



Journal of Emerging Technologies and Innovative Research

An International Open Access Journal Peer-reviewed, Refereed Journal

www.jetir.org | editor@jetir.org An International Scholarly Indexed Journal

Certificate of Publication

The Board of

Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162)

Is hereby awarding this certificate to

Nisha Morasada

In recognition of the publication of the paper entitled

**ENERGY EFFICIENT CO-OPERATIVE SPECTRUM SENSING USING
GENETIC ALGORITHM AND PARTICAL SWARM OPTIMIZATION: A
REVIEW**

Published In JETIR (www.jetir.org) ISSN UGC Approved (Journal No: 63975) & 7.95 Impact Factor

Published in Volume 6 Issue 2 , February-2019 | Date of Publication: 2019-02-26

Parisa P
EDITOR

[Signature]
EDITOR IN CHIEF



JETIRAB06080

Research Paper Weblink <http://www.jetir.org/view?paper=JETIRAB06080>

Registration ID : 197807

An International Scholarly Open Access Journal, Peer-Reviewed, Refereed Journal Impact Factor Calculate by Google Scholar and Semantic Scholar | AI-Powered Research Tool, Multidisciplinary, Monthly, Multilanguage Journal Indexing in All Major Database & Metadata, Citation Generator



Journal of Emerging Technologies and Innovative Research

An International Open Access Journal Peer-reviewed, Refereed Journal

www.jetir.org | editor@jetir.org **An International Scholarly Indexed Journal**

Certificate of Publication

The Board of

Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162)

Is hereby awarding this certificate to

Ketki Pathak

In recognition of the publication of the paper entitled

**ENERGY EFFICIENT CO-OPERATIVE SPECTRUM SENSING USING
GENETIC ALGORITHM AND PARTIAL SWARM OPTIMIZATION: A
REVIEW**

Published In JETIR (www.jetir.org) ISSN UGC Approved (Journal No: 63975) & 7.95 Impact Factor

Published in Volume 6 Issue 2 , February-2019 | Date of Publication: 2019-02-26

Paria P

EDITOR

[Signature]

EDITOR IN CHIEF

JETIRAB06080

Research Paper Weblink <http://www.jetir.org/view?paper=JETIRAB06080>

Registration ID : 197807





Journal of Emerging Technologies and Innovative Research

An International Open Access Journal Peer-reviewed, Refereed Journal

www.jetir.org | editor@jetir.org **An International Scholarly Indexed Journal**

Certificate of Publication

The Board of

Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162)

Is hereby awarding this certificate to

K.G. Bhuva

In recognition of the publication of the paper entitled

**ENERGY EFFICIENT CO-OPERATIVE SPECTRUM SENSING USING
GENETIC ALGORITHM AND PARTICAL SWARM OPTIMIZATION: A
REVIEW**

Published In JETIR (www.jetir.org) ISSN UGC Approved (Journal No: 63975) & 7.95 Impact Factor

Published in Volume 6 Issue 2 , February-2019 | Date of Publication: 2019-02-26

Paria P

EDITOR

[Signature]

EDITOR IN CHIEF

JETIRAB06080

Research Paper Weblink <http://www.jetir.org/view?paper=JETIRAB06080>

Registration ID : 197807

