



# 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

**Budhdeo Gautam**

In recognition of the publication of the paper entitled  
**Synthesis and characterizations of  
2-(2-3"-chlorophenyl-4-4'-dimethylaminophenyl-1-3-butadienyl)-3-ethylbenz  
othiazolium iodide. [A Hemicyanine Dye]**

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