



UNIVERSITY OF JOS

OFFICE OF RESEARCH AND DEVELOPMENT

RESEARCH PROJECTS IN THE UNIVERSITY OF JOS, LOCAL AND INTERNATIONAL DONOR AGENCIES

2010 – 2012 (Batch 1) MERGED

| S/NO | INVESTIGATORS | DEPARTMENT/ FACULTY | TITLE OF STUDY | RESEARCH GRANT NUMBER | START AND FINISH DATES | AWARD AMOUNT ₦ | REMARKS |
|-------------|---|---|--|--------------------------------------|--|-------------------------------|----------------|
| 1 | 1. Dr. Haruna Karick 2. Dr. Bankat Mike Anthony 3. Dr Moses David Audu 4. Dr Zubairu K. Dagona | Psychology/Soc.sc Psychiatry/Med. Sc. “ Psychology/Sc. | A comparative study of depression and tobacco smoking among young males and females in Plateau | UJ/ORD/IBR/004 | 6 months January 2014 – June 2014 | 544,350.00 | Completed |
| 2 | 1. E.A Olowolafe 2. Joshua Selchan Galadima 3. Isaac Shola Laka | Geography/planning “ “ | An appraisal of the Organic matter content of soils on the Jos Plateau | UJ/ORD/IBR/005 | 12 Months - January 2014 – December 2014 | 1,037,435.15 | Completed |

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| 3 | 1. Cyril C. Ajuzie 2. Prof H. Mafuyai 3. Mrs L. E. Akpa | Animal Prod/Agric Zoology “ | Aquatic Macroinvertebrate Biodiversity in Jos, Plateau State, Nigeria; The Urban Dilimi River vs the Rural liberty Dam and it's Headwater stream as a measure of the Ecological Status of the Ecosystems | UJ/ORD/IBR/006 | 12 Months - January 2014 – December 2014 | 711,407.50 | Completed |
| 4 | Kiri H. Jaryum | | Assessment of the Zinc status of Under- 5 children of Kanam LGA, Plateau State | UJ/ORD/IBR/007 | 12 Months - January 2014 – December 2014 | 435, 250.10 | Completed |
| 5 | 1. E.S Akanbi 2. Dr. B. N. Gyang 3. Prof F. X. O. Ugodulunwa | | Map integration in Casserite potential mapping of parts of Naraguta sheet 168, Nigeria | UJ/ORD/IBR/008 | 12 Months - January 2014 – December 2014 | 827,450.00 | Completed |
| 6 | 1. David P. Yakubu 2. | Zoology | Mitochondrial Dysfunction and the programming of Adult Cardiovascular Disease | UJ/ORD/IBR/009 | 12 Months - January 2014 – December 2014 | 697,420.65 | Completed |
| 7 | 1. Dakul D.A 2. Prof H. Mafuyai 3. Prof G. Mwansat | Zoology “ | Changing ecology and agric production in the lower Platreau: | UJ/ORD/IBR/011 | 12 Months - | 780, 332.55 | Completed |

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| | 4. Prof G. Baklit 5. Mr Shola Laka 6. Mr Longtong G. Turshak | “ Geography/planning “ Science Lab Tech | A study of shimankar River Basin | | January 2014 – December 2014 | | |
| 8 | Ishaya Y.L | Biochem/Nat.Sc | Developing a DNA-based Vaccine against PLA2 for Immunization against Trypanosomiasis | UJ/ORD/IBR/012 | 4 months January 2014 – April 2014 | 435,250.10 | Completed |
| 9 | 1. Agaba E. Idoko 2. Dr Amaka N. Ocheke 3. Dr Maxwell Akanbi 4. Dr. Patricia A. Agaba 5. Dr Zumnang N Gimba 6. Dr Edith N. Okeke 7. Dr S. Daniyam 8. Dr Kenneth Ozoilo | Medicine O & G Medicine Family Medicine Medicine Medicine Univ Health Centre Surgery | The University of Jos Non-Communicable Disease Survey | UJ/ORD/IBR/013 | 6 months January 2014 – June 2014 | 1,164,130.00 | Completed |
| 10 | 1. Auwalu Umaru Nasiru 2. Ademola Olatunji Jimoh 3. Audu Ahmed Umar 4. Egbere Otumola John 5. Audu Bala Sambo | Architecture/Env.Sc Microbiology | Development of Biogas from Septic Tank for Domestic cooking | UJ/ORD/IBR/014 | 6 months January 2014 – June 2014 | 651,510.00 | Completed |

