



तेजपुर विश्वविद्यालय

(केन्द्रीय विश्वविद्यालय)

नपाम, तेजपुर - 784 028, असम, भारत

TEZPUR UNIVERSITY

(A Central University)

Napaam, Tezpur - 784 028, Assam, India

CERTIFICATE

This is to certify that **Mr Pranjal Gogoi**, M. Sc. in Chemical Sciences, Tezpur University has satisfactorily completed his project work entitled “**NO adsorption on neutral and charged Pd_n (n=1-5) clusters: A comparative density functional study**”. This is an original work which has not been submitted to any other institute, University or Organisation for the award of any degree or diploma to the best of my knowledge and belief.

I wish him all the best and success in life.

Date:

(Prof. N. Karak)

Professor and Head,

Place:

Department Of Chemical Sciences,

Napaam-784028.



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CERTIFICATE BY SUPERVISOR

This is to certify that the project report entitled “**NO adsorption on neutral and charged Pd_n (n=1-5) clusters: A comparative density functional study**” which is being submitted by Mr. Pranjal Gogoi, a student of semester IV, M. Sc. in Chemical Sciences, of the department of Chemical Sciences, School of Science and Technology, Tezpur University, Tezpur 784028, as the partial fulfilment of the requirement for M.Sc. degree in Chemical Sciences under Tezpur University, is a record of bonafide research work carried out by him under my supervision and guidance.

It is certified that the report is the result of his own investigation. The work and the results embodied in this report have not been submitted to any University or Institute for award of any research degree.

Date: 8/5/12

Place:

(Prof. R. C. Deka)

Department of Chemical Sciences

Tezpur University

DECLARATION BY THE CANDIDATE

This is to declare that I have carried out the M.Sc. project entitled “**NO adsorption on neutral and charged Pd_n (n=1-5) clusters: A comparative density functional study**” under the guidance of **Dr. Ramesh C. Deka, Professor** in the Department of Chemical Sciences, Tezpur University for the partial fulfillment of the degree in **Master of Science in Chemical Sciences**. The report embodied accounts for my own findings and have not been submitted previously anywhere for any degree whatsoever by either me or anyone else.

Date- 8/05/12

Place- Tezpur

Pranjal Gogoi
Pranjal Gogoi

M. Sc. in Chemical Sciences
Tezpur University

Acknowledgement


I take the opportunity to express my gratitude and thanks to my respected teacher Prof. Ramesh C. Deka, who remained as a constant guide and helped me with valuable suggestions leading to the successful completion of the project work.

I am also thankful to Prof. N. Karak, HoD, Chemical Sciences, Tezpur University and all my respected teachers for arranging such a project work and also for their valuable suggestions, guidance and for their support.

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Last but not the least, I would like to thank my parents and all my friends for giving me their helping hands, everytime I required and encouraging me at every step to carry out my duties and also for their moral support that kept my spirit up during the work.

Place: Tezpur
Date: 8/08/12


Pranjal Gogoi
M. Sc. Final semester
Dept. of Chemical Sciences
Tezpur University