



## Eni Award 2024

“Debut in Research:  
Young Talents from Africa”

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### Highlights

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1.

# The “Debut in Research - Young Talents from Africa” Award



award



Development of a sustainable and resilient nature

Nature-based solutions

One Health – Planetary Health

Preservation and restoration of natural capital

Renewable energy & energy storage

CCUS

New H<sub>2</sub> production technologies

Energy efficiency

**Registration deadline: November 24<sup>th</sup>, 2023**

All information about the Prize can be found at the following link:  
<https://www.eni.com/en-IT/innovation-technologies/eni-award.html>  
Info: [eniaward@feem.it](mailto:eniaward@feem.it)

- Since it began in 2008, the Eni Award has become much more than a company prize. It is now a globally significant event for applied research and technological innovation in energy
- The “**Debut in Research - Young Talents from Africa**” category was created in 2017 and is awarded to **African students holding a Master’s degree** (or any academic qualification granting access to a PhD course in an Italian University) **and having defended their theses at an African University** on the various scientific topics promoted by the Eni Award, i.e. decarbonization and energy transition, new energy frontiers and advanced environmental solutions
- **The Prize consists in a customized plaque and a fully funded scholarship for the attendance of a 3-year PhD course to be conducted at an Italian university, together with the indivisible sum of € 5,000 (five thousand Euros), which will be paid once the PhD scholarship has been formally accepted and enrollment procedures have been completed**
- The Award Ceremony takes place every year in Rome at Palazzo del Quirinale in the presence of the President of the Italian Republic

## The Winners

2017



### Onyeché Ugwoke Blessing

Nationality:



Affiliation Country:



**African University of Science and Technology, Abuja**

**Title of Thesis:** A Study on Energy Efficiency of Off-grid renewable energy systems in Nigeria

2017



### Yemane Kelemework Equbamariam

Nationality:



Affiliation Country:



**Addis Ababa University**

**Title of Thesis:** Integrated geophysical investigations in the Main Ethiopian Rift: implication to geothermal resource prospecting and crustal studies

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2018



### Emerance Jessica Claire D'Assise Goma-Tchimbakala

Nationality:



Affiliation Country:



**Marien NGouabi University of Brazzaville**

**Title of Thesis:** Usage of bacteria with bioremediation potential and biosurfactants in the bioremediation of soils polluted with hydrocarbons

2018



### Elvis Tinashe Ganda

Nationality:



Affiliation Country:



**Durban University of Technology**

**Title of Thesis:** Catalytic conversion of alcohol-waste vegetable oil mixtures over aluminosilicate catalysts

# The Winners

2019

**Medina Mohamed Mahmoud Mohamed**



Nationality:



Affiliation Country:

**The American University in Cairo**

**Title of Thesis:** Modification of Cellulose Acetate Membranes with Graphene Oxide Nano-fillers for Water Treatment

2019

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**Emmanuel Kweinor Tetteh**



Nationality:



Affiliation Country:

**Durban University of Technology**

**Title of Thesis:** Optimisation of dissolved air flotation (DAF) for separating industrial mineral oil from water

2020

**Alaa Abbas**



Nationality:



Affiliation Country:

**The American University in Cairo**

**Title of Thesis:** Nanoporous Stainless Steel Anode for Enhanced Microbial Fuel Cells

2020

**Djalila Ben Bouchta**



Nationality:



Affiliation Country:

**Cairo University**

**Title of Thesis:** Gender and Energy for Sustainable Development in Egypt

# The Winners

2020

**Mohamed Ahmed Ismail Tarek**



Nationality:



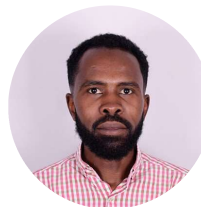
Affiliation Country:

**The American University in Cairo**

**Title of Thesis:** Sustainability of E-waste Management: Egypt Case Study

2022

**Yousif Adam**



Nationality:



Affiliation Country:

**The American University in Cairo**

**Title of Thesis:** Utilization of Chlorella Vulgaris for Biomass Production and Treatment of Wastewater From Greenhouse Farms

2022

**Ibrahim Mohamed Ibrahim  
Moustafa Ibrahim**



Nationality:



Affiliation Country:

**Arab Academy for Science, Technology and Maritime Transport**

**Title of Thesis:** Real Time Monitoring and Power Prediction for Photovoltaic Farms Using Actual Field

2022

**Andsera Aduugna Mekonen**



Nationality:



Affiliation Country:

**Addis Ababa University**

**Title of Thesis:** Remote sensing and GIS-based landslide susceptibility mapping and its implication to the environment over complex landscapes: a case of Beshilo watershed, Northern Ethiopia

# The Winners

2022



**Andris Metumo Simeon**

Nationality: 

Affiliation Country: 

**University of Cape Town**

**Title of Thesis:** Protection Coordination of a Standalone Microgrid with Static and Rotational Generators

2023

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**Gloria Amo-Duodu**

Nationality: 

Affiliation Country: 

**Durban University of Technology**

**Title of Thesis:** Application of synthesized magnetic nanoparticle for biogas production using anaerobic digestion

2023



**Elshaday Mulu Fetene**

Nationality: 

Affiliation Country: 

**Moi University**

**Title of Thesis:** Biogas Upgrade Using Natural and Modified Adsorbents

2023



**Tsion Ayalew Kebede**

Nationality: 

Affiliation Country: 

**Addis Ababa University**

**Title of Thesis:** Evaluation of Spectral Built-Up Indices for Impervious Surface Extraction Using Sentinel -2A Imageries: A Case of Addis Ababa City

# The Winners

2023

## Natnael Tilahun Sinshaw



Nationality:



Affiliation Country:



**Addis Ababa Science and Technology University**

**Title of Thesis:** Developing Potato's Leaves Disease Detection Model Using Convolutional Neural Network