

# International Journal of Scientific Development and Research

## IJSDR.ORG | ISSN : 2455-2631



*An International Open Access, Peer-reviewed, Refereed Journal*

The Board of  
International Journal of Scientific Development and Research

Is hereby awarding certificate to

**Ashutosh Arvind Banavadikar**

In recognition of the publication of the paper entitled  
**Comparative Analysis of Heat Transfer Characteristics of Symmetrical Natural Pattern Minichannel Heat sink**

Published in Volume 3 Issue 11, December-2018, | Impact Factor: 9.15 by Google Scholar

Co-Authors - R D Shelke, H N Deshpande

Paper ID - IJSDR1812036  
Registration ID - 180900



  
Editor-In Chief

An International Scholarly, Open Access, Multi-disciplinary, Monthly, Indexing in all Major Database & Metadata, Citation Generator

**IJSDR - International Journal of Scientific Development and Research | ESTD: 2016**

[www.ijedr.org](http://www.ijedr.org) | [editor@ijedr.org](mailto:editor@ijedr.org)

Certificate of Publication

IJSDR | ISSN : 2455-2631

# International Journal of Scientific Development and Research

## IJSDR.ORG | ISSN : 2455-2631



*An International Open Access, Peer-reviewed, Refereed Journal*

The Board of  
International Journal of Scientific Development and Research

Is hereby awarding certificate to

**R D Shelke**

In recognition of the publication of the paper entitled  
**Comparative Analysis of Heat Transfer Characteristics of Symmetrical Natural Pattern Minichannel Heat sink**

Published in Volume 3 Issue 11, December-2018, | Impact Factor: 9.15 by Google Scholar

Co-Authors - Ashutosh Arvind Banavadikar, H N Deshpande

Paper ID - IJSDR1812036  
Registration ID - 180900



  
Editor-In Chief

An International Scholarly, Open Access, Multi-disciplinary, Monthly, Indexing in all Major Database & Metadata, Citation Generator

**IJSDR - International Journal of Scientific Development and Research | ESTD: 2016**

[www.ijedr.org](http://www.ijedr.org) | [editor@ijedr.org](mailto:editor@ijedr.org)

Certificate of Publication

IJSDR | ISSN : 2455-2631

# International Journal of Scientific Development and Research

## IJSDR.ORG | ISSN : 2455-2631



*An International Open Access, Peer-reviewed, Refereed Journal*

The Board of  
International Journal of Scientific Development and Research

Is hereby awarding certificate to

**H N Deshpande**

In recognition of the publication of the paper entitled  
**Comparative Analysis of Heat Transfer Characteristics of Symmetrical Natural Pattern Minichannel Heat sink**

Published in Volume 3 Issue 11, December-2018, | Impact Factor: 9.15 by Google Scholar

Co-Authors - Ashutosh Arvind Banavadikar, R D Shelke

Paper ID - IJSDR1812036  
Registration ID - 180900



  
Editor-In Chief

An International Scholarly, Open Access, Multi-disciplinary, Monthly, Indexing in all Major Database & Metadata, Citation Generator

**IJSDR - International Journal of Scientific Development and Research | ESTD: 2016**

[www.ijedr.org](http://www.ijedr.org) | [editor@ijedr.org](mailto:editor@ijedr.org)

Certificate of Publication

IJSDR | ISSN : 2455-2631