



**Global Institute
for
Doctoral and Postdoctoral Research**

A dedicated space for advanced scholars to conduct research, collaborate, and contribute to their fields and global sustainability.

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The Global Institute for Doctoral and Postdoctoral Research

The Global Institute for Doctoral and Postdoctoral Research (GIDPR) at Nexus International University is a dedicated hub for advanced research and scholarship.

It aims to foster innovation, interdisciplinary collaboration, and academic excellence by providing a supportive environment for doctoral and postdoctoral researchers.

The Institute focuses on addressing local and global challenges through impactful research, promoting sustainable development, and preparing scholars for diverse career paths in academia, industry, and beyond.

Vision Statement

A global leader in advanced research and innovation, fostering a community of scholars committed to addressing the world's most pressing challenges and driving sustainable development through interdisciplinary collaboration and excellence in education.

Mission Statement

The GIDPR at Nexus International University aims to:

- Provide a dynamic and supportive environment for advanced research and scholarship.
- Empower scholars with the skills and knowledge necessary to excel in their fields.
- Promote interdisciplinary collaboration and innovative thinking.
- Address local and global challenges through impactful research and community engagement.
- Foster a culture of academic excellence, integrity, and inclusivity.*

Core Values

Excellence: We strive for the highest standards in research, education, and scholarly activities.

Innovation: We encourage creativity and embrace new ideas to drive progress and solve complex problems.

Integrity: We conduct our research and academic endeavours with honesty, transparency, and ethical rigor.

Collaboration: We value teamwork and partnerships, both within our community and with external organizations, to enhance our research impact.

Inclusivity: We are committed to creating an inclusive environment that respects and celebrates diversity in all its forms.

Sustainability: We prioritize research and practices that promote environmental, social, and economic sustainability.

Global Engagement: We foster a global perspective, encouraging international collaboration and addressing global challenges.

Community Impact: We aim to make a positive difference in our local and global communities through our research and engagement efforts.

Lifelong Learning: We promote continuous learning and professional development for all members of our community.

Guiding Principles

Academic Freedom: We uphold the freedom to ethically explore, question, and innovate without restriction.

Scholar-Instituted Approach: We prioritise the needs and aspirations of our scholars in all our activities.

Respect for All: We treat everyone with respect, kindness, and humane consideration.

Responsibility: We are accountable for our actions and their impact on society and the environment.

Justification

The demand for doctoral and postdoctoral programs in Africa is growing, but there are several challenges that need to be addressed.

There is a recognised need for more PhD graduates to advance research, innovation, and economic and scientific progress. This is emphasised by organisations like the World Health Organization (WHO) and the African Union.

Doctoral education is crucial for building academic expertise and driving growth across multiple sectors, such as health, education, and technology.

However, many students face financial barriers that hinder their ability to pursue or complete their doctoral degrees. Most universities in Africa often struggle with underfunding, which affects research facilities, libraries, and internet access. There is also a shortage of qualified doctoral supervisors, leading to inadequate support for PhD candidates. Unfortunately, to compound these challenges, highly qualified staff often leave for developed countries, exacerbating the shortage of experienced academics.

NIU's GIDPR is created to deliver PhD programs that can foster creative and practical solutions to local challenges, such as healthcare gaps, economic barriers, and food insecurity. Our partnerships with international institutions will help improve resources and training opportunities for our doctoral candidates.

Indicative Research Areas

While scholars are welcome to bring their own research proposals, the GIDPR focus on the following research areas with significant impact:

A. Computer Science

PhD in Artificial Intelligence (AI) and Machine Learning

- **Explainable AI:** Enhancing transparency in machine learning models.

- **AI in Healthcare:** Predictive analytics for disease diagnosis.
- **AI for Social Good:** Addressing global challenges like poverty and climate change.

PhD in Digital Life and Cybersecurity

- **Privacy and Data Security:** Addressing issues in digital societies.
- **AI Governance:** Legal and ethical frameworks for AI deployment.

PhD in Robotics and Automation

- **Human-Robot Interaction:** Improving collaboration between humans and robots.
- **Autonomous Systems:** Developing self-sufficient robots for various applications.

B. Global Sustainability

PhD in Climate Change and Sustainability

- **Impact of Climate Change on Biodiversity:** Studying the effects on various ecosystems.
- **Sustainable Agriculture:** Innovations for feeding a growing population.
- **Carbon Capture Technologies:** Mitigating greenhouse gas emissions.

PhD in Environmental Science

- **Ecosystem Restoration:** Strategies for rehabilitating degraded environments.
- **Ocean Conservation:** Addressing threats and preserving marine ecosystems.

