

UNIVERSITY GRANT COMMISSION
BahadurshahJafar Marg, Delhi
PONDICHERRY UNIVERSITY
PONDICHERRY

ASSESSMENT/EVALUATION REPORT UGC MRP

A. DETAILS OF THE PROJECT

1.	Title of the project	Role of nucleoplasmin in the assembly of histone proteins and nucleosomes: theoretical perspective
2.	Total duration of the project	1/4/2013 -31/3/2017
3.	Project status	Completed
4.	Subject	Biosciences
5.	File Number UGC reference number & date	F. No. 42-863/2013[SR] dated on 25/3/-2013 F. No. 42-863/2013[SR] dated on 8/6/2016
6.	Grant approval	Rs. 12,43,800/-

B. EVALUATION REPORT OF THE EXPERT MEMBER


1.	Name of the principal investigator	Dr. R. AMUTHA
2.	Designation	Assistant Professor
3.	Address , E-mail, phone	Centre for Bioinformatics, Pondicherry University, Puducherry 605014 e-mail: ramutha@bicpu.edu.in / amutha_ramu@yahoo.com
4.	Whether work is focused on the title of the project	Yes
5.	Whether original work is done	Yes
6.	Whether significant contribution made the principal investigator	Yes
7.	Whether proposed work have relevance to the society/ scientific community	The executed research work has relevance to the scientific community
8.	What type of contribution found in the final report theoretical/ practical. If there are theoretical contribution given by the principal investigator, whether real application are given	The PI has analyzed the interaction mechanism of nucleoplasmin and histone proteins through molecular dynamics and simulations, one of the efficient approaches in computational biology. The report highlights the importance of histone tail regions while forming complex with nucleoplasmin. The highlighted theoretical

		observations would be useful for the next level of understanding on the compactness of genetic material.
9.	Whether theoretical/ practical contribution and their results and finds are published	NO The present report documents an extensive analysis on the role of nucleoplasmin in the assembly of histone proteins. I presume the PI will be processing this report for further manuscript submission.
10.	Whether results and findings are significant	The reported results are significant to the research community
11.	Whether the significant publication are made by principal investigator in peer reviewed journal	-
12.	The number of publication made by the principal investigator in standard reputed journal	-
13.	Whether the contribution made by the principal investigator is sufficient	Contribution made by the PI is significantly sufficient
14.	The findings and results of the sanction major research projects are justifiable	Yes
15.	Whether completed project work meet the proposed objective	Yes
16.	Give your brief comments on the overall work of the project	Overall, the research work highlights the complex formation between nucleoplasmin and histone, which is very much important in biological sciences. In particular, the observations reveal the role of the acidic tracks of nucleoplasmin and the tails of histone in forming a stable complex.
17.	Any specific comments	Interesting work on the assembly of nucleosome.
18.	Indicate your overall assessment of the project poor/ good / excellent	Good

Date:

Place: Chandigarh

Name and Address of Expert:
Department of Chemistry
Panjab University, Chandigarh-160014


DR. NEETU GOEL
Dept. of Chemistry
Panjab University
Chandigarh-160014


DEAN (RESEARCH)
Pondicherry University
Puducherry - 605 014


DR. R. AMUTHA
Assistant Professor
Centre for Bioinformatics
Pondicherry University
Puducherry - 605 014, India

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