meeting was held jointly with the Executive Committees of the Inter-Academy Panel (IAP) and Inter-Academy Medical Panel (IAMP). Professor Mosto Onuoha FAS represented NAS at the meeting.

4.10 Regional Study on Climate Change

A meeting held in Pretoria from the on the 1st and 2nd of October 2014 of editors of the NASAC policy brief on climate change in Africa. The meeting was to edit the draft of the policy brief on the subject. In attendance were Professor Jide Alo FAS and Dr Oladoyin Odubanjo.

4.11 NASAC General Assembly

The 10th General Assembly of the Network of African Science Academies (NASAC) was held in Rabat on the 14th of October. In attendance (representing the NAS President) was the Executive Secretary of NAS, Dr Oladoyin Odubanjo. The meeting was hosted by the Hassan II Academy of Science, Morocco and was held along with the international conference on ICT and health by the African Development Bank (AfDB).

4.12 Tenth Annual Meeting of African Science Academies (AMASA-10)

The AMASA-10 (which is the last of the Annual Meetings under the African Science Academies Development Initiative -ASADI - of the US National Academies) was hosted by the Uganda National Academy of Sciences (UNAS) from 8 - 14 November 2014. The theme was Ensuring Country Ownership of Africa's Development Beyond 2015.

The NAS delegation consisted of Professor Oyewale Tomori FAS, Professor Oyebiodun Longe FAS, Dr Emmanuel Abanida (Director Disease Control, National Primary Health Care Development Agency) and Dr Oladoyin Odubanjo.



5.0 Highlights of the Nigerian Young Academy (NYA) Activities

5.1 Introduction

The Nigerian Young Academy (NYA) was inaugurated on Monday, August 30, 2010 by the immediate past president of the Nigerian Academy of Science, Professor Oye Ibidapo-Obe FAS. Also present were the President of the Nigerian Academy of Education, Professor Nduka Otonti, and the Vice-President of the Nigerian Academy of Engineering, Professor A.F. Ogunye. The inaugural workshop was held at the Redeemers University Nigeria, Mowe, hosted by the Vice-Chancellor at the time, Professor Oyewale Tomori FAS.

The NYA is the unified platform for the exchange of ideas across disciplines and regions, nurturing outstanding and aspiring youthful academics and professionals towards improving the state of the nation.



L-R: Mr. Asiedu, Schlumberger, Mrs. Scholastica Lan, Project Manager, NAS, Professor Patience Osadebe, FAS, Dr. Foluso Agunbiade, NYA at the SEED prototype exhibition workshop held in Port-Harcourt

5.2 NYA-UI Workshop for Young Scientists 'Research for Development'

A workshop for young scientists, tagged 'Research for Development', was jointly organized by the Nigerian Young Academy and the Postgraduate School of the University of Ibadan, Ibadan, Nigeria. It was held between 12th and 13th of March, 2014 (for the sciences) at the Board Room of the Postgraduate School of the University of Ibadan, Ibadan, Nigeria.

A second workshop was held for those in Humanities, Education and Social Sciences from 14th - 15th May, 2014 at the same venue. The support of the Dean of Postgraduate School UI, Professor A.O. Olorunishola, and the Sub-Deans, contributed to the success of the workshops.

5.3 Workshop for Young Statisticians

A technical-development workshop titled "Recent Advances in Smoothing and Regression for Longitudinal, Spatial and Event History Data" was organized for Young Scientists in Nigeria by the NYA in conjunction with the Department of Statistics, University of Ilorin, Kwara State, Nigeria on the 7th and 8th of July, 2014.

The facilitators at the event, Dr. S.B. Adebayo and Dr. E. Gayawan, a member of the NYA, conducted theoretical and practical sessions on several spatial and semiparametric regression models in a unifying Bayesian perspective. Participants were taken through introduction to "Structured Additive Regression Models", "Approaches to Modeling Multiple Outcomes (nominal and ordinal)", and "Geoaddivitive Survival Models". Presentations were also made on BayesX, with examples to show how the models discussed could be implemented in the software, and "Fellowship Opportunities and Conferences for Statisticians". Participants clamored for more of this capacity building workshops for young statisticians in Nigeria.



5.4 Courtesy visit to the Federal Institute of Industrial Research (FIIRO)

A delegation of the NYA comprising Dr. A.J. Akindele (President), Dr. E.I. Unuabonah (immediate



