

**PROJECT REPORT
ON**

**“SYNTHESIS AND CHARACTERIZATION
OF Chromium (III) oxalato complexes”**



**Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT**

**UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)**

Submitted By :

SWASTIKA SAIKIA

ROLL NO. : 10520141

REGISTRATION NO. : S1520906

YEAR : 2018

CERTIFICATE

Mr. Jyoti Prasad Dutta , M.Sc, M.Phil

Department Of Chemistry

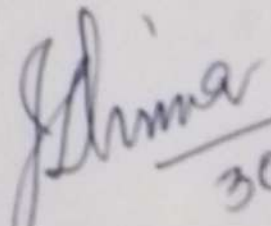
D.R. College,

Golaghat

This is to certify that the project "**Synthesis and Characterization of Chromium (III) oxalato complexes**" submitted by Swastika Saikia, a student of 6th semester bearing Roll No. 10520141, Registration No.S1520906 Of D.R. College, Golaghat has been completed under my supervision. The project report is the result of his/her own investigation and he/she has fulfilled all the requirements prescribed under the project regulations of Dibrugarh University syllabus of 6th semester.

Date: 31/05/2018

Place: Golaghat


30/05/18
Mr. Jyoti Prasad Dutta

PROJECT REPORT

ON

“SYNTHESIS AND CHARACTERIZATION OF Chromium (III) oxalato complexes”



Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT

UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)

Submitted By :

KULDIP SAIKIA

ROLL NO. : 10520040

REGISTRATION NO. : S1520809

YEAR : 2018

CERTIFICATE

Mr. Jyoti Prasad Dutta , M.Sc, M.Phil

Department Of Chemistry

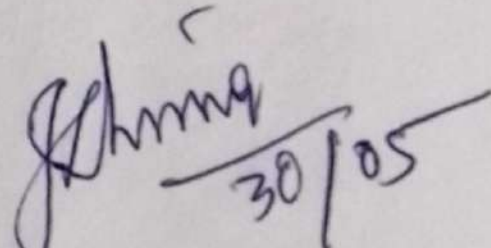
D.R. College,

Golaghat

This is to certify that the project "**Synthesis and Characterization of Chromium (III) oxalato complexes**" submitted by Kuldip Saikia, a student of 6th semester bearing Roll No. 10520040, Registration No.S1520809 Of D.R. College, Golaghat has been completed under my supervision. The project report is the result of his/her own investigation and he/she has fulfilled all the requirements prescribed under the project regulations of Dibrugarh University syllabus of 6th semester.

Date: 31/05/2018

Place: Golaghat


30/05
Mr. Jyoti Prasad Dutta

**PROJECT REPORT
ON**

**“SYNTHESIS AND CHARACTERIZATION
OF Chromium (III) oxalato complexes”**



**Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT**

**UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)**

Submitted By :

HIRAN JAFRI AHMED

ROLL NO. : 10520032

REGISTRATION NO. : S1520793

YEAR : 2018

CERTIFICATE

Mr. Jyoti Prasad Dutta , M.Sc, M.Phil

Department Of Chemistry

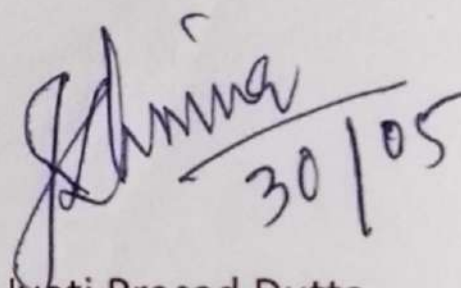
D.R. College,

Golaghat

This is to certify that the project "**Synthesis and Characterization of Chromium (III) oxalato complexes**" submitted by Hiran Jafri Ahmed, a student of 6th semester bearing Roll No. 10520032, Registration No.S1520793 Of D.R. College, Golaghat has been completed under my supervision. The project report is the result of his/her own investigation and he/she has fulfilled all the requirements prescribed under the project regulations of Dibrugarh University syllabus of 6th semester.

