

# DISCOVERIES

CUCRID



A bi-annual publication of  
Covenant University Centre  
for Research, Innovation and  
Discovery (CUCRID)

## Rise and Rise of Covenant University's Research Output, Accolades



Covenant  
Ranks  
**36<sup>th</sup>**  
Among World  
Millennial  
Universities

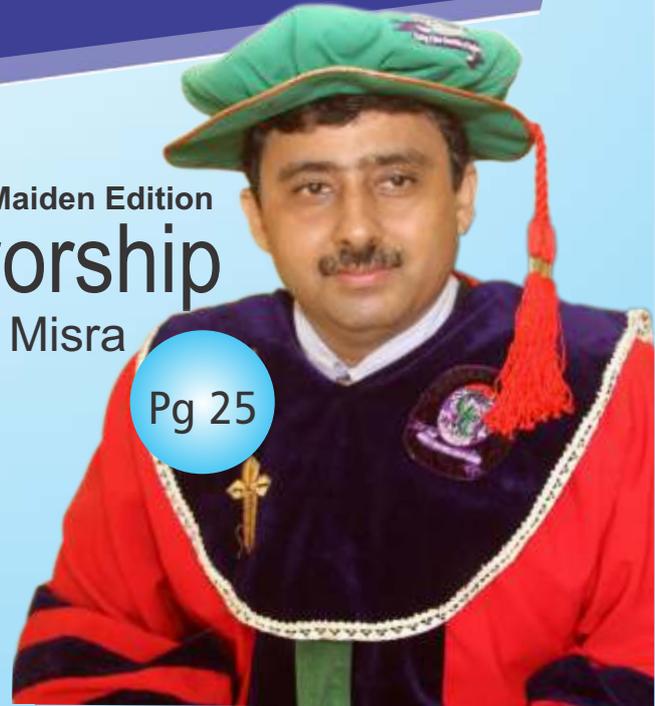
## NOTAP visits Covenant IPTTO, applauds CUCRID



Innovators of the Maiden Edition  
Innovating  
with ADPL Seeds

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Researcher of the Maiden Edition  
**Work is worship**  
-Prof. Sanjay Misra



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*“The Board of Regents of CU is committed to making Covenant University a research based institution and will do everything possible to realize that even if it means sensitizing and motivating the faculty. I see a problem as an opportunity for thinkers and without a problem to solve, there wouldn't have been CU in the first place.”*

**-Dr. David O. Oyedepo**



**Dr. David O. Oyedepo**  
Chancellor, Covenant University

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***“Aim for the Sun and land on the Moon, given that Moon resides in domain Top 10 WCU. This we shall accomplish through the instrumentality of 'Glocalisation' i.e. benchmarking with established (indisputable) World Class Universities, while introducing innovations to address our local contextual needs.”  
– Prof. AAA. Atayero***



Professor AAA. Atayero  
Vice-Chancellor, Covenant University

# Welcome from the Director

It is with great pleasure that I welcome you to the first issue of Discoveries, a publication that is intended to mirror the bustling research and innovation activities at Covenant University. Our plan is to publish this newsletter twice a year, and to include special features, interviews and commentaries that complement the regular research news found on the University website. Research and innovation are the life-blood of any university, and reflects the dynamic academic climate. Intellectual, scientific, and social inquiry and investigation. The research process is central to Covenant University's recognition as a world class university committed to sound scholarship and leadership. Our intention in offering this newsletter is to share the significant and ongoing research conducted by Covenant University faculty,



staff, students and affiliates with the Community. I hope that through these pages, our friends and partners will appreciate the role that research plays in the University's professional development. In this issue, we have a lot to share with you. Please take a few minutes to read through the highlights and explore the links to additional information of interest. Also, look out for future editions of our

newsletter. Finally, we would appreciate your feedback and suggestions on how to improve the research newsletter.

Thank you for your support.

Sincerely,  
Emeka Iweala, Ph. D.  
Director, Covenant University Centre for Research, Innovation and Discovery (CUCRID)

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# Rise and Rise of Covenant University's Research Output, Accolades

In its bid to achieve the "Vision 10:2022" of becoming one of the top 10 universities in the world by the year 2022, Covenant has taken giant steps that culminated in the steady rise of its profile in virtually all parameters crucial to the realisation of the vision. In the area of research output, the University has recorded an increase of over 906.36%. This came as a result of publication output in international peer-reviewed outlets in Scopus and Web of Science.

Precisely, in 2012 when the vision was unveiled, the cumulative publication

profile of Covenant was 396 and it grew steadily to 3340 in 2018. However, the research tempo increased exponentially in 2016 due to its Management's innovative, analytical and visionary 'ReCITE' approach for the attainment of the Vision. 'ReCITE' is an acronym for Research is our responsibility, Citation + Innovation brings Income and Teaching is our goal. With the sponsorship of research publications and implementation of a new reward regime for research active faculty in the promotion policy, the University's research output increased from 447 publications in 2016 to 599 in

2017 and 1107 in 2018

This upsurge in research engagement equally boosted Covenant's rankings in the comity of world universities and attracted to it numerous awards and recognitions. In September 2018, for instance, the world ranking body, Times Higher Education (THE), in its rankings for that year, ranked the University within the 601-800 bracket of the THE global rankings. The University also entered the Subject Rankings for the first time in the Business and Economics subject category ranking 501+ globally.

In 2019, the university moved up in the league table of World Universities. It was ranked by THE as the 6th Best University in Africa, sharing the position with 10 other universities on the continent. In the global ranking, the University remained in the 601-800 range.

Furthermore, in another THE ranking by subject, Covenant was ranked in the 501-600 brackets in



Engineering and Technology as well as Business and Economics. Remarkably, it was the only Nigerian University ranked in this subject category.

The analysis of the ranking for Engineering and Technology indicated that the University got 56.6 points in Citations; 43.6 in Industry Income; 34.4 in International Outlook; 7.8 in Research; and 18.7 in Teaching. For Business and Economics, Covenant recorded 22.7 in Citations; 78.9 in Industry Income; 9.6 in International Outlook; 16.5 in Research; and 27.9 in Teaching.

In addition, Covenant recorded another big milestone as it ranked 301+ in the maiden edition of the Times Higher Education University Impact Rankings held in South Korea on April 3, 2019. The ranking placed the University in the elite group of Top 1.2% of universities globally.

According to THE, the University's latest ranking was premised on its scaled and pre-rounded performance on Sustainable Development Goal 17 (SDG 17– Partnership for the Goals) and its top three SDGs. These included the

SDG 4 (Quality Education, 201-300); SDG 16 (Peace, Justice and Strong Institutions, 101-200); and SDG 3 (Good Health and Wellbeing, 301+). Others are SDG 11 (Sustainable Cities and Communities, 201+), SDG 8 (Decent Work and

Economic Growth, 201+), SDG 9 (Industry, Innovation and Infrastructure, 201-300), and SDG 5 (Gender Equality, 301+).