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| 11 | 1. Joseph Gusen 2. Prof Emmanuel J. D. Garba 3. Dr Mangut Mankilik 4. Musa Ali Toro 5. Gusen, Nanle 6. Gusen, Nandom | Science&Tech/Educ | Survey of availability and utilization of E-Learning Resources in Nigerian Federal Universities. | UJ/ORD/IBR/015 | 6 months January 2014 – June 2014 | 511,255.80 | Completed |
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2013 (Batch 2) TETFUND RESEARCH FUNDS: DISBURSMENT TO BENEFICIARIES

| S/ No | RESEARCH TITLE | NO. OF RESEAR CHERS | LEAD RESEARCHER (TEAM LEADER/PRINCIPAL INVESTIGATOR) | DURATI ON OF RESEAR CH | AMOUNT APPROVED FOR RESEARCH PROJECT (N) | REMARK |
|-------|--|---------------------|--|------------------------|--|-----------|
| 1 | Impact of prophylaxis with Cotrimoxazole on malaria Parasitaemia and its clinical consequences in HIV-infected pregnant women in Jos, plateau state. | 4 | Dr. P. Lar- Microbiology | 12 Months | ₦1,980,748 | Completed |
| 2 | Timber Flow Across the North-Central Region of Nigeria and its Ecological Implications on Flora and Fauna. | 5 | Dr. Adams A. Chaskda- Zoology | 12 Months | ₦1,950,357.2 | Completed |
| 3 | Characterization of the Effects of Rain on Ku- Band Signals over | 3 | Dr. Enoch P. Ogherowo- Physics | 12 Months | ₦1,998,631.00 | Completed |

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| | Jos,Plateau:Measurements,Simulations and Modelling for Satellite Links. | | | | | |
| 4 | Studies on the Potential Anti-Cancer Activity of two plants- <i>Boswellia dalzielli</i> (Frankincense Tree) and <i>Citrillus lanata</i> (Water Melon) | 5 | Prof. T. E. Alemika- Pharm. Chem. | 12 Months | ₦1,995,210.00 | Completed |
| 5 | Enhancing Reading and Literacy Instructional Practices of Primary School Teachers for Improved Quality of Education in Jos North LGA of Plateau State. | 4 | Prof. T. Oyetunde- Arts/ Social Sc Education | 6 Months | ₦1,991,000.00 | Completed |
| 6 | Application of Lead Optimization Techniques(from Laboratory to ethics) to Tris-3-4-5-Trihydroxybenzylamine, the Anti malaria Agent Isolated from African Locust Bean Tree. | 5 | Prof. N.N. Wannang- Pharmacology | 12 Months | ₦1,995,210.00 | Completed |
| 7 | Geohazard Mapping of Volanic Edifices(Dormant Volcanoes) on the Jos Plateau, Nigeria: Enviromental Impact and Mitigation Strategies. | 4 | Prof. U.A. Lar- Geology | 12 Months | ₦ 1,910,500.00 | Completed |

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| 8 | Analysing Labour Laws and International best practices as Instruments of fostering Industrial harmony in Nigerian Universities. | 4 | Dr Francis Kwede- Public Law | 3 Months | ₦1,989,750.00 | Completed |
| 9 | Biodiversity Assessment of Protected and Community Forest Reserves in Plateau State. Nigeria. | 5 | Dr. Longtong G. Turshak- Science Lab. Tech. | 12 Months | ₦1,940,950.00 | Completed |
| 10 | Survey of the Quantity and Quality of English Language, Mathematics and Basic Sciences in The Senior Secondary School in North Central Zone, Nigeria. | 4 | Prof. M. Manklik- Institute of Education | 12 Months | ₦1,990,900.00 | Completed |
| 11 | Mechanism for Survival and Maternal Linkage in Simulium species (Blackflies). | 4 | Dr. O.N. Goselle- Zoology | 12 Months | ₦1,974,140.00 | Completed |
| 12 | Genetic Analysis of Human Leucocyte Antigen(HLA) in Lassa Virus and Human | 3 | Prof. D Z. Egah- Medical Microbiology | 12 Month | ₦1,984,064.0 | Completed |

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| | Immunodeficiency Virus Infected Subjects. | | | | | |
| 13 | Molecular Phylogeny of Helminth Parasites as Tool for stock discrimination of Lophus Species in South Africa. | 3 | Prof. J. D Mawak-Micrbiology | 12 Months | N 2,000,000.00 | Completed |

YEARS 2013-2015 (Batch 3) TETFUND RESEARCH FUNDS

| S/ No | RESEARCH TITLE | PRINCIPAL INVESTIGATOR & CO RESEARCHERS | GRANT NUMBER | DEPT/ FACULTY | DURATION OF RESEARCH | AMOUNT APPROVED FOR RESEARCH PROJECT (N) | REMARKS |
|--------------|---|--|---------------------|--|-----------------------------|---|----------------|
| 1 | Bioequivalence Studies of losartant tablets in University Health Centre Jos | 1. Dr. Nep Elijah Irimiya 2. Kaneng Katherine Pam 3. Damshit, Joshua Danadi 4. Izam Yocy Ishaya | UJ/ORD/IBR/031 | Pharmaceutics and Pharma Technology UHS “ “ | 12 Months | ₦1,836,660:00 | Completed |

