



INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT

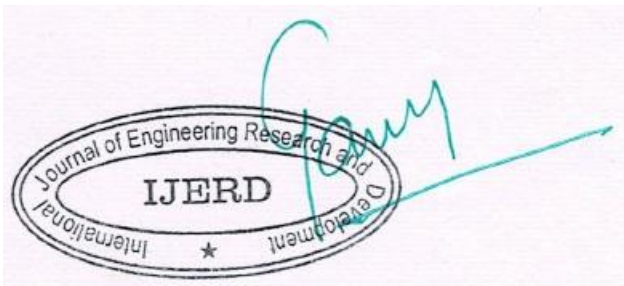
e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **“Education, Scientific Design, and Energy Transition: Integrated Pathways Toward a Culture of Sustainability”** has been published in **International Journal of Engineering Research and Development (IJERD)**.

Your article has been published with following details:

Author's Name: Ana Karen Silveira Pereira Caracas
Journal Name: International Journal of Engineering Research and Development (IJERD)
Journal URL: www.ijerd.com
Journal Type: Online & Offline
Publication Year: 2025
Publication Month: November
Vol No. : 21
Issue No. : 11



Editor-In-Chief
International Journal of Engineering Research and Development (IJERD)
ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X
E-mail ID: ijerd@editormails.com
URL: www.ijerd.com



INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT

e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **“Education, Scientific Design, and Energy Transition: Integrated Pathways Toward a Culture of Sustainability”** has been published in **International Journal of Engineering Research and Development (IJERD)**.

Your article has been published with following details:

Author's Name: Emilio Parra Sanches Junior

Journal Name: International Journal of Engineering Research and Development (IJERD)

Journal URL: www.ijerd.com

Journal Type: Online & Offline

Publication Year: 2025

Publication Month: November

Vol No. : 21

Issue No. : 11



Editor-In-Chief

International Journal of Engineering Research and Development (IJERD)

ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X

E-mail ID: ijerd@editormails.com

URL: www.ijerd.com



INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT

e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **“Education, Scientific Design, and Energy Transition: Integrated Pathways Toward a Culture of Sustainability”** has been published in **International Journal of Engineering Research and Development (IJERD)**.

Your article has been published with following details:

Author's Name: Ernandes Farias da Costa

Journal Name: International Journal of Engineering Research and Development (IJERD)

Journal URL: www.ijerd.com

Journal Type: Online & Offline

Publication Year: 2025

Publication Month: November

Vol No. : 21

Issue No. : 11



Editor-In-Chief

International Journal of Engineering Research and Development (IJERD)

ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X

E-mail ID: ijerd@editormails.com

URL: www.ijerd.com



INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT

e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **“Education, Scientific Design, and Energy Transition: Integrated Pathways Toward a Culture of Sustainability”** has been published in **International Journal of Engineering Research and Development (IJERD)**.

Your article has been published with following details:

Author's Name: *Fabiola Fernandes de Menezes*

Journal Name: *International Journal of Engineering Research and Development (IJERD)*

Journal URL: *www.ijerd.com*

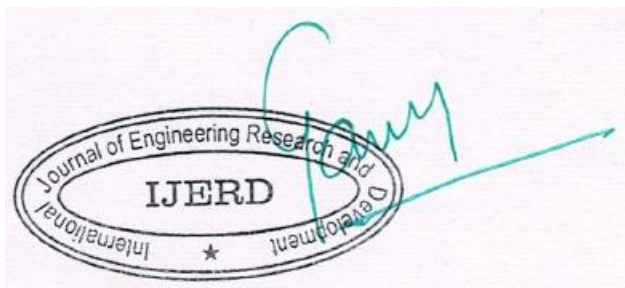
Journal Type: *Online & Offline*

Publication Year: *2025*

Publication Month: *November*

Vol No. : *21*

Issue No. : *11*



Editor-In-Chief

International Journal of Engineering Research and Development (IJERD)

ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X

E-mail ID: ijerd@editormails.com

URL: www.ijerd.com



INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT

e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **“Education, Scientific Design, and Energy Transition: Integrated Pathways Toward a Culture of Sustainability”** has been published in **International Journal of Engineering Research and Development (IJERD)**.