L-R: Professor Paul Okonkwo, FAS, Chairman, Publications Committee, NAS, Professor Fola Esan, FAS Representative Biological Sciences, NAS, Professor Domingo Okorie, FAS Academic Secretary Physical Sciences, NAS, Professor Oyewale Tomori, FAS President, NAS at the presentation of the Proceedings of NAS

past President), Dr. E. Gayawan (Financial Secretary), Dr. O. Atolani (Publicity Secretary), Dr. A.O. Morakinyo, Dr. A.A. Adeneye, and Dr. A.H. Adebayo embarked on a familiarization and sensitization visit to the Federal Institute of Industrial Research (FIIRO), Oshodi, Lagos on Wednesday 11th June, 2014. The team was well received by the Director General (DG) of the institute, Dr. Gloria Elemo, and her management team. The visit was highly rewarding for the NYA team especially in view of the facility tour and interactive session with the DG, the management team and the crop of young researchers in the

institute. In the course of the interactive session, both the NYA President and the FIIRO DG made presentations on the NYA and FIIRO respectively, and achievements that have been recorded over the years. Dr. Unuabonah also made a well received and appreciated presentation on Oral and Poster Presentations. NYA sought for a cordial working relationship with FIIRO in the areas of institutional and specialists' collaboration, research and entrepreneurship training, and mutual projection of the NYA and FIIRO.

5.5 Introduction of New National Award for Young Scientists in the Chemical Sciences

In the course of the period under review, a new national award for young scientists, Professor Kayode Oyeboade Adebowale National Prize for Young Scientists in Chemical Sciences, was instituted. This is in line with the NYA goal of identifying and rewarding excellence among Nigerian young scientists/researchers. This award, in addition to the Professor Aderemi Kuku Award for Young Scientists in Mathematical Sciences and Professor Oyewale Tomori Award for Young Scientists in Microbiology, brings the total number of NYA administered awards to three.

5.6 New NYA Members Inducted

Nine new members were inducted into the NYA during its 4th General Assembly held at the University of Ilorin from the 8th to the 11th of July 2014. The newly inducted members are:



Surname	Other Names	Institution
DR. OKOYE	Festus Basden Chiedu	Nnamdi Azikiwe University, Awka
DR. OMONKHUA	Akhere Akuekegbe	University Of Benin
DR. OLAJUIGBE	Samuel Olalekan	University Of Ibadan
DR. JAIYEOLA	Temitope Gbolahan	Obafemi Awolowo University
DR. ASAFA	Tesleem Babatunde	Ladoke Akintola University
DR. OMOROGIE	Martins Osaigbovo	Redeemer's University
DR. AKINYELE	Adejoke	University Of Ibadan
DR. ERUKAINURE	Ochuko Lucky	FIIRO
DR. MAJOLAGBE	Olusola Nathaniel	Ladoke Akintola University

This brings the total number of NYA members to 54 including 6 Associate Professors.

5.7 Fourth General Assembly And National Conference

The 4th General Assembly and National Conference of the NYA with the theme "Harnessing the Potentials of Young Scientists and Diaspora-Home Network for Sustainable National Development" was held at the University of Ilorin, Ilorin, Kwara State, Nigeria from 8th to 11th July, 2014.

The opening ceremony of the event was attended by members of the NYA, lecturers and students of the host University, and dignitaries including the Vice-Chancellor of the University of Ilorin, Prof. Abdul Ganiyu Ambali; the Vice-Chancellor of the Redeemer's University and Keynote speaker, Prof. Debo Z. Adeyewa; and Dr. Dele Oyeku who represented the Director-General of Federal Institute of Industrial Research (FIIRO), Dr. Gloria Elemo. While Prof. Adeyewa spoke on the theme of the conference, Dr. Dele Oyeku delivered the presentation of the DG FIIRO titled "Research and Research Institutes in Nigeria as Instruments for Sustainable National Development". Other presenters at the conference included Prof. Ayo Akinwale, Professor (Mrs.) S.O. Malomo, Professor J.O. Olujide, and Professor A.O. Soladoye who spoke at different times on Research Agenda for Sustainable National Development for the Humanities, Basic Sciences/ ICT, Social and Health Sciences, respectively.

60 scientific presentations from diverse disciplines were presented at the conference. One of the highlights of the event was the presentation of the Professor Kayode Adebawale National Prize for Young Scientist in the Chemical Sciences to Dr. Mutalib Adeniran Aderogba of the Obafemi Awolowo University, Ile-Ife, and Osun State. Thereafter, the awardee made a presentation of his research findings to the general audience. The Professor Oyewale Tomori National Young Scientist Prize for Research in Microbiology and Professor Aderemi Kuku National Young Scientist Prize for Research in Mathematical Sciences were not handed out this year based on the fact none of the applicants were found worthy of the awards.

6.0 News on Members

Professor Nimi Briggs FAS clocked 70years on the 1st of March, 2014. A lecture was delivered by Professor Adewole, FAS in his honour and Professor Brigg's selected writings and addresses, spanning 2006-2013, were launched at the Ebitimi Banigo Auditorium, University of Port Harcourt, Rivers State.



Professor Aderemi Kuku FAS was elected the President of African Academy of Sciences in Nairobi, Kenya.

Professor Abubakar Kaoje FAS was appointed by the President, his Excellency, Dr. Ebele Goodluck Jonathan as a full time commissioner of PENCOM.

Professor Joe Yayock FAS clocked 70years on the 4th of May, 2014.