Also, in June 2019, Covenant blazed the trail again as it ranked among the Top 200 in





- Ranks No. 6 University in Africa (Times Higher Education THEWUR2019)
- Ranks No. 1 University in West Africa (Times Higher Education THEWUR2019)
- West Africa's leading University in Research, Industry Partnerships, International Outlook and Teaching
- Ranks No. 1 University in Nigeria (Times Higher Education THEWUR2019)
- Among the top 3% of all universities in the world
- Ranks Top 200 in THE's Young University Rankings (YUR) 2019
- Ranks 36th University in THE's Millennial University Rankings 2019
- Ranks 151st University in Emerging Economies Ranking 2019
- Ranks 501-600 in Engineering & Technology Ranking 2019
- Ranks 501+ in Business & Economics Subject Ranking 2019
- Ranks 301+ globally in THE's Inaugural World Impact Rankings (THE WUIR 2019)
- Among the top 1.2% of all universities in the world

 <p><b>Covenant University</b> RANKED 301+</p>  <p>www.thewur.com</p>	 <p><b>Covenant University</b> RANKED 201-300</p>  <p>www.thewur.com</p>
 <p><b>Covenant University</b> RANKED 201-300</p>  <p>www.thewur.com</p>	 <p><b>Covenant University</b> RANKED 201+</p>  <p>www.thewur.com</p>
 <p><b>Covenant University</b> RANKED 301+</p>  <p>www.thewur.com</p>	 <p><b>Covenant University</b> RANKED 101-200</p>  <p>www.thewur.com</p>
 <p><b>Covenant University</b> RANKED 201+</p>  <p>www.thewur.com</p>	 <p><b>Covenant University</b> RANKED 301+</p>  <p>www.thewur.com</p>



President, IEEE, Presenting Vice-Chancellor, Professor AAA. Atayero, with an award

## Covenant Ranks 36<sup>th</sup> among World Millennial Universities

Covenant University has been ranked number 36 in the world and number 2 in Africa among the best millennial universities founded since the year 2000. According to the latest Times Higher Education (THE) Millennial University Rankings 2019 released in June 26, Covenant ranked joint 36 with seven other universities in the ranking, which featured the best 64 universities from 29 countries/regions that are 50 years old or younger. France produced the top two universities namely, Paris Sciences et Lettres – PSL Research University Paris and Sorbonne University.

Covenant, which made its entrance for the first time in the THE Millennial Ranking, was the only Nigerian and West African university in the rankings. The ranking is a subset of the THE Young University Rankings, where the Covenant also made its debut this June and ranked within the 151-200 bracket.

the THE's 2019 Young University Rankings (YUR). To be precise, the University ranked within the 151-200 bracket and was the only Nigerian University both private and public featured in the rankings, which further validates its towering position as the best University in Nigeria and West Africa.

As the research profile of

Covenant continue to rise and rise in fulfilment of Vision 10:2022, it is certain that this astounding narrative of the University in barely 18 years could not have been possible without the visible hand of God at work coupled with the tenacity of purpose of its proprietors and dedicated stewardship of faculty and staff.



Vice-Chancellor, Professor AAA. Atayero, Members of Covenant Centre for Research, Innovation and Discovery (CUCRID) displaying the Most Outstanding Tertiary Institution Award won by Covenant at the Proudly Nigeria Awards

# Covenant produces 40% of top 20 Authors, dominates multidisciplinary research in Nigeria

**L**atest report by Elsevier's SciVal (an online tool that offers access to research performance) has revealed that 40% of the top 20 authors in Nigerian institutions were produced by Covenant. This has distinguished the University as one of the most research-active universities in Nigeria.

the assessment of the top 500 authors in Nigeria from 2013 to 2018 and it ranked scholars according to their number of publications.

Among the topmost Covenant authors who made the list were Professor Sanjay Misra, Dr. Ojo Fayomi, Dr. Moses Emetere and Professor Cleophas Loto.

In another report by SciVal, Covenant and no fewer than its 17 authors were ranked as top leaders in multidisciplinary research in Nigeria.

The report revealed that, among the top 500 authors in multidisciplinary research in Nigeria, 17 out of the first 20 authors were from Covenant University. It showed that, Covenant occupied the first 10 positions without an intermission. This attested again to the high-level research culture in Covenant, a university poised to become one of the leading universities in the world

In addition, Covenant topped the list of all the higher institutions in Nigeria with 162 scholarly publications, followed by the University of Ibadan and Ahmadu Bello University with 53 and 37 publications respectively. The result, which also spanned from 2013 to 2018, set Covenant way ahead of her counterparts. The 162 publications from Covenant were generated by 258 authors and they also attracted a total of 437 citations.



Professor Sanjay Misra



Professor Cleophas Loto.



Dr. Ojo Fayomi



Dr. Moses Emetere

The report was based on

# CUCRID records success at “Making Innovation Happen”

It was quite illuminating and empowering at the first-of-its-kind innovative workshop for product developers organized by the Covenant University Centre for Research, Innovation and Discovery (CUCRID) themed: 'Making Innovation Happen: Masterclass Series'.

Proven innovators, including the Vice-Chancellor, Professor AAA Atayeron, facilitated the workshop, which imbued participants with 21st Century savvy skills for cutting-edge research and innovative product development.

Professor Atayero while making his presentation titled 'What Innovation Is' urged the participants drawn mainly from the University to embrace innovation by striving to device creative ideas or create products that would be valuable and impactful in the society.



Vice-Chancellor, Professor AAA Atayero, making his presentation on the topic Making Innovation Happen

A 2013 Covenant graduate, Mr. Iortim Ogenetegha, who

He situated the context of the discourse by citing Nick Skillicorn, the CEO and Founder of Improvides Innovation Consulting who says, "Creativity is thinking of something new. Innovation is the implementation of something new".



Director, CUCRID, Professor Emeka Iweala, making his remarks

also made presentation at the workshop with the topic, 'Innovation and Design', said innovation was a new idea, method or device synonymous to novelty, while design was an underlying scheme that governed functioning,

According to him, the implementation of a novel idea, which addresses a specific challenge helps, achieves value for both the company and customer in a new (and potentially disruptive) way.

underlying scheme that governed functioning,



Dr Stephen Oluwatobi, Deputy Director, Commercialisation, CUCRID, making his presentation



Mr. Iortim Ogenetegha, making his presentation

developing or unfolding.

Ogene te gha, whose innovative product "GRIJ FRIJ" helps to preserve vaccines administered on people in remote areas, highlighted steps to innovative thinking as: identify the problem, understudy the status quo and identify the status quo loopholes among others.

On what led to his innovation, he explained that about 19.4 million infants lacked access to vaccines, 52% of anemic patients died within 8 hours of not receiving blood, and 40% of maternal death in Africa were due to blood inaccessibility, all occasioned by the lack of cold chain storage.

He attributed these challenges to the inability to track items in real time; inability to view temperature, security and locations history; inability to maintain prescribed temperature; and unavailability of data that facilitates prediction.

He said that GRIJ FRIJ, was developed as a solution because it was a smart cold chain box built to actively keep critical commodities in healthcare at regulated temperatures during storage and transportation.

While speaking on the topic, 'Innovation that Brings Income', the Deputy Director, Commercialization, CUCRID, Dr. Stephen Oluwatobi, emphasized that value creation is core to innovation as people pay for what they value. He added that, money was in the value, and innovation must be taken to the point it was valued from raw to refine.

He explained that, to create, capture and deliver the value as well as generate revenue from it, the innovator must consider factors such as; customer segment, value proposition, channels of

delivering value to the customers, customer relationships amongst others.

Earlier in his welcome remarks, the Director, CUCRID, Professor Emeka Iweala, while appreciating the Vice Chancellor's acceptance as a facilitator at the workshop, said that the workshop was the first in the series, adding that it was purposely to educate faculty, staff and students on what innovation was all about.