Your article has been published with following details:

Author's Name: Francisco José Lopes Cajado

Journal Name: International Journal of Engineering Research and Development (IJERD)

Journal URL: www.ijerd.com

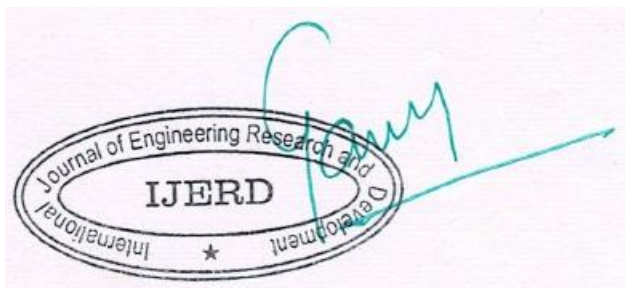
Journal Type: Online & Offline

Publication Year: 2025

Publication Month: November

Vol No. : 21

Issue No. : 11



Editor-In-Chief

International Journal of Engineering Research and Development (IJERD)

ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X

E-mail ID: ijerd@editormails.com

URL: www.ijerd.com



INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT

e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **“Education, Scientific Design, and Energy Transition: Integrated Pathways Toward a Culture of Sustainability”** has been published in **International Journal of Engineering Research and Development (IJERD)**.

Your article has been published with following details:

Author's Name: Givanildo Ximenes Santana

Journal Name: International Journal of Engineering Research and Development (IJERD)

Journal URL: www.ijerd.com

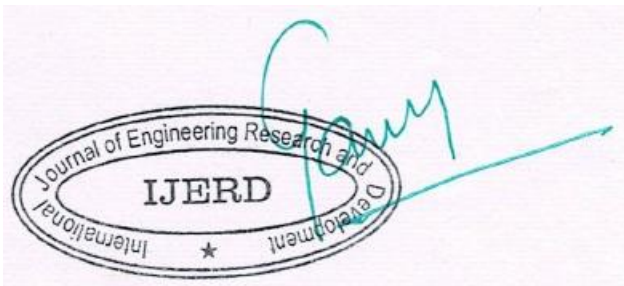
Journal Type: Online & Offline

Publication Year: 2025

Publication Month: November

Vol No. : 21

Issue No. : 11



Editor-In-Chief

International Journal of Engineering Research and Development (IJERD)

ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X

E-mail ID: ijerd@editormails.com

URL: www.ijerd.com



INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT

e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **“Education, Scientific Design, and Energy Transition: Integrated Pathways Toward a Culture of Sustainability”** has been published in **International Journal of Engineering Research and Development (IJERD)**.

Your article has been published with following details:

Author's Name: Irene Mendes Fontes

Journal Name: International Journal of Engineering Research and Development (IJERD)

Journal URL: www.ijerd.com

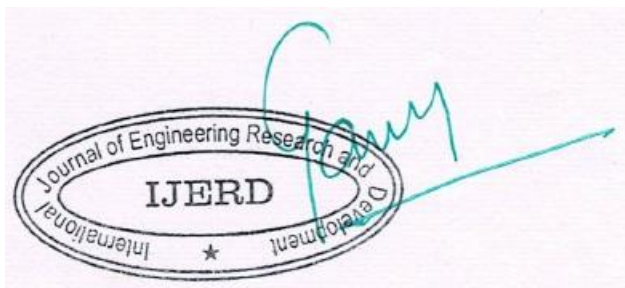
Journal Type: Online & Offline

Publication Year: 2025

Publication Month: November

Vol No. : 21

Issue No. : 11



Editor-In-Chief

International Journal of Engineering Research and Development (IJERD)

ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X

E-mail ID: ijerd@editormails.com

URL: www.ijerd.com



INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT

e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **“Education, Scientific Design, and Energy Transition: Integrated Pathways Toward a Culture of Sustainability”** has been published in **International Journal of Engineering Research and Development (IJERD)**.

