



ASSESSMENT/EVALUATION REPORT OF MAJOR RESEARCH PROJECT (MRP)
SPONSORED BY
UNIVERSITY GRANT COMMISSION
BAHADUR SHAH ZAFAR MARG, NEW DELHI PIN: 110 002. INDIA

A: DETAILS OF PROJECT		
S.No	Title of the project	Synthesis, Characterization And Photovoltaic Performance Of Innovative Nanostructured Materials For Solar Energy Conversion
1.	Total duration of project	3 years from 2012 to 2015, extended till 31/03/2017
2.	Project status	Completed
3.	Subject	Solar Energy Conversion
4.	File Number (Ref. No.)	F. No. 41-376/2012 (SR) Dated 17.07.2012
5.	Grants Approved	Rs. 11,94,371.00/-
B: EVALUATION REPORT OF EXPERTS MEMBER		
1.	Name of Principal Investigator	Dr. A. Vadivel Murugan
2.	Designation	Associate Professor & Centre Head
3.	Address of Principal Investigator	Centre for Nanoscience and Technology, Madanjeet School of Green Energy Technologies, Pondicherry University (A Central University), Dr. R. Venkatraman Nagar, Puducherry-605 014, India.
4.	Whether work is focussed on the title of the sanctioned project	Yes
5.	Whether original work is done	Yes
6.	Whether significant contribution made by the Principal Investigator	Yes
7.	Whether proposed work have relevance to the society/scientific community	Yes
8.	What type of contribution found in the final report: Theoretical/Practical. If there are theoretical contribution given by the Principal Investigator whether real applications are given.	Practical
9.	Whether theoretical contributions and their results and finds are published.	NA
10.	Whether results and findings are significant.	Yes
11.	Whether the significant publications are made by Principal Investigator in peer reviewed journals.	Yes, there are 5 papers have been published in internationally reputed Journals.
12.	The number of publications made by Principal Investigator in standard reputed journals.	Yes
13.	Whether contributions made by Principal Investigator is sufficient.	Yes, Sufficient
14.	The findings and results of the sanction major research projects are justifiable.	Yes
15.	Whether completed project work meet the proposed objectives.	Yes

16.	Give your brief comments on the overall work of the project.	There are several morphologies of ZnO, TiO ₂ and NiCo ₂ S ₄ nanostructured materials have been prepared using different techniques. They have also prepared NiCo ₂ S ₄ thiospinel/graphene nanohybrid for counter electrode application for Pt-free DSSCs. The prepared materials are well characterized using different analytical tools. They have fabricated the dye sensitized solar cells (DSSC) device using the above materials and measured their photovoltaic properties. Over all, all the proposed objectives for this project were successfully addressed and the target were achieved.
17.	Any specific comments	NA
18.	Indicate your overall assessment of the project: Poor/Good/Excellent.	Excellent
19.	Date: 01-04-2019 Place: Karaikudi Name & Address of Expert: M. Sathish, scientist, CSIR-CECRI, Karaikudi Signature & Seal:  01/04/19 Dr. M. SATHISH, M.Sc., Ph.D., Scientist CSIR-Central Electrochemical Research Institute Karaikudi-630 006, Tamilnadu, India.	


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Registrar
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