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| | | 5. Audu Caleb Anthony | | “ | | | |
| 2 | A critical Evaluation of Teaching and Learning New Testament Greek in Nigeria with suggested Teaching Manual | 1. Prof. Cletus Tanimu Goten 2. Mr Cosmos Benschak Wule 3. Mrs Priscilla Queen Kparevzua | UJ/ORD/IBR/032 | Religious Education Religion and Philosophy English Dept | 12 Months | ₦ 1,669,500.00 | Completed |
| 3 | Developing sustainable peace: University of Jos Peace Building through Secondary School Children | 1. Dr. Reuben Embu 2. Mr Onche Dan Ella 3. Mrs Sambo Maria Anpe 4. Mrs Sarah Kaburuk | UJ/ORD/IBR/033 | Theatre Arts/Film Arts “ Education Psychology | 9 Months | ₦ 1,577,415.00 | Completed |
| 4 | Evaluation of the Antidiabetic potentials of the leaf and fruit <i>Carissa Edulis</i> | 1. Prof. Jacob .A. Kolawole 2. Patricia Odumosu 3. Ojerinde, Stephen 4. Falang, Kakjing 5. Dafam, Gwatau D | UJ/ORD/IBR/034 | Pharmaceutical Chemistry Pharmacy “ “ “ | 12 Months | ₦ 1874,470.50 | Completed |
| 5 | Antimicrobial susceptibility profiles of | 1. Mr. Olorunfemi Patrick Oladele | UJ/ORD/IBR/035 | Pharmaceutics&Pharm. Biology | 11 Months | ₦ 1,854,121.50 | Completed |

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| | bacterial isolates from health facilities in Jos. | 2. Joshua Danladi Damshit 3. Grace Owayosa Chris-Otubor | | “ Physiology | | | |
| 6 | Heat Gain in indoor Sports Hall, A case Study of some selected cities in North-Eastern Geo-Political Zone of Nigeria | 1. Dr. Yohanna. C. Sati 2. Salihu Bala Salihu 3. Dr. Galam Nanyak | UJ/ORD/IBR/036 | Architecture “ Physiology | 12 Months | ₦ 1,801,222.50 | Completed |
| 7 | The use of Cissus Populnea Gum powder as viscosity Modifying Admixture in concrete | 1. Prof. Olorunmeye F. Job 2. Prof. Natalia Anigbogu 3. Yohanna Daniel Tok | UJ/ORD/IBR/037 | Quantity Survey Building Quantity Survey | 12 Months | ₦ 1,886, 325.00 | Completed |

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| 8 | Towards Achieving sustainability in Domestic Architecture: an Appraisal of CO2 Emissions from Residential Buildings of Jos-South Local Government Area (LGA) of Plateau State. | <ol style="list-style-type: none"> 1. Prof. (Mrs) Bogda Prucnal-Ogunsote 2. Prof. S. O. Otimenyin 3. Francis Peter Okwoli 4. Mathew Davou | UJ/ORD/IBR/038 | <p>Architecture</p> <p>Pharmacology</p> <p>Architecture</p> <p>Building (Lab)</p> | 12 Months | ₦1,785,000.00 | Completed |
| 9 | Post-Traumatic Stress Disorder and Cultural coping Mechanism among internally Displaced persons (IDPs) camps in North-Eastern Nigeria | <ol style="list-style-type: none"> 1. Dr. Zubairu K. Dagona 2. Dr (Mrs) Gloria Karuri 3. Mr Bitrus Haggai | UJ/ORD/IBR/039 | <p>Psychology</p> <p>“</p> <p>Senior Staff Establishment</p> | 6 Months | ₦ 1,617,000.00 | Completed |
| 10 | Political Party Finance Regulatory Framework: Modeling Workable compliance Scenarios for consolidating Democracy in Nigeria. | <ol style="list-style-type: none"> 1. Prof. Bonaventure Nkup Haruna 2. Prof Ademu Wada 3. Dr. Gyang Jugu 4. Prof Dung Pam Sha | UJ/ORD/IBR/040 | <p>Political Sc.</p> <p>Economics</p> <p>Actuarial Sc.</p> <p>Political Sc.</p> | 6 Months | ₦1,589,385.00 | Completed |
| 11 | Molecular characterization of (potato late blight <i>pytoputhora infestans</i>) in major areas producing | <ol style="list-style-type: none"> 1. Dr. Richard J. Kutshik 2. Prof. Charity Amienyo 3. Mr Dapiya Hycinth | UJ/ORD/IBR/041 | <p>Biochem</p> <p>ORD/Pl.Sc</p> | 12months | ₦1, 836,427.95 | Completed |