PhD in Renewable Energy

- **Solar and Wind Energy:** Advancements in technology and efficiency.
- **Energy Storage Solutions:** Developing better batteries and storage systems.

PhD in Sustainable Development

- **Green Business Practices:** Investigating sustainable practices in business operations.
- **Environmental Impact:** Assessing the environmental impact of business activities.

C. Medicine and Public Health

PhD in Biotechnology and Genetic Engineering

- **CRISPR-based Therapies:** Progress and challenges in human medicine.
- **Genetic Research:** Exploring the ethical implications of genetic engineering.

PhD in Public Health and Epidemiology

- **Pandemic Preparedness:** Strategies for preventing and managing future outbreaks.

- **Healthcare Access:** Improving healthcare delivery in underserved areas.

D. Education and Humanities

PhD in Social Sciences

- **Cultural Studies:** Exploring the impact of globalisation on cultures.
- **Economic Development:** Researching policies for sustainable growth.

PhD in Education and Learning Technologies

- **Online Education:** Innovations in remote learning and digital classrooms.
- **Educational Psychology:** Studying learning processes and improving educational outcomes.
- **E-Learning Platforms:** Studying the effectiveness of online learning tools.
- **Artificial Intelligence in Education:** Exploring AI applications for personalised learning.

PhD in Inclusive Education

- **Special Education:** Strategies to support students with disabilities.
- **Cultural Diversity:** Examining methods to promote inclusivity in multicultural classrooms.

PhD in Curriculum Development

- **STEM Education:** Innovative approaches to teaching science, technology, engineering, and mathematics.
- **Competency-Based Education:** Designing curricula focused on skills and competencies.

PhD in Early Childhood Education

- **Early Learning:** Studying the impact of early education programs on child development.
- **Parental Involvement:** Examining the role of parents in early childhood education.

PhD in Assessment and Evaluation

- **Formative Assessment:** Developing effective formative assessment techniques.
- **Standardized Testing:** Analysing the impact and fairness of standardized tests.

PhD in Educational Policy

- **Policy Impact:** Investigating the effects of educational policies on student outcomes.
- **Funding and Resources:** Exploring equitable distribution of educational resources.

PhD in Lifelong Learning and Adult Education

- **Continuing Education:** Programs for adult learners and their impact on career development.

- **Vocational Training:** Effective vocational training methods for adult learners.

PhD in Social and Emotional Learning (SEL)

- **Emotional Intelligence:** Studying the role of SEL in student success.
- **Mental Health:** Strategies to support student mental health in educational settings.

PhD in Higher Education

- **University Governance:** Examining effective governance structures in higher education.
- **Student Engagement:** Researching methods to increase student engagement and retention.

E. Business and Entrepreneurship

PhD/DBA in Entrepreneurial Finance

- **Funding Strategies:** Exploring various funding mechanisms for startups and small businesses.
- **Venture Capital:** Analysing the impact of venture capital on entrepreneurial success.

PhD/DBA in Social Entrepreneurship

- **Impact Measurement:** Developing metrics to assess the social impact of entrepreneurial ventures.
- **Sustainable Business Models:** Creating business models that balance profit and social good.

PhD/DBA in Innovation Management

- **Technology Adoption:** Studying how businesses adopt and implement new technologies.
- **Innovation Ecosystems:** Examining the role of ecosystems in fostering innovation.

PhD/DBA in Family Business Dynamics

- **Succession Planning:** Strategies for smooth transitions in family-owned businesses.
- **Governance Structures:** Analysing effective governance practices in family businesses.

PhD/DBA in Digital Transformation

- **E-commerce Strategies:** Investigating effective strategies for online business growth.
- **Cybersecurity in Business:** Addressing cybersecurity challenges faced by modern businesses.

PhD/DBA in Global Entrepreneurship

- **Cross-Cultural Entrepreneurship:** Exploring entrepreneurial practices across different cultures.

- **International Market Entry:** Strategies for entering and succeeding in international markets.

PhD/DBA in Business Ethics and Corporate Social Responsibility (CSR)

- **Ethical Decision-Making:** Researching how businesses make ethical decisions.
- **CSR Impact:** Assessing the impact of CSR initiatives on business performance and reputation.

PhD/DBA in Organisational Behaviour

- **Leadership Styles:** Studying the impact of different leadership styles on organizational performance.
- **Employee Motivation:** Exploring factors that motivate employees in various business settings.

PhD/DBA in Market Research and Consumer Behaviour

- **Consumer Preferences:** Analysing changing consumer preferences and trends.
- **Market Segmentation:** Developing effective market segmentation strategies

These research areas are not only cutting-edge but also address some of the most pressing global challenges.