Date: 31/05/2018

Place: Golaghat


30/05
Mr. Jyoti Prasad Dutta

**PROJECT REPORT
ON**

**“SYNTHESIS AND CHARACTERIZATION
OF Chromium (III) oxalato complexes”**



**Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT**

**UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)**

Submitted By :

RINKI KALITA

ROLL NO. : 10520132

REGISTRATION NO. : S1520877

YEAR : 2018

CERTIFICATE

Mr. Jyoti Prasad Dutta , M.Sc, M.Phil

Department Of Chemistry

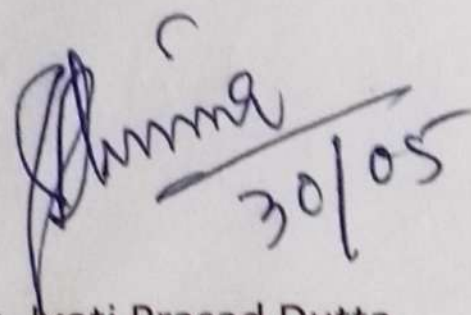
D.R. College,

Golaghat

This is to certify that the project "**Synthesis and Characterization of Chromium (III) oxalato complexes**" submitted by Rinki Kalita, a student of 6th semester bearing Roll No. 10520132, Registration No.S1520877 Of D.R. College, Golaghat has been completed under my supervision. The project report is the result of his/her own investigation and he/she has fulfilled all the requirements prescribed under the project regulations of Dibrugarh University syllabus of 6th semester.

Date: 31/05/2018

Place: Golaghat



Mr. Jyoti Prasad Dutta

PROJECT REPORT

ON

“ARSENIC REMOVAL FROM AQUEOUS SOLUTION USING POWDERED ACTIVATED CARBON”



Submitted to the

DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT

UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)

Submitted By :

BIPASHA SAIKIA

ROLL NO. : 10520102

REGISTRATION NO. : S1520767

YEAR : 2018

CERTIFICATE

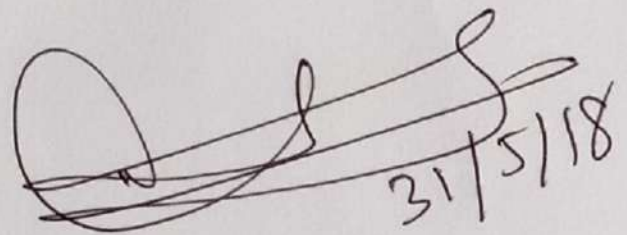
Dr. Nripan kr. Boruah, M.SC, PhD(GU).

Associate Professor

Dept. of Chemistry

D.R.College, Golaghat.

This is to certify that the project entitled "Arsenic removal from aqueous solution using powdered activated carbon" submitted by Miss Bipasha Saikia a student of 6th semester bearing Roll No. 10520102, Registration No. S1520767 of D.R.College centre, Golaghat has been completed under my supervision at D.R.College, Golaghat. The project report is the result of his/her own investigation and he/she has fulfilled all the requirements prescribed under the project regulation of Dibrugarh University syllabus of 6th semester.



31/5/18

(Dr. N K Boruah)

Date : 31-05-2018

Place : Golaghat

**PROJECT REPORT
ON**

**“ARSENIC REMOVAL FROM AQUEOUS
SOLUTION USING POWDERED
ACTIVATED CARBON”**



**Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT**

**UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)**

Submitted By :

KOUSTOB BORAH

ROLL NO. : 10520039

REGISTRATION NO. : S1520807

YEAR : 2018

CERTIFICATE

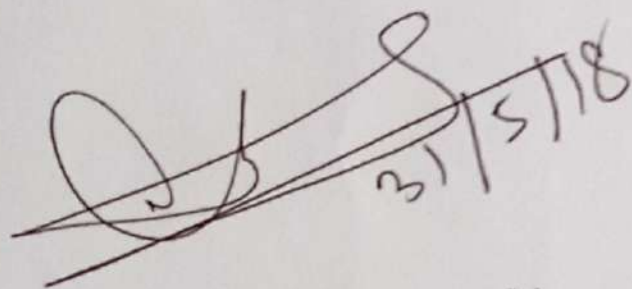
Dr. Nripan kr. Boruah, M.SC, PhD(GU).

Associate Professor

Dept. of Chemistry

D.R.College, Golaghat.

This is to certify that the project entitled "Arsenic removal from aqueous solution using powdered activated carbon" submitted by Mr Koustob Borah a student of 6th semester bearing Roll No. 10520039, Registration No. S1520807 of D.R.College centre, Golaghat has been completed under my supervision at D.R.College, Golaghat. The project report is the result of his/her own investigation and he/she has fulfilled all the requirements prescribed under the project regulation of Dibrugarh University syllabus of 6th semester.