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| | Irish potatoes in Plateau State, Nigeria | | | Microbiology | | | |
| 12 | Lower urinary tract symptoms in patients with Advanced prostate cancer: what are the outcomes of androgen Deprivation therapy. | <ol style="list-style-type: none"> 1. Dr. Idorehin Cletus Akpayak 2. Dr. Samuila Shuiabu 3. Dr. Chima G. Ofoha 4. Prof. Nuhu K. Dakum 5. Prof. Venyir M. Ramyil 6. Dr. Victor E. Onowa 7. Dr. Christian A Agbo 8. Dr. Lemech E. Nabasu 9. Dr. Zingkur Z Galam | UJ/ORD/IBR/042 | <p>Surgery</p> <p>Surgery</p> <p>Surgery</p> <p>Surgery</p> <p>Surgery</p> <p>Surgery</p> <p>Surgery</p> <p>Surgery</p> | 12months | ₦ 1, 859,550.00 | Completed |
| 13 | Age determination by magnetic resonance imaging (MR) of Nigeria Adolescents. | <ol style="list-style-type: none"> 1. Dr. S.D Pam 2. U.I.A. Sirisena 3. H. Dadugul | UJ/ORD/IBR/043 | <p>Radiology</p> <p>Mathematic</p> | 12months | ₦ 1, 785,000.00 | Completed |
| 14 | A comparison of soil transmitted Helminth infection Treatment response in HIV sero positive and sero Negative patients in a | <ol style="list-style-type: none"> 1. Dr. Mark Davou Gyang 2. Dr. Aboi JK Madaki 3. Dr. Gideon Amuga | UJ/ORD/IBR/044 | <p>Family Medicine</p> <p>Family Medicine</p> | 12months | ₦ 1, 325,882.25 | Completed |

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| | semi Urban setting, Plateau State, Nigeria | 4. Dr. Hadiza Agbo | | Biological Sci. Nasarawa State University Community Health Medicine | | | |
| 15 | Reducing the effect of climate Aided Plant Disease using a Solar powered Automatic Weather Station with an Early warning Broadcast | 1. Dr. Ali A. D 2. Benjamin Ben Chukkwuemeka 3. Susinya Habila | UJ/ORD/IBR/045 | Plant Sci. & Tech Computer Science Plant Sci. & Tech | 12months | ₦ 1, 870,876.87 | Completed |
| 16 | Evaluation of Temperate Forage Legumes for yield and Quality in cool Tropical Environment of Jos Nigeria | 1. Prof. Namo Otsanjugu Timothy Aku 2. Akpensuen Tersur Theophilus 3. Prof Amodu Joshua Taiwo 4. Mr Izang Isaac | UJ/ORD/IBR/046 | Plant Science Agriculture | 12months | ₦ 1, 865,419.50 | Completed |
| 17 | Authentication and Evaluation of photochemical Constituents of (Apiumgraveolens L) Varieties Grown on the Plateau State, Nigeria. | 1. Prof. (Mrs) Esther Adebola Adetakun 2. Juluis Dung Chuwang 3. Christopher E. Ngurukwem | UJ/ORD/IBR/047 | Chemistry Chemistry Chemistry Lab | 12months | ₦ 1, 877,001.00 | Completed |
| 18 | Preparation Characterization and Utilization of kerang | 1. Prof. B. T. Nwifo 2. Bassey Sam Enoh. 3. Dr. A.O. Solomon | UJ/ORD/IBR/048 | Chemistry Chemistry | 12months | ₦ 1, 835,897.70 | Completed |

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| | Clay as a modified Nano-clay Adsorbent in industrial Waste Water Treatment. | 4. Mrs. J. D. Dodo 5. Mr. C. E. Ngurukwem | | Chemistry Chemistry | | | |
| 19 | Production of industrial enzyme from Fungi for Bioconversion of Agricultural Waste from Building Materials Market, Jos Nigeria. | 1. Dr. Ponchang Apollos Wuyep 2. Sila Gyang M. D. 3. Margaret Lucy Bulus | UJ/ORD/IBR/049 | Plant Sci. & Tech Plant Sci. & Tech Economics | 12months | ₦ 1, 887,060.00 | Completed |
| 20 | Factors that makes Educational Apps Motivational and the students willingness to enroll for a course: A case study of Physics Practical in the University of Jos | 1. Dr. Yerima Yakubu Jabil 2. Mafuyai, Mabur Yaks 3. Ms Sarah Daniel Kaburuk 4. Prof Mangut Mankilik 5. Mr Samuel Dung Mado 6. Mr Gabriel Albert Wuese Ver | UJ/ORD/IBR/050 | Physics ” Psychology Institute of Education Physics Lab1 “ | 7months | ₦ 1, 871,782.00 | Completed |
| 21 | Detection, Characterization and Remediation of Volatile Organic Compounds | 1. Dr. John S. Gushit 2. Mrs. J. Daben 3. H.L. Njila | UJ/ORD/IBR/051 | Sci. Lab. Tech Sci. Lab. Tech Sci. Lab. Tech Chemistry | 12months | ₦ 1, 874,203.80 | Completed |