According to him, for advancement and developments to happen in the technology industry, academics should not only focus on publications but on innovations, inventions that would impact the society.

Present at the workshop were the Deputy Director, Research and ODL, CUCRID, Dr. Agboola Mayowa, senior and junior faculty as well as staff and students.



Vice-Chancellor, Professor AAA. Atayero with other participants at the Seminar

# NOTAP visits Covenant IPTTO, applauds CUCRID

The National Office for Technology Acquisition and Promotion (NOTAP) has applauded the headship of Covenant University Centre for Research, Innovation and Discovery (CUCRID) for the high level of organization, supervision and coordination of the University's Intellectual Property Technology Transfer Office (IPTTO).

The encomium was bestowed during the resource evaluation visit of NOTAP to the University's IPTTO to ascertain its status and performance in line with NOTAP's responsibility of promoting and strengthening of interaction and linkage between university and



Officials of CUCRID with Professor Steve Adegbite from NOTAP

industries.

The Team led by a NOTAP Consultant, Professor Steve Adegbite of Obafemi Awolowo University (OAU), Ile-Ife, Osun State, said the exercise was a novel one in the anal history of NOTAP and billed to take place in all the 43 institutions that signed Memorandum of Understanding with NOTAP.

NOTAP team had robust discussions with the CUCRID staff led by the Director, Professor Emeka Iweala. The CUCRID Director gave lucid narratives of the research centre's

profile and oversight functions in driving research, innovations and product development inconsonance with the university's compelling vision of becoming one of the top 10 universities in the world by the year 2022.

Professor Iweala informed the evaluators of plan to establish grant management office in CUCRID that would help to package and manage internal and external grants as well as build the capacity of the university faculty/staff in art of winning grants. He said part of the plan would be geared towards restructuring the university's internal grant systems into units such as thematic



Vice-Chancellor, Professor AAA. Atayero, presenting some souvenirs to Professor Steve Adegbite from NOTAP

research, research grant, grant for workshops support and new product development.

In addition, he stated that CUCRID is committed to build research capacity in the university in the area of publications and inventions impactful to the society. In line with this, he said CUCRID recently instituted an innovative workshop series themed "Making Innovation Happen -Master Class" to expose researchers and product developers to the mindset of the innovator, what innovation really is, its relevance in the world and how to make it happen. The maiden edition held on 28th of March 2019.

Professor Iweala also informed the NOTAP team that the University has registered 16 patents and a Trademark while 23 applications for patents are awaiting NOTAP's approval. He stated that the university has a vision of

commercializing its products, adding that efforts were being made to woo investors who could invest in the patented products.

Also in his remarks, the Deputy Director, Commercialization and Linkages, Dr. Stephen Oluwatobi, emphasized the importance of leverage on research beyond the shelf. This, he said, helps to promote products that are of commercial value. "In Covenant University there are some of the products that had been moved from shelf to the public. For instance, Covenant through its research initiatives has helped provide electricity rechargeable power pack to a village called Isalu. In Isalu, community people make use of the rechargeable electricity power pack to charge their lamps, phones etc. With this, Covenant has been impacting its immediate community," he opined. He also mentioned the community impact valued

chain created by Covenant Enactors, a platform where both faculty and students invent products that address needs of communities.

The Deputy Director, Research and ODL, Dr. Muyiwa Agboola, who also answered questions on research active faculty in the University, mentioned some of them who have over hundred publications in high impact journals and are listed among the nation's best. He gave the names of the top five as Professor Sanjay Mistra, Dr. Ojo Fayomi, Dr Moses Emeteri, Dr. Hilary Okagbua and Professor Cleophas Lotto.

Other members of CUCRID team who spoke at the meeting included Principal Information Officer (Industry Partnership), Emmanuel Igbani, Head of Operation, Vincent Olumuyiwa, Administrative Officer, IPTTO Office, Mrs. Ejiro Olutimo and members of the Legal team headed by Dr. Ebe



Officials of CUCRID with Professor Steve Adegbite from NOTAP

Igbinoba.

At the end of the meeting, NOTAP team leader, Professor Adegbite, commended Covenant University and CUCRID team for having great research and commercialisation initiatives as well as the numerous patents registered within a short period, stating that most universities do not go beyond having their products on the shelves.

The Team who latter paid a courtesy visit to the Vice-Chancellor, Professor AAA. Atayero, told him that they had a robust discourse with the CUCRID team, adding that its metrics and standards for measuring excellence are quite commendable and hopefully will help the University's IPPTO become very virile and more innovative.

Professor Adegbite, who is a professor of Entrepreneurship and Business Strategy, thanked the Covenant University Management for its contribution in shaping Obafemi Awolowo University's Entrepreneurial Development Studies (EDS) programme, during the early days of the programme in the University. He noted that when OAU wanted to incubate the EDS programme, the National Universities Commission asked the institution to visit Covenant University. "You are synonymous with excellence, so I'm not surprised at the work being done by the CUCRID team," he said.

On his part, Professor Iweala told the gathering that the interaction with the visiting team had been very sincere and beneficial, adding that the exercise would afford the IPPTO Unit the opportunity to advance its operational structures. He promised a new engagement with NOTAP that would facilitate the speedy movement of research products from the shelves to becoming tangible products and services.

In his remarks, the Vice-Chancellor, Professor AAA. Atayero, said evaluation was a necessary tool for improving on existing structures and as such, Covenant would be ready to subject its processes to genuine peer review with the goal of benchmarking and adhering to best practices.

Professor Atayero noted that with the plethora of opportunities available to mankind at this point in history, there was urgent need to tap into the power of ideas to alleviate poverty. "An Idea will remain useless when it is not implemented. It is when ideas are concretized and commercialized that they will eventually change lives and yield profits," he enthused.

He noted that patents in Covenant University were no longer something to be celebrated and move on with, but they must start paying for themselves through the process of

commercialization. The Vice-Chancellor canvassed for the adoption of new ideas and approach in doing things, which would help leapfrog obstacles and produce positive disruptions in the body polity.

He called for a radical change in the nation's thinking process, with a view to making the world a better place and meeting the 2030 lifeline for delivering on the United Nations Sustainable Development Goals (SDGs). According to him, government, policy makers and regulators should take away impediments from the path of those that are ready to provoke change and embrace a departure philosophy that could advance development for the nation.

Present at the meeting with Vice-Chancellor were the Deputy Vice-Chancellor, Professor Akan Williams; Director, Financial Services, Mr. Paul Uwajeh; Director, Vice-Chancellor's Office, Dr. Gershon Obindah; Deputy Director Research and ODL, CUCRID, Dr. Mayowa Agboola, Deputy Director, Commercialization, CUCRID, Dr. Stephen Oluwatobi; Principal Information Officer, Mr. Emmanuel Igban; Head of Operations, CUCRID, Mr. Vincent Olumuyiwa and representatives of the Legal Unit.