(Dr. N K Boruah)

Date : 31-05-2018

Place : Golaghat

**PROJECT REPORT
ON**

**“ARSENIC REMOVAL FROM AQUEOUS
SOLUTION USING POWDERED
ACTIVATED CARBON”**



**Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT**

**UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)**

Submitted By :

PRACHURJYA SAIKIA

ROLL NO. : 10520066

REGISTRATION NO. : S1520854

YEAR : 2018

CERTIFICATE

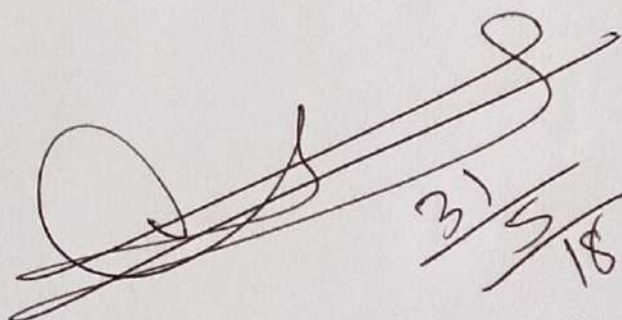
Dr. Nripan kr. Boruah, M.SC, PhD(GU).

Associate Professor

Dept. of Chemistry

D.R.College, Golaghat.

This is to certify that the project entitled "**Arsenic removal from aqueous solution using powdered activated carbon**" submitted by **Mr. Prachurjya Saikia** a student of 6th semester bearing **Roll No. 10520066, Registration No. S1520854** of D.R.College centre, Golaghat has been completed under my supervision at D.R.College, Golaghat. The project report is the result of his/her own investigation and he/she has fulfilled all the requirements prescribed under the project regulation of Dibrugarh University syllabus of 6th semester.

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke, followed by the date '31/5/18' written in a similar style.

(Dr. N K Boruah)

Date : 31-05-2018

Place : Golaghat

**PROJECT REPORT
ON**

**“ARSENIC REMOVAL FROM AQUEOUS
SOLUTION USING POWDERED
ACTIVATED CARBON”**



**Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT**

**UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)**

Submitted By :

PROTIMA GOGOI

ROLL NO. : 10520128

REGISTRATION NO. : S1520865

YEAR : 2018

CERTIFICATE

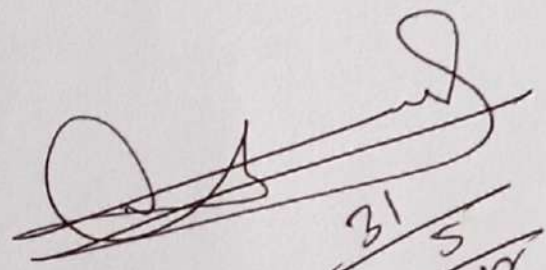
Dr. Nripan kr. Boruah, M.SC, PhD(GU).

Associate Professor

Dept. of Chemistry

D.R.College, Golaghat.

This is to certify that the project entitled "Arsenic removal from aqueous solution using powdered activated carbon" submitted by Miss Protima Gogoi a student of 6th semester bearing Roll No. 10520128, Registration No. S1520865 of D.R.College centre, Golaghat has been completed under my supervision at D.R.College, Golaghat. The project report is the result of his/her own investigation and he/she has fulfilled all the requirements prescribed under the project regulation of Dibrugarh University syllabus of 6th semester.



31
5
18

(Dr. N K Boruah)

Date : 31-05-2018

Place : Golaghat

**PROJECT REPORT
ON**

**“ARSENIC REMOVAL FROM AQUEOUS
SOLUTION USING POWDERED
ACTIVATED CARBON”**



**Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT**

**UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)**

Submitted By :

ANINDITA SAIKIA

ROLL NO. : 10520094

REGISTRATION NO. : S1520740

YEAR : 2018

CERTIFICATE

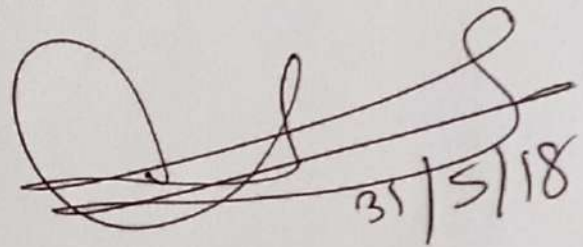
Dr. Nripan kr. Boruah, M.SC, PhD(GU).