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| | (Vocs) and Gases Emitted from indoor Heating of Charcoal for Domestic and Commercial Activities in Jos Metropolis | 4. Mrs. C.Domchak 5. One Master of Science (MSc) Student | | Chemistry | | | |
| 22 | Studies on the occurrence and fate of persistent Organic pollutants (POPs) in Sediments from selected Locations in Jos Plateau State. | 1. Dr. M. B Dalen 2. Dr Gushit John 3. Mr. Ibrahim E Gube 4. Ms Ngene Gloria | UJ/ORD/IBR/052 | Chemistry Sci. Lab. Tech | 12months | ₦1, 869,808.50 | Completed |
| 23 | Studies on the potential Benefits and inherent Dangers in Cropping abandoned Minefield soils with maize with maize (Zea mays) using Cowdung (CD), poultry manure (PM), and NPK 15:15:15 as fertilizer in Jos South Bassa Local Government Areas of Plateau Central Nigeria. | 1. Prof. S. J. Salami 2. Dr. Deshi K. 3. Mr. Olatoyinbo Faith Alabi 4. Mr. Chris Ngurukwe | UJ/ORD/IBR/053 | Chemistry Plant Science Chemistry Chemistry | 12months | ₦1, 807,680.00 | Completed |

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| 24 | Controlling coccidiosis to increase poultry production among resource poor farmers using locally developed Technology in Jos-Nigeria. | 1. Dr. Dogo Goni I. Abraham 2. Prof. Paul Abdu 3. Dr. Emmanuel Tizhe Vandi 4. Dr. Gloria Karaye 5. Prof. N. N. Wannang | UJ/ORD/IBR/054 | Veterinary c/o Dr. Dogo veterinary Pathology Parasitology Pharmacology | 12months | ₦ 1,380,225.00 | Completed |
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YEARS 2015-2016 TETFUND RESEARCH FUNDS (Batch 4): DISBURSMENT TO BENEFICIARIES

| S/ No | RESEARCH TITLE | PRINCIPAL INVESTIGATOR & CO RESEARCHERS | GRANT NUMBER | DEPT/ FACULTY | DURATION OF RESEARCH | AMOUNT APPROVED FOR RESEARCH PROJECT (N) | REMARKS |
|--------------|--|--|---------------------|----------------------|-----------------------------|---|----------------|
| 1 | Effect Passive Cigarette Smoke on organs of Fractionated low-dose whole Body X-Irradiated Abino Rats | 6. Prof. James Adisa + 2 | UJ/ORD/IBR/055 | Physics | 9 Months | ₦ 1,658,053:00 | Completed |

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| 2 | Locally Sourced Polysaccharide-Based Drug Delivery Systems for Colorectal Cancer | 1. Dr Ndidi Ngwuluka + 2 | UJ/ORD/IBR/056 | Pharmaceutics | 12 Months | N1,477,000.00 | Completed |
| 3 | Profile and Spatial Distribution of Drug Resistant Genes from Isolates of Plasmodium falciparum in Plateau State, North Central Nigeria | 4. Prof. Staphen Oguche + 3 | UJ/ORD/IBR/057 | Paediatrics | 12 Months | N 1,724,200 | Completed |
| 4 | Ventilation Performance and Indoor Air Quality (IAQ) Assessment in Naturally Ventilated Mid-Rise Office Building in Tropical Savannah Nigeria | 5. Dr. Pontip Stephen Nimlyat | UJ/ORD/IBR/058 | Architecture | 12 Months | N 1,387,789.20 | Completed |
| 5 | Funding Gap of Defined Contribution Pension and its Actuarial Implications on Retirement Security | 1. Dr Joshua S. Adeyele + 8 | UJ/ORD/IBR/059 | Actuarial Science | 10 Months | N 1,185,000 | Completed |

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2010 – 2012 (Batch 1) MERGED

| S/NO | INVESTIGATORS | DEPARTMENT/ FACULTY | TITLE OF STUDY | RESEARCH GRANT NUMBER | START AND FINISH DATES | AWARD AMOUNT ₦ | REMARKS |
|-------------|--|---|---|--------------------------------------|---|-------------------------------|-----------------------|
| 1 | 1. Dr Benedicta Daudu 2. Oluwabunmi H Lar | International Law and Jurisprudence / Law | Reforms to Prevent the Emergence of Intractable Conflict in Jos North/South Local Government Area of Plateau State. | UJ/ORD/IBR/001 | 9 months January 2014 – September 2014 | 629,850.00 | Await Progress Report |
| 2 | 1. John Y. Dung-Gwom 2. Laraba S. Rikko 3. Christian Yakubu oche 4. Alexander Akila Lohor 5. Gideon Baklit 6. Laka, Isaac Shola | Geography/planning “ “ “ “ “ | Urban violence and its implication on physical planning of Jos Metropolis | UJ/ORD/IBR/002 | 12 Months - January 2014 – December 2014 | 700,145.15 | Await Progress Report |
| 3 | 1. Dr. Solomon Ogwu Ugoya 2. Dr Olugbenga Akindele Silas | Pathology/ Medical Sciences | Bone Quality and Bone Loss in Nigerians with Epilepsy and taking Anti-Epileptic drugs (AEDs) and profile of Nigerians with Epilepsy | UJ/ORD/IBR/003 | 12 Months - January 2014 – December 2014 | 718,200.00 | Await Progress Report |