## LIST OF COVENANT UNIVERSITY PATENTS BETWEEN MARCH 2010 TO MAY 2018

S/N	NAME OF INVENTOR	TITLE OF INVENTION	SECTOR	YEAR OF SUBMISSION	DATE OF FILING AT PATENT REGISTRY	PATENT NUMBER
1.	Prof. Louis O. Egwari	from whole Fauna of Sun Dried Crayfish and Exoskeleton of Crabs and Shrimps	Pharmaceutical/Chemical	October 2009	04-03-2010	NG/P/2010/216
2.	Prof. Louis O. Egwari	Production of Beverage Drinks from Pawpaw Fruits	Agro-Allied	October 2009	04-03-2010	NG/P/2010/212
3.	Prof. Louis O. Egwari	Description of Processes in the Production of Fermented Rice Product	Agro-Allied	October 2009	04-03-2010	NG/P/2010/213
4.	Dr. (Egnr.) Francis Idachaba	Design of a Low Power Bidirectional Transceiver Architecture for GSM Base Station Transceiver	Electrical	October 2010	08-10-13	NG/P/2013/614
5.	Mr. Friday Michael	DOF-Techno Universal Energy System	Electrical	October 2011	08-10-13	NG/P/2013/620
6.	Mr. Friday Michael	DOF-Shadow Sensitive Illumination Computer Keyboard	Electrical	October 2011	20-11-13	NG/P/2013/757
7.	Dr. (Egnr.) Francis Idachaba	Renewable Charge Harvesting Architecture for the Design of an Electric Bus	Electrical	November 2012	20-11-13	NG/P/2013/746
8.	Dr. T. V. Omotosho et al	Solar Powered Generator	Electrical	December 2014	16-04-15	NG/P/2015/102
9.	Ayara Williams A.	Solar Charged Laboratory Bench Power Supply	Electrical	December 2014	16-01-15	NG/P/2015/103
10.	Dr. V. O. Matthews	Apparatus and Production of Dynamic Cake	Electricity	May 2015	02-06-16	NG/P/2016/133
11.	Dr. V. O. Matthews and Dr. E. Adetiba	Vehicle Accident Alert System	Electricity	May 2015	02-06-16	NG/P/2016/129
12.	Dr. V. O. Matthews	Belt Tracker	Electricity	May 2015	02-06-16	NG/P/2016/127
13.	Dr. V. O. Matthews	A covert Acoustic System with human sensor	Electricity	May 2015	01-06-16	NG/P/2016/124
14.	Dr. Victor Matthews	An intelligent executive chair	Electricity	May 2015	02-06-16	NG/P/2016/131
15.	Prof. James A. Omoleye et al.	Integrated Dual Powered Automobile Engine	Electrical	February 2016	10-11-2016	NG/P/2016/410

16.	Prof. J, Omoleye/ Mr. Ifeanyichukwu Ekem	The Production of Dry Fermented Ogi From Corn and Guinea Corn	Chemical	February 2016	10/11/2016	NG/P/2016/411
17.	Prof. J. Omoleye/ Mr. Olusegun Igbamerun	Double Option Vehicle Speed Limiter	Mechanical	February 2016	10/11/2016	NG/P\2016\414
18.	Prof. James A. Omoleye et al.	The Production of Protein Nutrient From Parkia Biglobosa Seed	Agro-Allied	February 2016	06-10-16	NG/P/2016/412
19.	Prof. J, Omoleye	Production of Wine Brand from the Extract of Habibus Sabdariffa	Agro-allied	March 2016	10/11/2016	NG/P/2016/413
20.	Dr. Francis Enejo Idachaba	Pipeline Leak Inhibitor Tool For Onshore and Offshore Crude Oil Pipeline Networks	Electrical	September 2016	14-06-2017	NG/P/2017/369
21.	Dr. Fracis Enejo Idachaba	Offshore Pipeline Leak Containment Tool	Chemical	September 2016	23-06-2017	NG/P/2017/371
22.	Dr. Fracis Enejo Idachaba	Automatic Solar Panel Cleaning Machine	Electrical	September 2016	23-06-2017	NG/P/2017/374
23.	Dr. Fracis Enejo Idachaba	Offshore Pipeline Monitoring Tool	Electrical	September 2016	14-06-2017	NG/P/2017/373
24.	Owoeye Taiwo Felicia, Akinlabu Deborah Kehinde	Production of Livestock Feeds From Adenantha Pavonina Linn Seed	Agro-Allied	May 2017	08-05-18	NG/P/2018/147

1. Your gain is tied to your brain
2. The mind of man is the workshop for creativity
3. Creation has ended but discovery is endless
4. It is the use of your head that puts you ahead
5. The cheapest way to put an end to slavery is to put your head to work
6. Your mind is the richest mine in the world. It is when your mind is put to work that natural resources can have meaning
7. People who make observations can never be stranded
8. You can't think poor and mistakenly get rich
9. Your thinking determines your living
10. Your battles are essentially in the mental realm
11. It is what you *inculcate* into your person that you radiate tomorrow
12. First understand that you are a spirit being not a spiritual being
13. In every battle you must be able to identify yourself

### wisdom saying of Dr. David O. Oyedepo on Creativity, Identity & Mentality

14. You need the heart of a lion to have your lion share
15. Your *make-up* is vital to your *end-up* no matter your spiritual illumination
16. Until something changes within you nothing changes around you
17. What you have is not what brings fulfilment. What you add is what brings fulfilment
18. You cannot be envied by angels and pitied by men
19. Environment can rob you of your true identity
20. It is your picture of yourself that becomes your confidence in the face of opposition. Your portion is not delivered by meekness but by violence

# NIPOLI /Nigeria International Poultry and Livestock Expo



**N**IPOLI in collaboration with the Nigeria International Poultry and Livestock had their exposition themed 'Innovation for Sustainable and Resilient Livestock SMES Development in Nigeria' on 3rd -5th April, 2019 at the International Conference Centre, University of Ibadan, Ibadan.

The exposition attracted key stakeholders in the poultry and livestock value chain, including manufacturers of agro-allied products from within and outside the country. CUCRID

commercialization and industry partnership team led by Deputy Director, Commercialization and Linkages, Dr. Stephen Oluwatobi, Principal Information Officer, Industry Partnership, Mr. Emmanuel Igban and two Product Developers, Mrs. F.T. Owoeye and Mrs. D.K. Akinlabu represented Covenant University at the event.

It was a veritable platform explored by the CUCRID team to expose newly patented agro feed products formulated by Mrs. Owoeye and Mrs. Akinlabu for

commercialization. Thirteen of the products variants (Broiler starter mash, Broiler finisher mash, Chick mash, Grower mash, Layer mash, Fish feed, Turkey starter mash, Turkey finisher mash, Goat complete feed, Cattles complete feed, Sheep complete feed, and Pig feed) were exhibited. All the products received positive reviews, good endorsements and referrals by over 50 visitors to the University's stand. Such heartwarming feedback indicated commercial viability of the products.

# Aviana Aviv West African Expo 2019

Following the success recorded by the University at the agro exposition in Ibadan earlier in the month, CUCRID team were invited to Aviana Aviv West African Expo 2019, an international agro-allied exposition for West African sub-region, held on Wednesday 24th April through Thursday 25th April 2019 at the International Conference Centre, University of Ibadan, Ibadan. The event drew exhibitors and stakeholders in the agro industry from all over West Africa and beyond. It was a strategic outing for

Covenant University team led by the Director, CUCRID, Professor Emeka Iweala, who used the event to consolidate on the commercialization drive for its agro feed products formulated by two Covenant researchers, Mrs. F.T. Owoeye and Mrs. D.K. Akinlabu. The team whose other members included Deputy Director, Commercialization and Linkages, Dr. Stephen Oluwatobi, Principal Information Officer, Industry Partnership, Mr. Emmanuel Igbani and the two product developers, made a resounding presentation at

the event's lecture session that drew 52 guests, including feed millers, additive manufacturers farmers etc., to the University exhibition stand. Highpoint of the outing was the selection and distribution of sample feeds to eight farmers for experimental use in their respective farms for six weeks and thereafter generate independent data to validate the efficacy and commercial viability of the products. The data when generated will serve as a veritable market tool in our commercialization drive.