Admission

If you are passionate about making a significant impact through research, you can apply for:

1. MPhil / PhD for candidates with a master's degree in a cognate field. OR
2. MSc / PhD for candidates with a minimum of second class upper in a cognate field.
3. DBA for candidates with a master's degree in business and entrepreneurship who want a professional doctorate
4. Postdoctoral research for candidates with a PhD degree only.

Duration

PhD by research takes a minimum of four years

Postdoctoral research takes a minimum of two years.

Tuition and Fees

1. Application Fees

- Doctoral Programs: \$100
- Postdoctoral Programs: \$100

2. Tuition Fee for First Year only

- Doctoral Programs: \$2,500
- Postdoctoral Programs: \$2,000

3. Tuition Fees (per semester for second year and beyond)

- Doctoral Programs: \$500
- Postdoctoral Programs: \$500

4. Administrative Fees

- Registration Fee: \$200 (one-time)
- Graduation Fee: \$300 (one-time)

5. Miscellaneous Fees

- Student Activities and Workshops: \$200 per semester

Total Estimated Tuition Fees (for entire program)

- Doctoral Programs completed in 4 years: \$7,200
- Postdoctoral Programs: \$4,000

Funding Opportunities

There are several funding bodies that offer support for doctoral and postdoctoral programs. Here are some notable ones:

1. Alexander von Humboldt Foundation

- Offers fellowships for international researchers, including postdoctoral opportunities.

2. Lagos State Science Research and Innovation Council (LASRIC)

- Provides funding for research and development projects in Nigeria.

3. Mastercard Foundation/University of Cambridge Climate Resilience and Sustainability Research Fund

- Supports research on climate resilience and sustainability, particularly for researchers from African institutions.

4. Megatrends Afrika Project Fellowships

- Offers fellowships for African researchers working on projects related to megatrends affecting the continent.

5. Chan Zuckerberg Biohub Global Science Scholars Program

- Provides funding for early-career scientists from around the world.

6. Google Research Scholar Program

- Offers funding for researchers in various fields, including up to \$60,000 for postdoctoral research.

7. Engineering for Development (ETH4D) Doctoral Mentorship Program

- Provides grants for mentoring doctoral candidates from low- and lower-middle-income countries, including a research stay at ETH Zurich.

8. JSPS-UNU Postdoctoral Fellowship Programme

- Offers fellowships for young scholars and policymakers from developing countries to pursue advanced research in Japan.

9. Digital Life Initiative (DLI) Postdoctoral Fellowships

- Supports research on ethics, politics, and quality of life in digital societies.

10. Research and Innovations Fund (MAKRIF)

- **Location:** Makerere University, Uganda
- **Description:** Provides funding for high-impact research and innovations that address national development priorities.
- **Eligibility:** PhD students with original research ideas.
- **Grant Amount:** Up to 35,000,000 Uganda Shillings (approx. \$9,500).

11. IFRA Nairobi Fieldwork Support

- **Location:** Nairobi, Kenya
- **Description:** Offers fieldwork grants for Masters, PhD, and postdoc students conducting research in the social sciences and humanities in East Africa.
- **Eligibility:** Open to researchers conducting fieldwork in East Africa.
- **Grant Amount:** 400 to 1,200 euros.

12. scientifyRESEARCH Postdoc Research Funding

- **Location:** Various (Global)
- **Description:** Provides funding opportunities for postdoctoral fellows in various research fields.
- **Eligibility:** Postdoctoral researchers worldwide.
- **Grant Amount:** Varies by specific grant program.

13. L'Oréal-UNESCO For Women in Science

- **Location:** Global
- **Description:** Supports women researchers in various fields, including science and technology.
- **Eligibility:** Women researchers globally.
- **Grant Amount:** Varies by specific grant program.

14. European Research Council (ERC)

- **Location:** Europe
- **Description:** Provides grants for pioneering research projects across all fields of science and humanities.
- **Eligibility:** Researchers based in Europe or associated countries.
- **Grant Amount:** Up to several million euros, depending on the project.

15. Damon Runyon Cancer Research Foundation

- **Location:** USA
- **Description:** Offers fellowships for cancer researchers.
- **Eligibility:** Cancer researchers in the USA.
- **Grant Amount:** Varies by specific fellowship program.

16. ERDERA Joint Transnational Call

- **Location:** Europe and associated countries
- **Description:** Funds research on rare diseases.
- **Eligibility:** Researchers in Europe and associated countries.
- **Grant Amount:** Approximately 300,000 euros.

These funding bodies offer various opportunities and support for doctoral and postdoctoral researchers. It's a good idea to explore their specific eligibility criteria and application processes to find the best fit for your research goals.