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| 4 | Mildred K. Dareng Dr. I. S. Binda L. Timkuk B. G. Attah T.D. Bot | Education | Assessment of the Quality of Mathematics instruction in Government Senior Secondary Schools in the catchment states of University of Jos | UJ/ORD/IBR/010 | | 678,120.00 | Did not Access the fund |
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2013 (Batch 2)

| S/ No | RESEARCH TITLE | NO. OF RESEARC HERS | LEAD RESEARCHER (TEAM LEADER/PRINCIPAL INVESTIGATOR) | DURATI ON OF RESEAR CH | AMOUNT APPROVED FOR RESEARCH PROJECT (N) | REMARK |
|--------------|---|----------------------------|---|-------------------------------|---|-------------------------|
| 1 | Towards Enviromentally Sustainable Pest Control: Biopesticide from <i>Mucuna pruriens</i> . | 2 | Mr. Chukwudi Ndukwe – Clinical Pharmacy | 12 Months | ₦ 992,000.00 | Did not access the fund |
| 2 | Documentation and Conservation of Medicinal Plants in Nigeria. | 5 | Dr. M. P. Dapar- Pharmacology | 12 Months | ₦ 2,000.000.00 | Await Progress Report |

NATIONAL RESEARCH FUND (NRF) – ON-GOING RESEARCHES

| S/N | TITLE OF RESEARCH/YEAR | NAME OF RESEARCHER | AMOUNT OF AWARD |
|------------|--|----------------------------|------------------------|
| 2011 | | | |
| 1 | Malaria Burden and Vector Population Dynamics in Selected Communities in Benue State | Prof. Hayward B. Mafuyai | N11,000,000 |
| 2 | Conflict Resolution Mechanisms | Prof. Ogoh Alubo | N10,000,000 |
| 2019 | | | |
| 3 | Assessment of Health Risks and Environmental Impact Associated with Manual Stone Mining and Crushing in North Central Nigeria | Prof. Mariam D. Solomon | N30,000,000 |
| 4 | “An Artificial Intelligence (AI) Approach to Pattern Recognition for Security Purposes” | Prof. Danjuma D. Dajab | N43,000,000 |
| 5 | ‘Developing Pesticides and Household Products Formulations from Bioresources of Nigeria’ | Dr. John S. Gushit | N40,000,000 |
| 6 | ‘Metagenomics and Characterization of Recombinant Lignocellulose Degrading Enzymes from Gut Microbiota of Desert Insects for Biofuel and Feed Industry | Prof. Ishaya Y. Longdet | N35,000,000 |
| 7 | Effect of Variations in Mu Opioid Receptor Gene on Postoperative Morphine Requirement Using Patient Controlled Analgesic after Mid line Laparotomies | Prof. Ishaq A. Shugaba | N45,000,000 |
| 8 | Emotional and Psychological impact of Covid-19 outbreak on Frontline Health Workers in Nigeria | Dr. Chris G. Piwuna | N38,000,000 |
| 9 | Modification and Characterization of Natural Polymers as Biodegradable Packaging Materials | Prof. Chinyelu N. Ngwuluka | N42,000,000 |
| 10 | ‘History from Below, Innovative Technologies and the Basic Education History Curriculum’ | Prof. Sati U. Fwatshak | N45,000,000 |
| 11 | ‘Building Resilience to Urban Flood Risk in Central Nigeria | Prof. Davidson S. A. Alaci | N40,000,000 |

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| 12 | 'Elicidation of the Mechanism of Action of Anti Diabetic molecules from the Leaf of Parinari curatellifolia using Drosophila insulin-Like Peptides (Diip) Model | Prof. Aboi J. K. Madaki | N41,800,000 |
| 13 | 'Interlocking Brick wall Construction for Low-cost Housing: Focus on Design for Deconstruction od IDP Camps in Nigeria | Prof. Uji Z. Akaka | N33,000,000 |
| 14 | Assessment , Quantification and Economic Valuation of Ecosystem services Provided by Afromontane Forests | Prof. Ahmed Ali Difa | N28,000,000 |
| 15 | The Development of a DNA-Based Vaccine Against Small Ruminant Brucellosis in Nigeria | Prof. Pwaveno H. Bamaiyi | N36,000,000 |
| 16 | 'Protein Expression of Bm86 gene Sequences from Nigerian pathogenic Ticks in Recombinant tick Vaccine Development' | Prof. Goni Dogo Abraham | N38,000,000 |
| 17 | Evaluation of Inhibitory activities of SILMARIN against SARS-CoV_2 | Prof. John C. Aguiyi | N21,200,000 |