# Serial grants winner educates researchers on how to win grants



*Professor Esther Akinlabi, making her presentation at the seminar*



*Dr Ada Peter, making her presentation at the SPS workshop*

Covenant University management have continued to build the capacity of its faculty, staff and postgraduate students in the art of writing and winning grants even as the researchers continue to attract external funding for their research endeavours.

In one of such seminars hosted recently by College of Engineering of the University, a serial grants winner, Professor Esther Akinlabi declared that faculty and students of Covenant has the

potentials to win grants and perform better in their research endeavor.

In her presentation captioned, 'Grantsmanship and Fellowship Acquisition for Academic, Institutional and Community Impact', Professor Akinlabi, a professor of Mechanical Engineering, currently on sabbatical in the Department of Mechanical Engineering from the University of Johannesburg, South Africa, enumerated the approaches to competitive applications to winning grants. She noted

that a grant applicant should identify the funding; prepare to write the grant application proposed; examine the criteria, checklist, outline and collaboration; complete the grant application; ask colleagues to assist with review; and submit before the lifeline. She added that if one had never applied for grant, he/she should seek the assistance of an experienced applicant.

She expressed her confidence in the ability of

faculty and students of the University to win grants due to their innovative ideas and the quality of work carried out by them.

Professor Akinlabi, who is ranked among the top three researchers in Johannesburg, noted that eligibility, theme and priority were important in research funding process, being the first things looked for by people on panels to consider applications.

She encouraged faculty and students in the College of Engineering to tap into opportunities offered by funders as science and

engineering have the highest number of grants in the world.

While admonishing academics to ensure that they have individual development plan and reflect on their short, medium and long term goals, Professor Akinlabi, who is also a winner of 38 grants in 8 years, posited that an academic must excel in the followings five key performance areas which includes; Teaching and Learning, Research Output, Grants and Student Supervision, Administration, Community Development, and Individual Value Add.

According to her, “As full professors, we must teach. If you are doing research, you go to class to teach and motivate the students. Administration is good for our CV for us to be recognized the all over the world as an academic.

In a similar development, the School of Postgraduate Studies has organized grant writing clinic for its students. The Director of International Office and Linkages, Dr. Ada Peter, who attracted high profile grants to the University, facilitated the hands-on.

“Either write something worth reading or do something worth writing.”  
- Benjamin Franklin

One of the United States' Founding Fathers, Benjamin Franklin had a penchant for electricity and recognizing the electrical force in lightning, created a lightning rod that would protect peoples' homes from damage. He also invented bifocal glasses and the Franklin stove – a metal lined fireplace.



# Hebron Startup Lab receives British Council's Scale Up Grant



*Student Innovators at the Hebron Startup Lab*



*Student Innovators at the Hebron Startup Lab*

**T**he Covenant University's Hebron Startup Lab (HSL) has received a £10,000 scale up grant from the British Council. The grant will be jointly utilized with Kwara State University's Entrepreneurship Centre (EC) for the purpose of launching and developing Startup and Spin-off companies to solve problems, create wealth and

generate employment opportunities.

Both Covenant's HSL and K W A S U ' s E C are collaborating with the Centre for African Entrepreneurship and Leadership (CAEL), University of Wolverhampton, with CAEL as the leader of the project.

The project activities include: Exchange visits for Covenant and her UK partners, the

equipping of a work space for students to use as they develop their Startups, and it will culminate in an exhibition to showcase the outputs.

The project will run in three 12-month phases with these specified outcomes in each year: High-growth of entrepreneurs (student entrepreneurs) between September 2019 and April 2020, with 40-50% increase in enrolment of prospective entrepreneurs indicating a measure of success; Number of start-up and spinoff companies generated by April 2021 should be an average of 3 spinoffs quarterly; and Jobs created by the startup/spinoff companies by April 2022 should be an average of 5-10 employees per spinoff.

Also, based on the proposal, the project is expected to have impact in different ways. These include: Enhance students' creativity and ability to set up their own business; Knowledge exchange and knowledge transfer in spin-offs; Commercialisation of intellectual assets and research outputs;

# Owoeye, Akinlabu Innovating with ADPL Seeds



*Mrs Taiwo Felicia Owoeye and Mrs Kehinde Deborah Akinlabu*

They are two unique souls united by birth and passion for knowledge discovery. Their joint aspiration and accomplishments have disproved the popular assertion that two people who look the same do not necessarily have the same dreams. Such a unique synergy makes the story of our first Biannual Innovator Award winners, Mrs. Taiwo Felicia Owoeye and Mrs. Kehinde Deborah Akinlabu quite exceptional. They are not just sisters and twins. They are best friends, research partners, and they jointly discovered ADPL ORGANIC SUBSTANCE, a highly nutritive and medicinal seed. Their

dogged laboratory and field studies have led to the extraction of thirteen agro feed products that have been patented and currently in the process of commercialization. Behind every glory is a story. The feats recorded by Owoeye and Akinlabu was ignited by an inspiration gleaned from a motivational messages of Dr. David Oyedepo, the Chancellor of Covenant University at the University's annual Executive Advance programme (known as retreat in other climes) for Faculty and Senior Non-Teaching staff in 2015. "Those inspirational messages of the Chancellor, especially his advice that we

should look inward for solutions to local problems, spurred me to undertake research projects on plant seeds in the University campus. My sister and I prayed for divine direction in our exploration."

Owoeye, a chemist and Senior Technologist in the Department of Chemistry, became the lead researcher while her sister a biochemist and Senior Technologist in the Biological Sciences department was more than a dependable research ally in the arduous tasks. "We faced some initial challenges, including domestic and health related problems as well as discouragements from some faculty who underrated our research capacity. But faith in God and determination to succeed helped us to weather the storm", says Owoeye, who was also emboldened by the success story of Michael Faraday, a laboratory attendant cum chemist that became one of the greatest scientists of the 19th century. Owoeye and Akinlabu's breakthrough came in 2015 when third substantive Vice-Chancellor of Covenant,



Mrs Owwoeye and Mrs Akinlabu receiving certificate of patent from the Honourable Minister of Science Technology, Dr Ogbonnaya Onu

Professor Charles Ayo initiated the Dreamers project aimed at promoting revolutionary projects through the creation of an enabling environment and ecosystem that facilitated the springing up of startup companies on campus. They were amongst the only nine out of over 120 applicants that sailed through the rigorous selection processes. The University invested in their project and provided the infrastructural support to enable its operation. Through dint of hard work and tenacity of purpose, their laboratory experiments on one of the plants seeds, code-named: ADPL ORGANIC SUBSTANCES, yielded essential (edible) oil extracts, medicinal body cream, hair cream and

antiseptic soap as well as 13 agro feeds variants. The feeds are Broiler starter mash, Broiler finisher mash, Chick mash, Grower mash, Layer mash, Fish feed, Turkey starter mash, Turkey finisher mash, Goat complete feed, Cattles complete feed, Sheep complete feed, and Pig feed. The products have undergone the process of internal and external

experimental validations in reputable research centres, including the International Institute for Tropical Agriculture (IITA). Ibadan, Landmark University, Omu-Aran, Kwara State, among others. They have also received certificates of patent registration awarded by the Federal Government of Nigeria through the Federal





