

# 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

Dinkar P. Patil

In recognition of the publication of the paper entitled

# APPLICATIONS OF EMAD-SARA TRANSFORM IN HANDLING POPULATION GROWTH AND DECAY PROBLEMS

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

Volume 10 Issue 7 July 2022 , Date of Publication: 02-July-2022

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

PAPER ID: IJCRT2207013

Registration ID: 222531

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

## Priti Pardeshi

In recognition of the publication of the paper entitled

# APPLICATIONS OF EMAD-SARA TRANSFORM IN HANDLING POPULATION GROWTH AND DECAY PROBLEMS

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

Volume 10 Issue 7 July 2022, Pate of Publication: 02-July-2022

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

PAPER ID: IJCRT2207013

Registration ID: 222531

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

## Rizwana Shaikh

In recognition of the publication of the paper entitled

# APPLICATIONS OF EMAD-SARA TRANSFORM IN HANDLING POPULATION GROWTH AND DECAY PROBLEMS

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

Volume 10 Issue 7 July 2022, Pate of Publication: 02-July-2022

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

PAPER ID: IJCRT2207013

Registration ID: 222531

ISSN 2320-2882 IJCRT

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

## Harshali Deshmukh

In recognition of the publication of the paper entitled

# APPLICATIONS OF EMAD-SARA TRANSFORM IN HANDLING POPULATION GROWTH AND DECAY PROBLEMS

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

Volume 10 Issue 7 July 2022, Pate of Publication: 02-July-2022

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

PAPER ID: IJCRT2207013

Registration ID: 222531



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

