

UNIVERSITY OF NORTH BENGAL

Accredited by NAAC with grade A

Dr. M. N. ROY

Awardee of One Time Grant from UGC,
Prof. Suresh C. Ameta from ICS
and Bronze Medal from CRSI

Professor and Head
Department of Chemistry



Phone: 0353 2776381
Mobile: 094344 96154
Fax: +91 353 2699001
Darjeeling- 734013
West Bengal, INDIA
January, 2017
E-mail: mahendraroy2002@yahoo.co.in

CERTIFICATE

I certify that Mr. Biraj Kumar Barman has prepared the thesis entitled "INVESTIGATION OF DIVERSE INTERACTIONS AND INCLUSION COMPLEXATION IN DIFFERENT ENVIRONMENTS BY PHYSICOCHEMICAL METHODOLOGY", for the award of PhD degree of the University of North Bengal, under my guidance. He has carried out the work at the Department of Chemistry, University of North Bengal.

Mahendra Nath Roy (08-01-2018)

DR. MAHENDRA NATH ROY

Professor and Head
Department of Chemistry
University of North Bengal

Darjeeling: 734013
West Bengal, India

DATE: 08-01-2018

Prof. (Dr.) M. N. Roy
Head of the Department of Chemistry
&
Programme Coordinator, SAP, DRS-III
University of North Bengal
Darjeeling - 734013, India

Anti-plagiarism Report of Ph.D Thesis

Title of the Thesis: Investigation of Diverse Interactions and Inclusion Complexation in Different Environments by Physicochemical Methodology

Urkund Analysis Result

Analysed Document: Biraj_Chemistry.pdf (D34250766)
Submitted: 12/30/2017 9:48:00 AM
Submitted By: nbuplg@gmail.com
Significance: 1 %

Sources included in the report:

<http://www.rsc.org/suppdata/cc/b7/b703132g/b703132g.pdf>
<https://link.springer.com/article/10.1186/1752-153X-3-9>

Instances where selected sources appear:

5

Biraj Kumar Barman

Signature of the Candidate

Mahendra Nath Roy

Signature of the Supervisor:

Prof. (Dr.) M. N. Roy
Head of the Department of Chemistry

&
Programme Coordinator, SAP, DRS-III
University of North Bengal
Darjeeling - 734013, India

Mahendra Nath Roy (08-01-2018)

Signature of the HOD, Chemistry

Prof. (Dr.) M. N. Roy
Head of the Department of Chemistry

&
Programme Coordinator, SAP, DRS-III
University of North Bengal
Darjeeling - 734013, India