Owoeye and Akinlabu with other exhibitors from Covenant University at the award ceremony of Technology and Innovation Expo 2017



Akinlabu attending to guest at Covenant University exhibition stand

Ministry of Science Technology, Abuja in December 2018. This feat made them the very first female researchers in Covenant to register patent. Owoeye and Akinlabu have also represented Covenant University in numerous expositions where their products won awards and accolades. Some of the awards include 2nd prize position (individual research in agriculture and veterinary medicine category) at the 6th Nigerian Universities

Research and Development Fair organized by National Universities Commission (NUC) at the Nnamdi Azikiwe University, Awka in March, 2016; Overall Best exhibitors at the exhibition competition held at the Bell University of Technology Ota, Ogun state, in November 2016. In addition, they won silver and bronze medals with other exhibitors from CUCRID at the Technology and Innovation Expo 2017 organized by Federal Ministry of Science and Technology. Apart from joint accolades,

Owoeye, who has over 16 journal articles in publications indexed in Scopus (excluding numerous publications in local outlets), more than 77 citations and 5 H-index, has equally received personal awards, including the most outstanding Technologists in Chemistry Department consecutively in 2012/2013 and 2013/2014 academic sessions. Akinlabu has seven journal articles indexed in Scopus with two H-index.

As their products are being processed for commercialization, the research duo say their motivations stemmed mostly by the desire to produce healthy livestock and thereby reduce the proliferation of cancer induced agro products in the market. They are not resting in their oars, the current success notwithstanding. They are prepared to explore other parts of ADPL plant to uncover their usefulness for benefit of humanity.

# Work is worship -Prof. Sanjay Misra

**O**ur Biannual Research Award Winner is Professor Sanjay Misra of the Department of Electrical and Information Engineering, Covenant University. Professor Misra who is also the Head of Software Engineering, Modeling and Intelligent Systems cluster, has over 25 years of active research and university teaching (at undergraduate, master and PhD programmes) experiences in various universities in Asia, Europe and Africa. He has published over 300 articles majorly in Web of science and SCI/SCIE Indexed Journals, and was rated as the number one most productive researcher in Nigeria according to SciVal (Scopus) analysis during 2012-2017, 2013-2018 and no 1 in Covenant University (since 2013). In this interview with CUCRID Discoveries, Professor Misra reveals what it takes to be a dynamic researcher of note in the contemporary time.

**Hi Professor Misra, can you start by telling us a bit about your career as a researcher?**

I obtained PhD (in Information & Knowledge Engineering (Software Engineering)) from University of Alcala, Madrid Spain and M.Tech. Degree in Soft Engineering from MN National Institute of Technology, India. I became a full Professor of Computer Engineering since Jan 2010 and presently an Endowed Professor of Software Engineering & Intelligent Systems in Covenant University. I have over 21 years of wide experience in academic administration and researches in various universities in Asiaian, European and African



*Professor Sanjay Misra*

environments. I previously held academic positions at the Federal University of Technology, Minna, Nigeria (as Head Department of Computer Engineering, Cyber security), Atilim University, Turkey, Subharati University and UPTU, India. I am working as visiting /collaborative researcher in

several universities and with various research groups and industry around the world, including Spain, Norway, Italy, France, Argentina, Turkey, Singapore, Chili, Brazil, Mexico, South Africa, Malaysia, Nigeria, Myanmar and India.

My major area of research is Software engineering, especially software quality, software measurement,

software metrics, software process improvement, software project management, human factors in SE, GSD, XML, SOA, Web Services, cognitive informatics, AI & Intelligent Software systems.

My major focus of research at this time is - how to

utilise software engineering researches for solving the problems of software practitioners in general and secondly how to solve the social problems by using software engineering and its application in health, tourism, e-government, e-commerce and sustainable development. I have publications in these four areas namely, Software engineering, Applications-(Intelligent systems, mobile applications etc.), Health Informatics and Sustainability. In addition to above I have started work in cyber security (limited work published till date). I am only summarizing a few works out of around 300 publications.

**Which of your research work can you considered the most outstanding?**

In software engineering. First, we published a paper in 2012 in a reputed journal in software engineering-IET Software, published by Institute of Engineering and Technology, United Kingdom, which attracted (in 2014) IET Software Premium Award for the best paper published in that journal

in two years. The paper proposed a framework for evaluating and validating software complexity metrics. The focus in the paper was how to propose quality measures for software development process. Second, we were the first researchers who developed a metric suite for XML web services. Third, we also produced a metric suite for



OOL based on cognitive informatics. Fourth, just recently we published a work on how to evaluate best software amongst the available open source software.

**Briefly, what excites you most about your work?**

Research is my passion. I always become excited to see any problem- because this give me an opportunity to solve with software engineering principle.

**What is your current publication profile, citations, hi-index etc?**

I have about 300 articles with 200 coauthors around the world (majority of them in Web of science-85 in JCR/SCIE Journals). In Google h factor – 22, citation 2035 as at May 9, 2019. In software quality assurance- as per Google Scholar, I am number one and in Software Metrics number 10 in the whole world.

**What is your average yearly publication output? And how many have you published this year?**

I joined Covenant University on 1st October 2012. In last six years, I have published 187 with affiliation of Covenant University. In last four years, average 40 papers per year.

**Can you mention some of your past accolades, awards and scholarly accomplishments?**

I have published approximately 300 papers as earlier mentioned. I was rated as number1 most research active scholar by (SciVal (Scopus) analysis during 2012-2017, 2013-2018) in Nigeria, and number four in the whole of African continent in computer science (2015-2018). I got several awards for outstanding publications (2014 IET Software Premium Award (from Institute of

Engineering and Technology UK), and from TUBITAK-Turkish Higher Education, Turkey (2008- 2016) and Atilim University, Turkey (since 2008 – every year).

I have edited (with colleagues) 36 Lecture Notes in Computer Science (Most reputed and old series of Springer) and 7 IEEE proceedings. Also, I am editor in chief of a book series -Advances in IT Personnel and Project Management (Web of science and SCOPUS), International Journal of Human Capital and Information Technology Professionals (IJHCITP)-IGI Global (Web of Science, SCOPUS Indexed), and of three other journals- IJPS (Last IF-0.540), CJICT, and editor in various SCIE journals. Equally. I am organizing chair of three annual international symposiums- Software Engineering Process and Applications (2009-Continue: Springer), Software Quality (2009) (IEEE), (2011-Continue) (LNCS by Springer) & workshops - Tools and Techniques in Software Development Process (2009-Continue: IEEE).

**As scholar, how do you cope with challenges associated with managing quality and quantity in research projects?**

I make sure that work with serious researchers and quality publication in SCIE Indexed journals (quality). I

have 85 Publications in SCIE (Journal with impact factor) and remaining all in SCOPUS.

**How has Covenant University helped you in building and sustaining your scholarly rating?**

Covenant University provided me best research environment in Nigeria. It helped me to focus more on research. Indeed, it is a unique place where you work with the Internet and other facilities, which is not obtainable in some parts of the country.