Your article has been published with following details:

Author's Name: *Márcio Carneiro Barbosa*

Journal Name: *International Journal of Engineering Research and Development (IJERD)*

Journal URL: *www.ijerd.com*

Journal Type: *Online & Offline*

Publication Year: *2025*

Publication Month: *November*

Vol No. : *21*

Issue No. : *11*



Editor-In-Chief

International Journal of Engineering Research and Development (IJERD)

ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X

E-mail ID: ijerd@editormails.com

URL: www.ijerd.com



INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT

e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **“Education, Scientific Design, and Energy Transition: Integrated Pathways Toward a Culture of Sustainability”** has been published in **International Journal of Engineering Research and Development (IJERD)**.

Your article has been published with following details:

Author's Name: Nailton Rodrigues Maciel

Journal Name: International Journal of Engineering Research and Development (IJERD)

Journal URL: www.ijerd.com

Journal Type: Online & Offline

Publication Year: 2025

Publication Month: November

Vol No. : 21

Issue No. : 11



Editor-In-Chief

International Journal of Engineering Research and Development (IJERD)

ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X

E-mail ID: ijerd@editormails.com

URL: www.ijerd.com



INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT

e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **“Education, Scientific Design, and Energy Transition: Integrated Pathways Toward a Culture of Sustainability”** has been published in **International Journal of Engineering Research and Development (IJERD)**.

Your article has been published with following details:

Author's Name: Onete Raulino da Costa

Journal Name: International Journal of Engineering Research and Development (IJERD)

Journal URL: www.ijerd.com

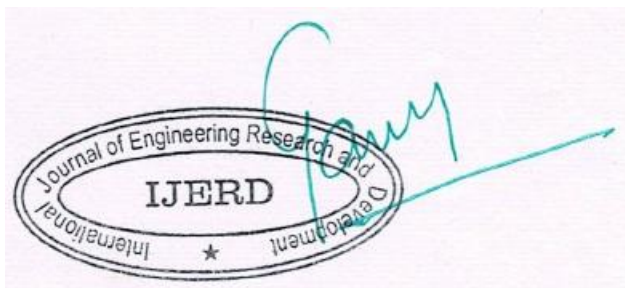
Journal Type: Online & Offline

Publication Year: 2025

Publication Month: November

Vol No. : 21

Issue No. : 11



Editor-In-Chief

International Journal of Engineering Research and Development (IJERD)

ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X

E-mail ID: ijerd@editormails.com

URL: www.ijerd.com



INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT

e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **“Education, Scientific Design, and Energy Transition: Integrated Pathways Toward a Culture of Sustainability”** has been published in **International Journal of Engineering Research and Development (IJERD)**.

Your article has been published with following details:

Author's Name: Paulo Henrique Barbosa Sousa

Journal Name: International Journal of Engineering Research and Development (IJERD)

Journal URL: www.ijerd.com

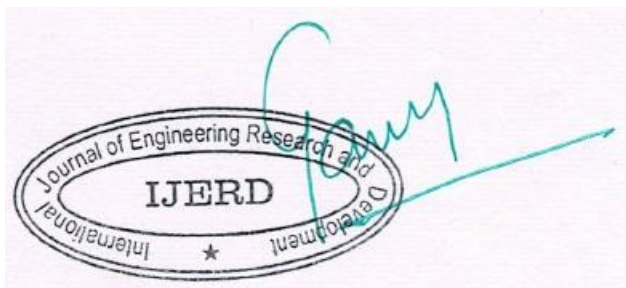
Journal Type: Online & Offline

Publication Year: 2025

Publication Month: November

Vol No. : 21

Issue No. : 11



Editor-In-Chief

International Journal of Engineering Research and Development (IJERD)

ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X

E-mail ID: ijerd@editormails.com

URL: www.ijerd.com



INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT

e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **“Education, Scientific Design, and Energy Transition: Integrated Pathways Toward a Culture of Sustainability”** has been published in **International Journal of Engineering Research and Development (IJERD)**.