Associate Professor

Dept. of Chemistry

D.R.College, Golaghat.

This is to certify that the project entitled "**Arsenic removal from aqueous solution using powdered activated carbon**" submitted by **Miss Anindita Saikia** a student of 6th semester bearing **Roll No. 10520094, Registration No. S1520740** of D.R.College centre, Golaghat has been completed under my supervision at D.R.College, Golaghat. The project report is the result of his/her own investigation and he/she has fulfilled all the requirements prescribed under the project regulation of Dibrugarh University syllabus of 6th semester.



31/5/18

(Dr. N K Boruah)

Date : 31-05-2018

Place : Golaghat

**PROJECT REPORT
ON**

**“ARSENIC REMOVAL FROM AQUEOUS
SOLUTION USING POWDERED
ACTIVATED CARBON”**



**Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT**

**UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)**

Submitted By :

PROSTUTI PARASHOR

ROLL NO. : 10520127

REGISTRATION NO. : S1520864

YEAR : 2018

CERTIFICATE

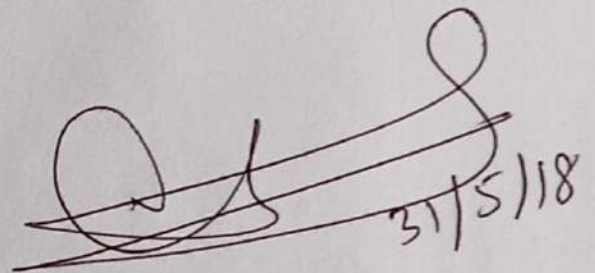
Dr. Nripan kr. Boruah, M.SC, PhD(GU).

Associate Professor

Dept. of Chemistry

D.R.College, Golaghat.

This is to certify that the project entitled "**Arsenic removal from aqueous solution using powdered activated carbon**" submitted by Miss Prostuti Parashor a student of 6th semester bearing Roll No. 10520127, Registration No. S1520864 of D.R.College centre, Golaghat has been completed under my supervision at D.R.College, Golaghat. The project report is the result of his/her own investigation and he/she has fulfilled all the requirements prescribed under the project regulation of Dibrugarh University syllabus of 6th semester.



31/5/18

(Dr. N K Boruah)

Date : 31-05-2018

Place : Golaghat

PROJECT REPORT
ON

**“Isolation and Characterization of Cellulose
Fibers from Nahar Seed Buckles”**



Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT

UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)

Submitted By :

MISS ANKIPRIYA BARUAH

ROLL NO. : 10520097

REGISTRATION NO. : S1520742

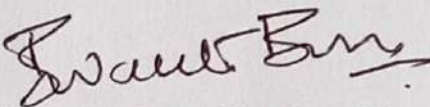
YEAR : 2018

CERTIFICATE

This is to certify that the project entitled "Isolation and characterization of cellulose fibers from nahar seed buckles" submitted by, a student of 6th semester Miss Ankipriya Baruah bearing Roll: 105,NO: 20097 of D.R. College centre (Centre Code:105 under DU), Golaghat has been completed under my supervision at D.R. College, Golaghat. The project report is the result of his/ her own investigations and he/ she has fulfilled all the requirements prescribed under the project regulations of Dibrugarh University syllabus of 6th semester.

Date: 31/05/2018

Place: Golaghat


(Mr. Bedanta Kr. Borah)

PROJECT REPORT
ON

**“Isolation and Characterization of Cellulose
Fibers from Nahar Seed Buckles”**



Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT

UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)

Submitted By :

SRI SUBHASISH SAIKIA

ROLL NO. : 10520084

REGISTRATION NO. : S1520899

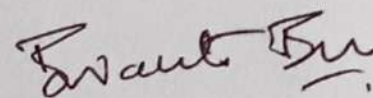
YEAR : 2018

CERTIFICATE

This is to certify that the project entitled **“Isolation and characterization of cellulose fibers from nahar seed buckles”** submitted by Sri Subhasish Saikia, a student of 6th semester bearing Roll: 105, No: 20084 of D.R. College centre (Centre Code:105 under DU), Golaghat has been completed under my supervision at D.R. College, Golaghat. The project report is the result of his/ her own investigations and he/ she has fulfilled all the requirements prescribed under the project regulations of Dibrugarh University syllabus of 6th semester.