**What makes an outstanding scholar?**

Remembering GOD every moment of your life, then Sincerity, Dedication and Hard work. It will show in your result output.

**How can we motivate budding scholars to scale up their research endeavours at the next level?**

'Work is worship' hence, you should be focused and dedicated to hard work and request God for His presence in all of your activities.

**How important is research collaborations across academic disciplines and department in this contemporary age?**

This is time of interdisciplinary research. You can improve the productivity through this. However, this depends on the area in which you are working.

**In your opinion, what could be done to enhance research collaboration across**



**disciplines in the University?**

Reduce workload of young staff. They are overloaded and have very less time for research activities.

**What motivates you as a researcher? Which goals are you still hoping to achieve?**

Problem solving capability is my major motivation for doing research. In my extended research collaborators (coauthors), some of them have h factor approaching 100 with citation count up to 100,000. I don't know if I will reach there but they are my target.

**Tell us what you like to do when you aren't working on research?**

Spending time with my family and parents – whose blessing give me all these small achievements.

**How do you make use of time?**

Highly time punctual person, I always try not to waste a single moment of my life. Also can't tolerate wastage of a single minute due to mismanagement of time by others.

# Covenant Hosts International Visiting Scholars



Dr. Loes Damhof



Prof. Solomon Isiorho



Prof. Raffaele Marchetti



Dr. Uche E. Ekhaton-Mobayode

Covenant University has continued to host an array of visiting scholars from all over world. This is an attestation of the University's soaring profile as a world-class centre of excellence in teaching, research and community engagement.

Visiting scholarship

avails scholars an opportunity to engage in teaching, scholarly scientific life of the University community as well as possible research collaborations with members of the faculty of the host Department. It impact on the host university's internationalization outlook, as a universal community.

During the 2018/2019

academic session alone, Covenant hosted 10 visiting scholars from six countries across three continent. It is expected also host 13 visiting scholars in the next semester commencing in August 2019.

The tables below are the lists of visiting scholars to Covenant University in Omega Semester 2018/2019 academic Session:

## VISITING SCHOLARS 2018/2019 ACADEMIC SESSION (OMEGA SEMESTER)

Name	Affiliation	Host Department at Covenant	Arrival And Departure
Dr. Loesje Darhmof	The Hague University of Applied Science, Netherlands	Mass Communication	2 - 10 February 2019
Prof. Solomon Isiorho	Purdue University Fort Wayne, USA	Civil Engineering	15 <sup>th</sup> February – 2 <sup>nd</sup> March 2019
Prof. Raffaele Marchetti	LUISS (Italy)	Political Science	28/02/2019
Uche Eseosa Ekhaton-Mobayode,	University of Pittsburgh Bradford, USA	Economics	11 <sup>th</sup> -15 <sup>th</sup> March 2019
Chun-yang Li	Jiangsu Academy of Agricultural Sciences, Nanjing (JAAS) China	Bio-Chemistry	19 <sup>th</sup> of March – April 1 <sup>st</sup> 2019



Mr. Felix S. K. Agyemang



Dr Lynn Ilon



Prof. LI Chunyang.



Prof. Nduka N. Ekere

Name	Affiliation	Host Department at Covenant	Arrival And Departure
Prof. Lynn Ilon,	Seoul National University, South Korea	Economics	17 <sup>th</sup> - 30 <sup>th</sup> March 2019
Prof. Ekere Nduka Nnamdi,	United Kingdom (University of Wolverhampton)	Mechanical Engineering,	25 <sup>th</sup> – 31 <sup>st</sup> March 2019
Felix Agyemang	United Kingdom(Cambridge University)	Estate Management	10 <sup>th</sup> - 20 <sup>th</sup> March 2019
Jacqueline Carey Gallo	United Kingdom(Cambridge University)	Sociology	15 <sup>th</sup> - 26 <sup>th</sup> April 2019.
Prof. Ursula Daxecker	University of Amsterdam, Netherlands	Research Collaboration	18/04/2019

*“Science knows no country, because knowledge belongs to humanity, and is the torch which illuminates the world.”*

– Louis Pasteur

The French chemist and microbiologist invented pasteurization, the process that prevents food spoilage in milk, beer and wine. He also was one of the pioneers of the Germ Theory of disease, which states that some diseases are caused by microorganisms, helping him create the first vaccine for rabies.



Louis Pasteur

# Funding Opportunities for Researchers

Funding for different types of research grants, contracts, and programmes are available for researchers to explore. In this edition, we have listed such current opportunities, the awarding institutions and their website links :

## National Cancer Institute

### 2019 Requests for Applications (RFA's) Website:

<https://deais.nci.nih.gov/foastatus/>

- [CA19-047SBIR Phase IIB Bridge Awards to Accelerate the Development of Cancer-Relevant Technologies Toward Commercialization \(R44 Clinical Trial Optional\)ACTIVE - AUG 10, 2019](#)
- [CA19-041Sustained Support for Informatics Technologies for Cancer Research and Management \(U24 Clinical Trial Optional\)ACTIVE - NOV 21, 2019](#)
- [CA19-040Advanced Development of Informatics Technologies for Cancer Research and Management \(U24 Clinical Trial Optional\)ACTIVE - NOV 21, 2019](#)
- [CA19-039Early-Stage Development of Informatics Technologies for Cancer Research and Management \(U01 Clinical Trial Optional\)ACTIVE - NOV 21, 2019](#)
- [CA19-038ITCR: innovative algorithms \(R21 Clinical Trial Optional\)ACTIVE - NOV 21, 2019](#)
- [CA19-034Feasibility and Planning Studies for Development of Specialized Programs of Research Excellence \(SPOREs\) to Investigate Cancer Health Disparities \(P20 Clinical Trial Optional\)ACTIVE - OCT 19, 2020](#)
- [CA19-033Improving Outcomes for Pediatric, Adolescent and Young Adult Cancer Survivors \(U01 Clinical Trial Required\)ACTIVE - JAN 04, 2020](#)
- [CA19-032Provocative Questions \(PQs\) in Cancer with an Underlying HIV Infection \(R01 Clinical Trial Optional\)ACTIVE - AUG 04, 2020](#)
- [CA19-028Revisions for Incorporation of Novel NCI-Supported Technology to Accelerate Cancer Research \(U2C Clinical Trial Optional\)ACTIVE - SEP 28, 2019](#)
- [CA19-027Revisions for Incorporation of Novel NCI-Supported Technology to Accelerate Cancer Research \(P50 Clinical Trial Optional\)ACTIVE - SEP 28, 2019](#)
- [CA19-026Revisions for Incorporation of Novel NCI-Supported Technology to Accelerate Cancer Research \(P01 Clinical Trial Optional\)ACTIVE - SEP 28, 2019](#)
- [CA19-025Revisions for Incorporation of Novel NCI-Supported Technology to Accelerate Cancer Research \(U54 Clinical Trials Optional\)ACTIVE - SEP 28, 2019](#)
- [CA19-024Revisions for Incorporation of Novel NCI- Supported Technology to Accelerate Cancer Research \(U01 Clinical Trial Optional\)ACTIVE - SEP 28, 2019](#)
- [CA19-023Revisions for Incorporation of Novel NCI-Supported Technology to Accelerate Cancer Research \(R01 Clinical Trial Optional\)ACTIVE - SEP 28, 2019](#)
- [CA19-022Advanced Development and Validation of Emerging Biospecimen Science Technologies for Basic and Clinical Cancer Research \(R33 Clinical Trials Not Allowed\)ACTIVE - SEP 28, 2019](#)
- [CA19-021Innovative Biospecimen Science Technologies for Basic and Clinical Cancer Research \(R21 Clinical Trials Not Allowed\)ACTIVE - SEP 28, 2019](#)
- [CA19-020Advanced Development and Validation of Emerging Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research \(R33 Clinical Trials Not Allowed\)ACTIVE - SEP 28, 2019](#)
- [CA19-019Innovative Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research \(R21 Clinical Trials Not Allowed\)ACTIVE - SEP 28, 2019](#)