Your article has been published with following details:

Author's Name: Rickardo Léo Ramos Gomes

Journal Name: International Journal of Engineering Research and Development (IJERD)

Journal URL: www.ijerd.com

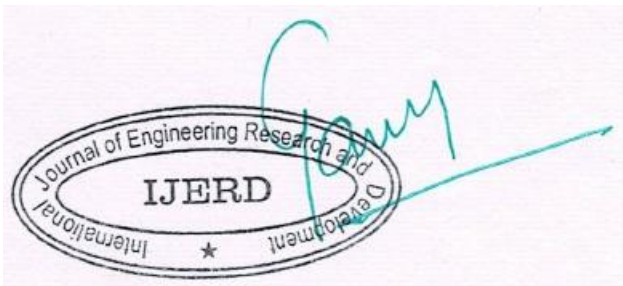
Journal Type: Online & Offline

Publication Year: 2025

Publication Month: November

Vol No. : 21

Issue No. : 11



Editor-In-Chief

International Journal of Engineering Research and Development (IJERD)

ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X

E-mail ID: ijerd@editormails.com

URL: www.ijerd.com



INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT

e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **“Education, Scientific Design, and Energy Transition: Integrated Pathways Toward a Culture of Sustainability”** has been published in **International Journal of Engineering Research and Development (IJERD)**.

Your article has been published with following details:

Author's Name: Roberto Augusto Caracas Neto

Journal Name: International Journal of Engineering Research and Development (IJERD)

Journal URL: www.ijerd.com

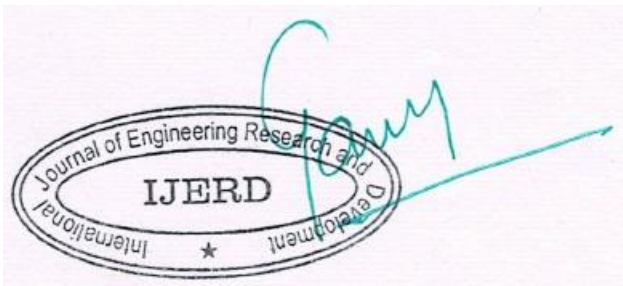
Journal Type: Online & Offline

Publication Year: 2025

Publication Month: November

Vol No. : 21

Issue No. : 11



Editor-In-Chief

International Journal of Engineering Research and Development (IJERD)

ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X

E-mail ID: ijerd@editormails.com

URL: www.ijerd.com



INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT

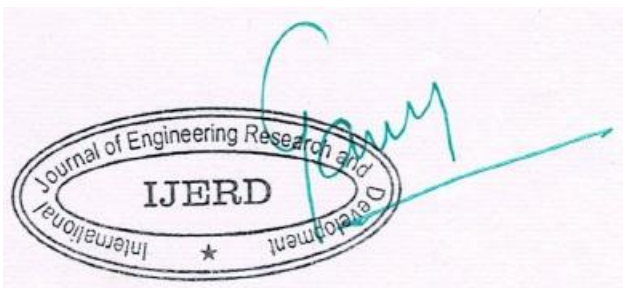
e-ISSN: 2278-067X p-ISSN: 2278-800X

CERTIFICATE

It is certified that the paper entitled by **“Education, Scientific Design, and Energy Transition: Integrated Pathways Toward a Culture of Sustainability”** has been published in **International Journal of Engineering Research and Development (IJERD)**.

Your article has been published with following details:

Author's Name: Tadeu Dote Sá
Journal Name: International Journal of Engineering Research and Development (IJERD)
Journal URL: www.ijerd.com
Journal Type: Online & Offline
Publication Year: 2025
Publication Month: November
Vol No. : 21
Issue No. : 11



Editor-In-Chief
International Journal of Engineering Research and Development (IJERD)
ISSN(Online) : 2278-067X, ISSN(Print) : 2278-800X
E-mail ID: ijerd@editormails.com
URL: www.ijerd.com