Our Global Faculty

Global faculty lineup for the Institute for Doctoral and Postdoctoral Studies at Nexus International University, focusing on a diverse range of expertise and backgrounds:

1. Dr. Emma Rodriguez (USA)

- **Field:** Artificial Intelligence and Machine Learning
- **Background:** Renowned researcher with significant contributions to AI ethics and explainable AI.

2. Dr. Kamau Ngugi (Kenya)

- **Field:** Sustainable Development and Environmental Science
- **Background:** Expert in climate change mitigation and sustainable agriculture practices.

3. Dr. Amina El-Sayed (Egypt)

- **Field:** Biotechnology and Genetic Engineering
- **Background:** Leading scientist in CRISPR technology and genetic research.

4. Prof. Hiroshi Tanaka (Japan)

- **Field:** Renewable Energy and Environmental Engineering

- **Background:** Pioneer in solar energy innovations and energy storage solutions.

5. Dr. Maria Gonzalez (Spain)

- **Field:** Educational Technology and Online Learning
- **Background:** Specialist in e-learning platforms and digital education strategies.

6. Prof. Michael Johnson (UK)

- **Field:** Business Management and Entrepreneurship
- **Background:** Experienced in entrepreneurial finance and innovation management.

7. Dr. Anna Svensson (Sweden)

- **Field:** Public Health and Epidemiology
- **Background:** Researcher with extensive work on pandemic preparedness and healthcare access.

8. Dr. Ravi Patel (India)

- **Field:** Information Technology and Cybersecurity
- **Background:** Expert in digital transformation and cybersecurity measures for businesses.

9. Prof. Chukwuemeka Okoye (Nigeria)

- **Field:** Social Sciences and Humanities
- **Background:** Scholar with a focus on cultural studies and economic development policies.

10. Dr. Fatima Al-Mahmoud (UAE)

- **Field:** Healthcare Management and Innovation
- **Background:** Leader in healthcare delivery innovations and health economics.

11. Prof. Lucas Martins (Brazil)

- **Field:** Robotics and Automation
- **Background:** Known for advancements in human-robot interaction and autonomous systems.

12. Dr. Julie Wong (Australia)

- **Field:** Climate Change and Sustainability
- **Background:** Expert in environmental policy and ecosystem restoration strategies.

13. Dr. Laura Chen (China)

- **Field:** International Business and Trade
- **Background:** Expert in global trade policies and international market strategies.

14. Prof. Carlos Ramirez (Mexico)

- **Field:** Entrepreneurial Finance and Venture Capital
- **Background:** Renowned for his work on funding mechanisms for startups and small businesses.

15. Dr. Fatima Zahra (Morocco)

- **Field:** Women Entrepreneurship and Leadership
- **Background:** Advocate for women's empowerment and leadership in business.

16. Prof. David Smith (Canada)

- **Field:** Business Analytics and Data Science
- **Background:** Specialist in leveraging data analytics for business decision-making and strategy.

17. Dr. Aisha Patel (India)

- **Field:** Social Entrepreneurship and Impact Investing
- **Background:** Researcher focused on creating social impact through entrepreneurial ventures.

18. Prof. Jean-Pierre Dubois (France)

- **Field:** Corporate Governance and Ethics
- **Background:** Expert in corporate governance practices and ethical business conduct.

19. Dr. Olga Ivanova (Russia)

- **Field:** Innovation Management and Technology Transfer
- **Background:** Leader in managing innovation processes and transferring technology from research to market.

20. Prof. Samuel Kofi (Ghana)

- **Field:** Entrepreneurial Ecosystems and Policy
- **Background:** Scholar with a focus on developing entrepreneurial ecosystems and supportive policies.

21. Dr. Maria Gomez (Argentina)

- **Field:** Marketing and Consumer Behaviour
- **Background:** Researcher in consumer behaviour and effective marketing strategies.

22. Prof. Tariq Al-Khalidi (Jordan)

- **Field:** Business Strategy and Competitive Advantage
- **Background:** Expert in developing competitive strategies for businesses in various industries.

23. Dr. Elena Petrova (Russia)

- **Field:** Business Education and Pedagogy
- **Background:** Specialist in innovative teaching methods and curriculum development for business education.

24. Prof. Michael Osei (Ghana)

- **Field:** Financial Management and Accounting
- **Background:** Renowned for his work on financial management practices and accounting standards.

25. Dr. Isabel Santos (Portugal)

- **Field:** Sustainable Business Practices
- **Background:** Advocate for integrating sustainability into business operations and strategies.

These profiles represent a diverse range of expertise and backgrounds, which can enrich the academic environment and provide students with a global perspective on business and entrepreneurship.