Professor Isaac Adewole FAS clocked 60 years. Isaac Folorunsho Adewole Foundation (IFAF) was launched in his honour at the University of Ibadan on the 5th of May, 2014.

Professor Turner Isoun, FAS was appointed to Chair the evaluation panel for the African Science Academies Development Initiative (ASADI).

Professor Joseph Okogun FAS was appointed an Emeritus Professor of Chemistry by the University of Ibadan

Professor Joseph Ahaneku FAS was appointed Vice-Chancellor of the Nnamdi Azikiwe University, Awka

Professor Michael Adikwu FAS was appointed Vice-Chancellor of the University of Abuja

Prof Oyewale Tomori FAS served on the US Institute of Medicine (IOM) Committee set up to consider the crucial next phase of the response to the Ebola epidemic-getting to zero cases. Other members of the Committee, with Dr. Margaret Chan, Director-General of the World Health Organization as the Chair, include among others, Dr. Jim Yong Kim -World Bank, Dr. Judith Rodin, - Rockefeller Foundation.

Prof Oyewale Tomori, FAS served on the European Union-Innovative Medicines Initiative (IMI) panel of experts to review proposals submitted for the € 280 million IMI2 Ebola and other filoviral haemorrhagic fevers programme.

Prof Oyewale Tomori FAS is the Co-Chair of the WHO Strategic Advisory Group of Experts (SAGE) Working Group on Ebola, to advise WHO on the potential post-licensure use of the Ebola vaccines in order to mitigate the public health impact of the disease and possibly curtail the ongoing epidemic, as well as to prevent or reduce the risk of spread of disease in the future.



Dr. Leke Pitan, former Commissioner of Health, Lagos State (left) and Lagos State Commissioner of Education (right) with the ASADI Evaluation team on evaluation exercise of NAS partnership with Lagos State Government



APPENDIX



A P P E N D I X A

List of Fellows Since Inception (As Inducted)

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



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S/N	FELLOWS	SPECIALTY	GENDER	YEAR INDUCTED
42	Boyo, Alexander Eyimofe*	Pathology	Male	1977
43	Okonkwo, Samuel N.C.*	Botany	Male	1979
44	Anya, 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 E nukora	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	Organgun, 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	Iyahen, 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
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



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List of Fellows Since Inception (As Inducted)

S/N	FELLOWS	SPECIALTY	GENDER	YEAR INDUCTED
79	Mohammed, Idris	Medicine	Male	1990
80	Ezekwe, Gordian Obuneme*	Engineering	Male	1991
81	Okpako, David Tinakpoewan	Pharmacology	Male	1991
82	Okon, Ephraim Efiog	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.*	Obstetrics & 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
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 & Crop Biotechnology	Male	2000
110	Esogbue, Augustine O.	Intelligent Systems & Control Engineering	Male	2000
111	Petters, Sunday W.	Geology	Male	2000
112	Sambo, Abubakar S.	Mechanical Engineering	Male	2002
113	Ekeke, Gabriel I.*	Biochemistry	Male	2002



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S/N	FELLOWS	SPECIALTY	GENDER	YEAR INDUCTED
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 O.	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, Ibironke	Medicine	Male	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	Osoimehin, Babatunde	Medicine/Chemical Pathology	Male	2006
132	Salau, Akinola Muritala	Solid State Physics/Devices	Male	2006
133	Sofola, Soga	Physiology	Male	2006
134	Soyannwo, Olaitan	Anaesthesia/Pain Management	Female	2006
135	Braide, Ekanem Ikpi	Parasitology/Epidemiology	Female	2006
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



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S/N	FELLOWS	SPECIALTY	GENDER	YEAR INDUCTED
147	Soboyejo, Wole	Material Science & Engineering	Male	2007
148	Bamiro, Olufemi Adebisi	Mechanical Engineering	Male	2008
149	Aghaji, Martin Anthony C.	Thoreacic & Cardiac Surgery/Medicine	Male	2008
150	Dada, Olukayode	Medicine	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/ Conospheric Physics	Female	2010
164	Abubakar, Mohammed K.	Biochemistry	Male	2011
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	Adebowale, Kayode Oyebode	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/Agricultural & Biol. Engineering	Male	2012



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List of Fellows Since Inception (As Inducted)

S/N	FELLOWS	SPECIALTY	GENDER	YEAR INDUCTED
181	Atawodi, Sunday Ene-ojo	Biochemistry	Male	2013
182	Atinmo, Tola	Nutrition	Male	2013
183	Ezeokoli, 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 Microbiology/ Medical Laboratory Science	Male	2014
194	Ahaneku, Joseph Eberendu	Chemical Pathology/ Clinical Chemistry	Male	2014
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
Foreign Fellows				
201	Zewail, Ahmed	Chemistry	Male	2010
202	Albert, Bruce	Biochemistry/ Molecular Biology	Male	2011
203	Clegg, Michael	Biological Sciences	Male	2012
	*Late			



A P P E N D I X B

Sectional Committees 2013-2015

MEMBERSHIP

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