Date: 31/05/2018

Place: Golaghat


(Mr. Bedanta Kr. Borah)

PROJECT REPORT
ON

**“Isolation and Characterization of Cellulose
Fibers from Nahar Seed Buckles”**



Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT

UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)

Submitted By :

SRI BHASKAR JYOTI BORA

ROLL NO. : 10520014

REGISTRATION NO. : S1520760

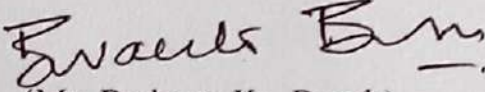
YEAR : 2018

CERTIFICATE

This is to certify that the project entitled "Isolation and characterization of cellulose fibers from nahar seed buckles" submitted by Sri Bhaskar Jyoti Bora, a student of 6th semester bearing Roll: 105, NO....of D.R. College centre (Centre Code:105 under DU), Golaghat has been completed under my supervision at D.R. College, Golaghat. The project report is the result of his/ her own investigations and he/ she has fulfilled all the requirements prescribed under the project regulations of Dibrugarh University syllabus of 6th semester.

Date: 31/05/2018

Place: Golaghat


(Mr. Bedanta Kr. Borah)

**PROJECT REPORT
ON**

**“Isolation and Characterization of Cellulose
Fibers from Nahar Seed Buckles”**



**Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT**

**UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)**

Submitted By :

SRI SUDIPTA CHAKROBORTY

ROLL NO. : 10520085

REGISTRATION NO. : S1520901

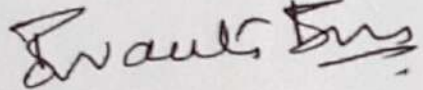
YEAR : 2018

CERTIFICATE

This is to certify that the project entitled "Isolation and characterization of cellulose fibers from nahar seed buckles" submitted by Sri Sudipta Chakroborty, a student of 6th semester bearing Roll: 105, NO: 20085 of D.R. College centre (Centre Code:105 under DU), Golaghat has been completed under my supervision at D.R. College, Golaghat. The project report is the result of his/ her own investigations and he/ she has fulfilled all the requirements prescribed under the project regulations of Dibrugarh University syllabus of 6th semester.

Date: 31/05/2018

Place: Golaghat


(Mr. Bedanta Kr. Borah)

PROJECT REPORT
ON

**“Isolation and Characterization of Cellulose
Fibers from Nahar Seed Buckles”**



Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT

UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)

Submitted By :

SRI BEDANTA MADHAV GOGOI

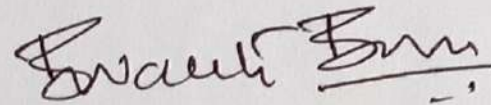
ROLL NO. : 10520011

REGISTRATION NO. : S1520756

YEAR : 2018

CERTIFICATE

This is to certify that the project entitled "Isolation and characterization of cellulose fibers from nahar seed buckles" submitted by Sri Bedanta Madhav Gogoi, a student of 6th semester bearing Roll: 105, NO: 20011 of D.R. College centre (Centre Code:105 under DU), Golaghat has been completed under my supervision at D.R. College, Golaghat. The project report is the result of his/ her own investigations and he/ she has fulfilled all the requirements prescribed under the project regulations of Dibrugarh University syllabus of 6th semester.



(Mr. Bedanta Kr. Borah)

Date: 31/05/2018

Place: Golaghat

**PROJECT REPORT
ON**

**“Isolation and Characterization of Cellulose
Fibers from Nahar Seed Buckles”**



**Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT**

**UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)**

Submitted By :

SRI DAVID BORA

ROLL NO. : 10520022

REGISTRATION NO. : S1520775

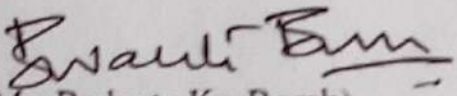
YEAR : 2018

CERTIFICATE

This is to certify that the project entitled "Isolation and characterization of cellulose fibers from nahar seed buckles" submitted by Sri David Bora, a student of 6th semester bearing Roll: 105, NO: 20022 of D.R. College centre (Centre Code:105 under DU), Golaghat has been completed under my supervision at D.R. College, Golaghat. The project report is the result of his/ her own investigations and he/ she has fulfilled all the requirements prescribed under the project regulations of Dibrugarh University syllabus of 6th semester.

