

# INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS | ISSN: 2320 - 2882

An International Open Access, Peer-reviewed, Refereed Journal

The Board of

International Journal of Creative Research Thoughts

Is hereby awarding this certificate to

**Tochukwu Kingsley Okoro** 

In recognition of the publication of the paper entitled

## APPLICATION OF MODIFIED PINCH TECHNIQUE IN THE OPTIMIZATION OF TOTAL ANNUAL COST OF HEAT EXCHANGER NETWORKS

Published In IJCRT (www.ijert.org) & 7.97 Impact Factor by Google Scholar

Volume 10 Issue 10 October 2022, Pate of Publication: 31-October-2022

UGC Approved Journal No: 49023 (18)

PAPER ID: IJCRT2210467

Registration ID: 226953



EDITOR IN CHIEF

Scholarly open access journals, Peer-reviewed, and Refereed Journals, Impact factor 7.97 (Calculate by google scholar and Semantic Scholar | Al-Powered Research Tool), Multidisciplinary, Monthly Journal



An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal







# INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS | ISSN: 2320 - 2882

An International Open Access, Peer-reviewed, Refereed Journal

The Board of

International Journal of Creative Research Thoughts

Is hereby awarding this certificate to

## **Robinson David Udo**

In recognition of the publication of the paper entitled

## APPLICATION OF MODIFIED PINCH TECHNIQUE IN THE OPTIMIZATION OF TOTAL ANNUAL COST OF HEAT EXCHANGER NETWORKS

Published In IJCRT (www.ijert.org) & 7.97 Impact Factor by Google Scholar

Volume 10 Issue 10 October 2022, Pate of Publication: 31-October-2022

UGC Approved Journal No: 49023 (18)

PAPER ID: IJCRT2210467

Registration ID: 226953

ISSN 2320-2882 JOERT JOE

EDITOR IN CHIEF

Scholarly open access journals, Peer-reviewed, and Refereed Journals, Impact factor 7.97 (Calculate by google scholar and Semantic Scholar | Al-Powered Research Tool), Multidisciplinary, Monthly Journal



### INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS | IJCRT

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal





# INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS | ISSN: 2320 - 2882

An International Open Access, Peer-reviewed, Refereed Journal

The Board of

International Journal of Creative Research Thoughts

Is hereby awarding this certificate to

Tsebam Samuel Ayegu

In recognition of the publication of the paper entitled

## APPLICATION OF MODIFIED PINCH TECHNIQUE IN THE OPTIMIZATION OF TOTAL ANNUAL COST OF HEAT EXCHANGER NETWORKS

Published In IJCRT (www.ijert.org) & 7.97 Impact Factor by Google Scholar

Volume 10 Issue 10 October 2022, Pate of Publication: 31-October-2022

UGC Approved Journal No: 49023 (18)

PAPER ID: IJCRT2210467

Registration ID: 226953



EDITOR IN CHIEF

Scholarly open access journals, Peer-reviewed, and Refereed Journals, Impact factor 7.97 (Calculate by google scholar and Semantic Scholar | Al-Powered Research Tool), Multidisciplinary, Monthly Journal



### INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS | IJCRT

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal





# INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS | ISSN: 2320 - 2882

An International Open Access, Peer-reviewed, Refereed Journal

The Board of

International Journal of Creative Research Thoughts

Is hereby awarding this certificate to

## **Stephen Chidimma Adams**

In recognition of the publication of the paper entitled

## APPLICATION OF MODIFIED PINCH TECHNIQUE IN THE OPTIMIZATION OF TOTAL ANNUAL COST OF HEAT EXCHANGER NETWORKS

Published In IJCRT (www.ijert.org) & 7.97 Impact Factor by Google Scholar

Volume 10 Issue 10 October 2022, Pate of Publication: 31-October-2022

UGC Approved Journal No: 4902<mark>3 (18)</mark>

PAPER ID: IJCRT2210467

Registration ID: 226953

EDITOR IN CHIEF

Scholarly open access journals, Peer-reviewed, and Refereed Journals, Impact factor 7.97 (Calculate by google scholar and Semantic Scholar | Al-Powered Research Tool), Multidisciplinary, Monthly Journal



### INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS | IJCRT

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal





# INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS | ISSN: 2320 - 2882

An International Open Access, Peer-reviewed, Refereed Journal

The Board of

International Journal of Creative Research Thoughts

Is hereby awarding this certificate to

## **Olawale Samson Kolade**

In recognition of the publication of the paper entitled

## APPLICATION OF MODIFIED PINCH TECHNIQUE IN THE OPTIMIZATION OF TOTAL ANNUAL COST OF HEAT EXCHANGER NETWORKS

Published In IJCRT (www.ijert.org) & 7.97 Impact Factor by Google Scholar

Volume 10 Issue 10 October 2022, Pate of Publication: 31-October-2022

UGC Approved Journal No: 49023 (18)

PAPER ID: IJCRT2210467

Registration ID: 226953



EDITOR IN CHIEF

Scholarly open access journals, Peer-reviewed, and Refereed Journals, Impact factor 7.97 (Calculate by google scholar and Semantic Scholar | Al-Powered Research Tool), Multidisciplinary, Monthly Journal



### INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS | IJCRT

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