NATIONAL RESEARCH FUND (NRF) 2023 AWARDS

| S/No | Title | Name of PI | Amount of Award |
|------|--|------------------------------|-----------------|
| 1 | Development of a Cocktail of Novel Thermostable Recombinant Lignin Degrading Enzymes from Lignolytic Bacteria Genome for Biofuel Production from Sugarcane Bagasse | Dr. Richard Kutshik | N46,439,496 |
| 2 | The Inhibitory Effects of SARS-COV-2 by Home-Made Anti-Covid-19 Supplement in the Cell Culture and Innate Immunity in Drosophila Melanogaster | Prof. John Aguiyi | N35,752,366.70 |
| 3 | Molecular Characterization of Sodium Voltage-Gated Channels and Their Association with Painful Diabetic Neuropathy among Nigerians with Diabetes Mellitus | Prof. Embu Henry Yammoh | N33,066,544.78 |
| 4 | Development and Evaluation of Candidate Drugs from Boswelellia Dalzielii Derived Botanicals Against Head and Neck Squamous Cell Carcinoma (HNSCCI) | Prof. Alemika Taiwo Emmanuel | N35,752,366.70 |

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|---|--|------------------------------|-----------------|
| 5 | Evaluation of Three Isolated Compounds of Parinari Curatellifolia (Chrysobalanaceae) on Insulin-Signalling Pathways in Type Diabetic Drosophila Melanogaster | Dr. Simeon Omale | N39,502, 288.95 |
| 6 | Trauma Healing and Psychosocial Support Using Neuro-aesthetics Model as a Trope among Southern Kaduna Women and Children | Prof. Karuri Gloria Samuel | N30,000,000.00 |
| 7 | Isolation and Characterization of Anti-Diabetic Phytoestrogens and Pharmacological Components of Physalis Angulata: The Insight for Therapeutic Potential | Prof. Carrol Luka Domkat | N26,126,140.28 |
| 8 | Pre-Clinical and Field Trials for Possible Commercialization of a Novel Polyvalent Anti-tick Vaccine (JUVAC-NG) in Nigeria | Prof. Abraham Goni Dogo | N35,752,366.70 |
| 9 | Developing Candidate Drugs from Characterized Achyranthes Aspera Derived Botanicals for Preclinical Screening Against Drug Resistant Malaria Parasite | Prof. Longdet Ishaya Yohanna | N31,283,320.86 |

PAST AND PRESENT PROJECTS BY THE NATIONAL INSTITUTES OF HEALTH/CENTRE FOR DISEASE CONTROL, USA

| PROJECT NAME | GTANT NUMBER | SPONSOR | AMOUNT | YEAR | PRINCIPAL INVESTIGATOR |
|---|---------------------|---|---------------|---------------------------|-------------------------------|
| 1. Support of Training and Mentorship in Nigeria for Academics (STAMINA) | 5D43TW010130-02 | NIH- Fogarty | \$3,200,000 | 08/01/2016-7/31/2020-2022 | Atiene Solomon Sagay |
| 2. Mentoring in Qualitative methods for Patient-Oriented Research on HIV CARE | 149835,5065889.0002 | NIH/NIMH (National institute of Mental Health | \$40,180.00 | 04/01/2012 – 06/30/13 | Oche Agbaji |
| 3. Northwestern and Jos University Research Training program in HIV Malignancies | 60037056JU | NIH Fogarty International Center | \$303,123.00 | May 2014-March 31 2019 | Atiene Solomon Sagay |
| 4. Partnership for Global Health Research Training program | | NIH Fogarty | \$200,000 | 07/01/2017-06/302022 | Atiene Solomon Sagay |
| 5. The Center for Innovation in Point- of – Care Technologies for HIV/AIDS at Northwestern University (C- THAN) | 60051837 JOS | NIH (National Institute of Biomedical Imaging and Bioengineering) | \$126,980 | 09/11/2018-05/01/2023 | Oche Agbaji |
| 6. Zika Virus In Pregnancy in Nigeria | 5R21AI137840 | National Institute of Allergy and Infectious Diseases | \$80,000 | 12/31/2018-11/30/2022 | Atiene Solomon Sagay |
| 7. West African Center for Emerging Infectious Diseases | 20-85137-01 | NIAID | \$191,910 | 06/09/2020-05/31/2025 | Dr. Nathan Y. Shehu |