Date: 31/05/2018

Place: Golaghat


(Mr. Bedanta Kr. Borah)

Phytoremediation: A Process for Arsenic Removal from Aqueous Solution



This Project Work has been submitted to the Department of Chemistry, D. R. College, Golaghat, Assam for the partial fulfillment of the Award of Bachelors Degree of Science under Dibrugarh University.

[As per syllabus of 6th Semester (**Major**), Dibrugarh University]

Submitted by:

Debasish Handique

6th Semester (Chemistry Major)

Roll No. : 10520024

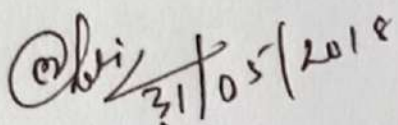
Registration No. : S1520779

CERTIFICATE

This is to certify that the Project Work entitled "**Phytoremediation: A Process for Arsenic Removal from Aqueous Solution**" submitted by Debasish Handique, a student of B.Sc. (Major Chemistry), D.R. College under DU has been completed under my supervision. This work is the result of his own investigation and to any other institution of University for a degree or diploma.

Date: 31/05/2018

Yours Faithfully,


(D.R. Mridul Chetia)

Assistant Professor, Chemistry

D.R. College, Golaghat- 785621 (Assam)

Phytoremediation: A Process for Arsenic Removal from Aqueous Solution



This Project Work has been submitted to the Department of Chemistry, D. R. College, Golaghat, Assam for the partial fulfillment of the Award of Bachelors Degree of Science under Dibrugarh University.

[As per syllabus of 6th Semester (**Major**), Dibrugarh University]

Submitted by:

Srimanta Gogoi

6th Semester (Chemistry Major)

Roll No. : 10520081

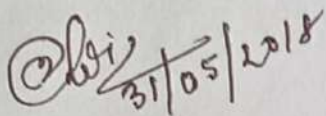
Registration No. : S1520897

CERTIFICATE

This is to certify that the Project Work entitled "**Phytoremediation: A Process for Arsenic Removal from Aqueous Solution**" submitted by SrimantaGogoi, a student of B.Sc. (Major Chemistry), D.R. College under DU has been completed under my supervision. This work is the result of his own investigation and to any other institution of University for a degree or diploma.

Date: 31/05/2018

Yours Faithfully,



Handwritten signature of D.R. Mridul Chetia, dated 31/05/2018.

D.R. MridulChetia

Assistant Professor, Chemistry

D.R. College, Golaghat- 785621 (Assam)

Phytoremediation: A Process for Arsenic Removal from Aqueous Solution



This Project Work has been submitted to the Department of Chemistry, D. R. College, Golaghat, Assam for the partial fulfillment of the Award of Bachelors Degree of Science under Dibrugarh University.

[As per syllabus of 6th Semester (**Major**), Dibrugarh University]

Submitted by:

Pahari Phukan

6th Semester (Chemistry Major)

Roll No. : 10520120

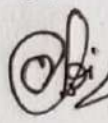
Registration No. : S1520843

CERTIFICATE

This is to certify that the Project Work entitled "**Phytoremediation: A Process for Arsenic Removal from Aqueous Solution**" submitted by PahariPhukan, a student of B.Sc. (Major Chemistry), D.R. College under DU has been completed under my supervision. This work is the result of his own investigation and to any other institution of University for a degree or diploma.

Date: 31/05/2018

Yours Faithfully,



31/05/2018

(D.R. MridulChetia)

Assistant Professor, Chemistry

D.R. College, Golaghat- 785621 (Assam)

Phytoremediation: A Process for Arsenic Removal from Aqueous Solution



This Project Work has been submitted to the Department of Chemistry, D. R. College, Golaghat, Assam for the partial fulfillment of the Award of Bachelors Degree of Science under Dibrugarh University.

