

12. ACHIEVEMENTS FROM THE PROJECT: **The proposed research work progressed partly from the support of a project fellow (Ms. Paramita Banerjee).**

13. SUMMARY OF THE FINDINGS (IN 500 WORDS):

See Annexure-I

14. CONTRIBUTION TO THE SOCIETY:

One manpower has been trained in the field of chemical science for the advancement of knowledge and development of new scientific contribution in the society.

15. WHETHER ANY PH.D. ENROLLED/PRODUCED OUT OF THE PROJECT: **YES**

The fellow has been enrollment and registered for PhD degree. Her PhD Enrollment No. & PhD Registration No are 522013E003, dated: 20.11.2013 & Ph.D/R/2015/0033, dated: 16.04.2015, respectively. The fellow is expected to submit her PhD thesis shortly.

16. NO. OF PUBLICATIONS OUT OF THE PROJECT (PLEASE ATTACH RE-PRINTS): **02**

Details of the research publications with project fellow (Reprints Attached)

1. P.Banerjee and P. K. Nandi (2015): "Electronic structure and second hyperpolarizability of $M(NA_2)_2$ ($M = Be, Mg, Ca; A = H, Li, Na$) complexes ", **Chem. Phys. Lett., 637, 164–171.**
2. P.Banerjee and P. K. Nandi (2016): "Electronic Structure and Second hyperpolarizability of Alkaline Earth Metal Complexes End-capped With NA_2 ($A=H, Li, Na$) ", **Phys. Chem. Chem. Phys., 18, 12505 - 12520.**

Paramita Kumar Nandi

(PRINCIPAL INVESTIGATOR)

23/3/2018

28/3/18

(REGISTRAR/PRINCIPAL)

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