### Funding Opportunities In Fogarty International Center

The [Fogarty International Center](https://www.fic.nih.gov/) at the U.S. National Institutes of Health (NIH), has announced the following funding opportunities that may be of interest to those working in the field of global health research. Website: <https://www.fic.nih.gov/Funding/Pages/Fogarty-Funding-Opps.aspx>

NIH funding opportunities for which foreign organizations, foreign components of U.S. organizations and/or other foreign components may apply include:

1. Interpersonal Processes in Alzheimer's Disease and Related Dementias Clinical Interactions and Care Partnerships ([R01 Clinical Trial Optional](#)) ([RFA-AG-20-006](#))  
Application Receipt Date(s): October 23, 2019. Website: <https://grants.nih.gov/grants/guide/rfa-files/RFA-AG-20-006.html>
2. Biology of Aging in Reproductive Tissues ([R01 Clinical Trial Not Allowed](#)) ([RFA-AG-20-036](#))  
Application Receipt Date(s): January 29, 2020 Website: <https://grants.nih.gov/grants/guide/rfa-files/RFA-AG-20-036.html>

Information related to opportunities from other organizations focusing on global health and foreign collaboration include the following:

3. Elrha's [Research for Health in Humanitarian Crises \(R2HC\)](#) program, specially funded by the UK Department for International Development (DFID), Wellcome Trust and the UK National Institute for Health Research (NIHR), is accepting applications for research to improve health outcomes by strengthening the evidence base for public health interventions in humanitarian crises.  
Application deadline: July 16, 2019. Website: <https://www.elrha.org/funding-opportunity/r2hc-annual-funding-call/>
4. Other NIH funding news that may be relevant to global health researchers are:
  - a. Notice of Special Interest (NOSI): Leveraging existing HIV observational cohorts to study HIV-associated HLBS disorders ([NOT-HL-19-705](#)). Website: <https://grants.nih.gov/grants/guide/notice-files/NOT-HL-19-705.html>
  - b. Notice of Pre-Application Webinars for The Electronic Medical Records and Genomics (eMERGE) Genomic Risk Assessment and Management Network, Clinical Sites (RFA-HG-19-013), Enhanced Diversity Clinical Sites (RFA-HG-19-014), and Coordinating Center (RFA-HG-19-015) ([NOT-HG-19-023](#)). Website: <https://grants.nih.gov/grants/guide/notice-files/NOT-HG-19-023.html>

# Covenant Research Support Titbit

**C**ovenant University has some laid down policies and procedures for accessing research publication sponsorship, including conference application supports. Below are the checklists for such supports:

## CHECK LIST FOR PUBLICATION SUPPORT

- Form signed by the Dean of college
- Full paper attached
- Acknowledgement of covenant University in each paper
- Clearance certificate for Director CLR
- Turn It In Report
- Proof of Journal Index in Scopus
- Document showing bank Payment Details/Invoice

## CHECK LIST FOR LOCAL CONFERENCE APPLICATION SUPPORT

- Form Signed by the Dean
- At least one paper attached
- Acceptance letter
- Flyer of conference showing Details of

- the conference
- Acknowledgement of Covenant University in attached Paper
- Clearance certificate for Director CLR
- Turn It In Report

- showing detail of conference
- Proof of Conference in Scopus
- Turn It In Report
- Clearance Certificate from Director CLR

## CHECK LIST FOR INTERNATIONAL CONFERENCE APPLICATION FORM

- Form filled and signed by the Dean
- Minimum of 2 full papers attached
- Acknowledgement of CU in each paper
- Acceptance letter for each paper
- Flyer of Conference

## CHECK LIST FOR CUCRID PROFESSIONAL FORM

Either local or international conference, the following are required.

- Form filled and sign by Dean
- Flyer of Conference
- Certificate of membership
- Receipt of last payment made to the professional body



Caption

# RESEARCH, INNOVATION AND DISCOVERY

<p>Brooding over          Searching out          Bringing to light          The beauty of creation          Search it out the hidden knowledge          Search it out the ancient wisdom          Search it out, the wisdom of the ages          To suit our craving world          Recreating our world          Bringing hopes and succors          Witty inventions          Call it out          Unravel the hidden realities          Remolding, rebuilding,          resuscitating          Strengthening the feeble minds          Giving hopes to the wailing world          Lightening the dark paths of our world          The hidden treasures of the earth          Gladly embedded in the heart of men          Crying to be unveiled          Oozing out from the minds of men          Who can fathom it?          Only the wise will know          Only the clever will unravel          Never doubting          Never wavering</p>	<p>Your realities are truth          Your judgments are faultless          Even your errors are potent          Able to bring to light, amazing          wonders          How unsearchable          Says the feeble minds          Your secrets recline with the die-hard souls          Never doubting          Never wavering          Pouring all to the worthy task          The world rejoiced          The earth will sing          As your worth lightens our          world          A ray of light          A harbinger of hope          Sparkling through our minds          Has created an haven of eternal bliss            We are all Researchers, we are innovative          We discover our world!            Mojisola - AO ODL          Open &amp; Distance Learning          Covenant University          Canaan Land, Ota</p>
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## Upcoming Events

### International Conferences and Symposia

1. EMBO|EMBL Symposium themed: "The Organism and its environment" holds March 1 – 4, 2020 at the EMBL Heidelberg, Germany. For further information on Abstract submission visit the website: [https://www.embo-embl-symposia.org/symposia/2020/EES20-01/registration/index.html?utm\\_source=EMBL+courses+and+conferences&utm\\_campaign=afe1ede625-EES20-01+-+announcement&utm\\_medium=email&utm\\_term=0\\_b9f46bb4da-afe1ede625-70370553](https://www.embo-embl-symposia.org/symposia/2020/EES20-01/registration/index.html?utm_source=EMBL+courses+and+conferences&utm_campaign=afe1ede625-EES20-01+-+announcement&utm_medium=email&utm_term=0_b9f46bb4da-afe1ede625-70370553)

2. 11th Annual CUGH Conference themed 'Global Health in a Time of Worldwide Political Change' come up on April 18-20, 2020 at Washington Hilton Hotel, United States of America while the Special Satellite Sessions holds April 17, 2020. For further information visit: <https://cugh2020.org/>

3. 12th AACR Conference on 'The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved' holds September 20-23, 2019 at Hilton San Francisco Union Square, San Francisco, CA, USA. For an submission and other information on conference visit: <https://www.aacr.org/Meetings/Pages/MeetingDetail.aspx?EventItemID=183&DetailItemID=1069>

4. The 4<sup>th</sup> International Conference on Engineering Material and Application comes up on August 23-25, 2019 at Kuala Lumpur, Malaysia. Further information visit: <http://icmea-conf.org/site/>





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