[As per syllabus of 6th Semester (**Major**), Dibrugarh University]

Submitted by:

Tapanjit Borah

6th Semester (Chemistry Major)

Roll No. : 10520088

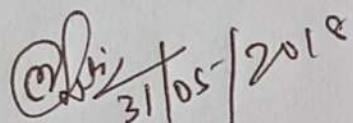
Registration No. : S1520908

CERTIFICATE

This is to certify that the Project Work entitled "**Phytoremediation: A Process for Arsenic Removal from Aqueous Solution**" submitted by Tapanjit Borah, a student of B.Sc. (Major Chemistry), D.R. College under DU has been completed under my supervision. This work is the result of his own investigation and to any other institution of University for a degree or diploma.

Date: 31/05/2018

Yours Faithfully,


(D.R. Mridul Chetia)

Assistant Professor, Chemistry

D.R. College, Golaghat- 785621 (Assam)

**PROJECT REPORT
ON**

2018

**“Crystallinity and Thermal Behaviour of
Nanocellulose obtained from Deoiled Nahar Seed
Powder”**



**Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT**

**UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)**

Submitted By :

SRI HARI CHHETRY

ROLL NO. : 10520031

REGISTRATION NO. : S1520791

YEAR : 2018



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CERTIFICATE

This is to certify that the project entitled "Crystallinity and thermal behavior of nanocellulose obtained from deoiled nahar seed powder" submitted by Sri Hari Chhetry, a student of 6th semester bearing Roll:105, No 20031 of D.R. College centre (Centre Code: 105 under DU), Golaghat has been completed under my supervision at D.R. College, Golaghat. The project report is the result of his/ her own investigations and he/ she has fulfilled all the requirements prescribed under the project regulations of Dibrugarh University syllabus of 6th semester.

Date: 31/05/2018

Place: Golaghat

(Dr. Suvangshu Dutta)

**PROJECT REPORT
ON**

**“Crystallinity and Thermal Behaviour of
Nanocellulose obtained from Deoiled Nahar Seed
Powder”**



**Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT**

**UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)**

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CERTIFICATE

This is to certify that the project entitled "Crystallinity and thermal behavior of nanocellulose obtained from deoiled nahar seed powder" submitted by Sri Rupkul Islam, a student of 6th semester bearing Roll:105, No 20075 of D.R. College centre (Centre Code: 105 under DU), Golaghat has been completed under my supervision at D.R. College, Golaghat. The project report is the result of his/her own investigations and he/ she has fulfilled all the requirements prescribed under the project regulations of Dibrugarh University syllabus of 6th semester.

Date: 31/05/2018

Place: Golaghat

(Dr. Suvangshu Dutta)

PROJECT REPORT
ON

**“Crystallinity and Thermal Behaviour of
Nanocellulose obtained from Deoiled Nahar Seed
Powder”**



Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT

UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)

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CERTIFICATE

This is to certify that the project entitled **“Crystallinity and thermal behavior of nanocellulose obtained from deoiled nahar seed powder”** submitted by Sri Nilutpal Singha, a student of 6th semester bearing Roll:105, No 20056 of D.R. College centre (Centre Code: 105 under DU), Golaghat has been completed under my supervision at D.R. College, Golaghat. The project report is the result of his/her own investigations and he/ she has fulfilled all the requirements prescribed under the project regulations of Dibrugarh University syllabus of 6th semester.

(Dr. Suvangshu Dutta)

Date: 31/05/2018

Place: Golaghat

**PROJECT REPORT
ON**

**“Crystallinity and Thermal Behaviour of
Nanocellulose obtained from Deoiled Nahar Seed
Powder”**



**Submitted to the
DEPARTMENT OF CHEMISTRY,
D.R. COLLEGE GOLAGHAT**

**UNDER DIBRUGARH UNIVERSITY, DIBRUGARH
(As per Syllabus of 6th Semester, Major DU)**

Submitted By :

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CERTIFICATE

This is to certify that the project entitled "Crystallinity and thermal behavior of nanocellulose obtained from deoiled nahar seed powder" submitted by Sri Jayanta Rajbonshi, a student of 6th semester bearing Roll:105, No 20034 of D.R. College centre (Centre Code: 105 under DU), Golaghat has been completed under my supervision at D.R. College, Golaghat. The project report is the result of his/her own investigations and he/ she has fulfilled all the requirements prescribed under the project regulations of Dibrugarh University syllabus of 6th semester.

Date: 31/05/2018

Place: Golaghat


(Dr. Suvangshu Dutta)