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|---|--------------------|--|--------------|----------------------------|----------------------|
| 8. Intensive Combination Approach to Roll back the Epidemic (ICARE) in Nigeria | 60057252 | NIH/Eunice Kennedy Shriver National Institute of Child Health & Human Development) | | 09/06/2018-08/31/2023 | Oche Agbaji, MBBS |
| 9. Sequelae of Lassa fever | 21-84330-04 | NIH/NIAD | \$347,000 | 02/09/2018-01/31/2022-2023 | Dr .Nathan Y.Shehu |
| 10. Epidemiology and outcomes of HIV Associated Cancer | 60044957 JU | Fogarty International | | 10/01/2016-03/31/2019 | Atiene Solomon Sagay |
| 11. Epigenomic Biomarkers of HIV – Associated Cancer in Nigeria | 60047710 JOS | NIH/National Cancer Institute | \$739,297 | 09/01/2017-08/31/2022 | Atiene Solomon Sagay |
| 12. Reaching 90% target of HIV Viral Suppression: the Role of point of Care VL Monitoring in Resources Constrained settings | 6U01GH002109-02-04 | Centers for Disease Control and Prevention | \$997,714 | 09/30/2016-09/09/2018-2021 | Agbaji Oche |
| 13. The Vagina Micro biome in Cervical Intraepithelial Neoplasia and Cancer | 1K43TW011416-01 | NIH Fogarty International Center | \$464,940 | 09/25/2019-04/30/2024 | Jonah Musa MBBS |
| 14. Northwestern/ Nigeria Research Training program in HIV and Malignance (NN-HAM) | 60053165 JOS | NIH/Fogarty International Center | \$207,350 | 05/09/2014-03/31/2024 | Atiene Solomon Sagay |
| 15. Delivering Comprehensive Services to Achieve Control in Sub national in Federal Republic of Nigeria under President’s Emergency | | Center for Disease Control (CDC) And Prevention (CDC) | N270,344,507 | 2012-2017 | Agbaji Oche |

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|--|-------------------|---|--------------|------------|------------------|
| Plan for AIDS Relief (PEPFAR) | | | | | |
| 16. Improving Comprehensive AIDS Response Enhanced for Sustainability (iCARES) (PEPFAR) | | Center for Disease Control (CDC) And Prevention (CDC) | N167,932,159 | 2017 -2022 | Agbaji Oche |
| 17. Northwestern-UniJos Mentored Program for Enhanced Research Administration (NUMPERA) | 1G11AI1696-01 | NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES (NIAID) | \$102,000 | 2022-2023 | Kparamak, Mark |
| 18. Northwestern/ Nigeria Research Training program in HIV and Malignance (NN-HAM) (RENEWAL) | 2D43TW009575 - 11 | Fogarty International Centre | \$1,470,000 | 2024-2029 | Silas, Olugbenga |
| 19. Michigan-UniJos Mentored Program for Enhanced Research Administration (MUMPERA) | 1G11AI183359-01 | National Institute of Allergy and Infectious Diseases (NIAID) | \$103,000 | 2024-2025 | Kparamak, Mark |
| 20. Training and Research on Arboviruses and Zoonoses In Nigeria and Sierra Leone (TRAIN) | 5D43TW012246 | Fogarty International Center/National Institute for Allergy and Infectious Diseases | \$50,000 | 2022-2027 | Nathan, Shehu |

PAST AND CURRENT PROJECT SUPPORTED BY THE WORLD BANK, 2014-2020, TETFUND CENTRES OF EXCELLENCE PROJECT AND PENDING FRENCH DEVELOPMENT AGENCY (AFD) 2024-2028

| S/No | Title of Project | Grant Number | Name of Sponsor | Amount | Year | Principal Investigator |
|-------------|---|---------------------|---------------------------------------|---------------|-------------|-------------------------------|
| 1 | Africa Centre of Excellence in Phytomedicine Research and Development | 12609 | World Bank | \$8,000,000 | 2024-2020 | Prof. J.C. Aguiyi |
| 2 | The University of Jos ICT Development Project | Pending | French Development Agency | \$3,000,000 | 2024-2028 | Prof. Rahila Gowon |
| 3 | Centre for Food Security | - | TETFUND Centres of Excellence Project | N1b | 2022-2027 | Prof. Paul Amaza |

List of Journal Publications from 2011 – 2022

| 2011 - 2014 MERGED FOR JOURNAL PUBLICATIONS (Supported by TETFUND) | | |
|--|---|------------------------------------|
| S/N | NAME OF JOURNAL | FACULTY |
| 1 | International Journal of Management Sciences Research | Management Sciences |
| 2 | Jos Journal of Pharmacy and Bioresources | Pharmaceutical Sciences |
| 3 | Current Issues in Development | Office of Research and Development |
| 4 | African Journal of Natural Sciences | Faculty of Natural Sciences |
| 5 | Journal of Management Sciences | Faculty of Management Sciences |