



Estd. 1964

MORIGAON COLLEGE
DEPARTMENT OF CHEMISTRY
Morigaon 782105, Assam (INDIA)

Telephone :91 (0) 3678 240268 (Office)

: 91435147228(mobile)

Fax: 91 (0) 3678 243027

Email. mcchem2021@gmail.com

Dr.Arunima sarma,HoD

Date: 04/08/2022

To

The Principal
Morigaon College
Morigaon

Sub: Permission for Conducting Workshop on 23 – 08 - 2022

Respected Sir,

It is immense pleasure to me that the department of chemistry want to organize a departmental workshop on “**Nanotechnology and Protection of Intellectual Property: Emerging Trends**” speech will be delivered by Dr. Rituraj Das, Department of Chemistry, Tezpur University, Assam.

The Schedule of the programme as Follows:

- Opening remarks and about the workshop: By Dr. Swagata Baruah at 11 am.
- Chair person: Dr. Arunima Sarma, HoD Chemistry.
- Deliberation of Speech by Speaker: Dr. Rituraj Das.
- Interaction session.
- Vote of Thanks: Miss Mary Devi

Allowed
Arunima
04/08/22
Principal
MORIGAON COLLEGE

Arunima Sarma

Seal and Signature

Head
Department of Chemistry
Morigaon College



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Morigaon 782105, Assam (INDIA)

Telephone :91 (0) 3678 240268 (Office)

: 918474881661(mobile)

Fax: 91 (0) 3678 243027

Email. mcchem2021@gmail.com

Dr.Arunima sarma,HoD

Date: 04/08/2022

To

Dr.Rituraj Das

Department of Chemistry, Tezpur University, Assam.

Sub: Invitation as Resource Person on dated 23 – 08 – 2022

Dear Dr. Das,

It is our immense pleasure to invite you as resource person on one day workshop on, "*Nanotechnology and Protection of Intellectual Property: Emerging Trends*", on dated 23–08–2022. Hope you will accept our invitation and encourage our students as well as other Participants.

Thanking you.

Sincerely

Arunima Sarma

Head
Department of Chemistry
Morigaon College



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Email. mcchem2021@gmail.com

Dr.Arunima sarma,HoD

Date: 04/08/2022

Notice

It is for your all concern that, the department of Chemistry, Morigaon College, is going to conduct a departmental workshop on dated 23 – 08 – 2022 at Hall H1 at 11am onwards. On this regards all chemistry students are requested to present at this workshop. The topic is “*Nanotechnology and Protection of Intellectual Property: Emerging Trends*” and will be delivered by Dr. Rituraj Das, Department of Chemistry, Tezpur University.

Arunima Sarma

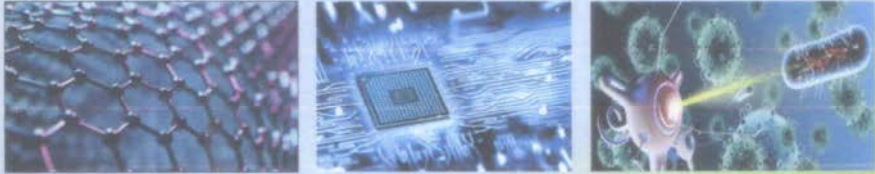
Seal and Signature

Head
Department of Chemistry
Morigaon College

Workshop Report

A ONE DAY WORKSHOP ON

Nanotechnology and Protection of Intellectual Property: Emerging Trends



Venue
H1 Hall
Science Block, Morigaon College
Time: 10 AM
Date: 23/08/2022

Speaker
Dr. Rituraj Das
Research Scholar
Department of Chemical Sciences
Tezpur University, Assam

Organized by - Department of Chemistry, Morigaon College, Morigaon, Assam

Topic: “*Nanotechnology and Protection of Intellectual Property: Emerging Trends*”

Resource Person: Dr. Rituraj Das,

Department of Chemistry,
Tezpur University, Assam



Date: 23-08-2022

Venue: H1 Hall,
Department of Chemistry,
Morigaon College

A brief report on discussion and Interactions:

In the series of various academic activities departmental one day workshop was presented by the department of Chemistry, Morigaon College on 23rd August 2022 at 11am to 2 pm.

The presentation of topic entitled "*Nanotechnology and Protection of Intellectual Property: Emerging Trends*" by **Dr. Rituraj Das, Department of Tezpur University.**

The faculties present from Morigaon College, Jagiroad College and Students from Science stream were actively present for the workshop. The workshop was conducted in the seminar hall and it commenced sharp at 11am. The faculty from the department of chemistry welcomed everyone and gave a brief introduction about the subject.

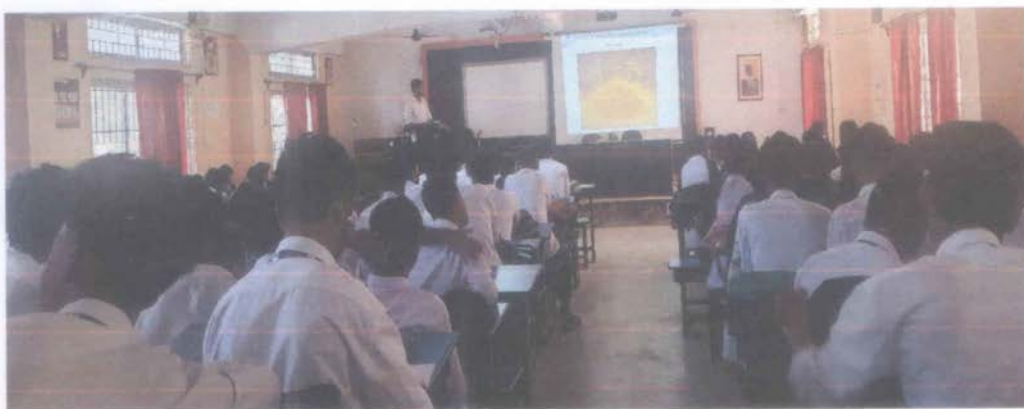
The speaker discussed that worldwide protection of Intellectual Property in nanotechnology has steadily been increasing year-on-year accounting 3.3 million patent applications filed in 2018 in which China and U.S. are dominating. The other main contributors are Japan, Germany Republic of Korea, France and U.K. Asia has emerged as the single region to file more than half of total filings for the first time thus shifting global IP landscape from Europe to Asia. Another notable finding is that there is a significant growth in trademark registration in many of the leading economies. Top five technology fields with high international patenting activity are computer technology, medical technology, digital communication, electrical machinery and pharmaceuticals where computer technology is dominating. More than 90% of the total patents are granted on materials, devices and processes developed as basic building blocks of nanotechnology at laboratory level which sound as more downstream innovations in the short-term. Amid the upward trends in nanotechnology patenting, newly emerging obstacles pose risks to innovation. A key finding of the workshop is that the increasing trend of patent litigation almost follows the same path of patent grants indicating a positive correlation. A global prominence of middle-income and low-income countries in patent filing is yet to emerge which foreshadows an IP divide.

Total 40 were present for the workshop and among them 32 nos. students. There attendance sheet is attached in a separate sheet attached with the file.



Head
Department of Chemistry
Morigaon College

Few Photographs of the Workshop



Head
Department of Chemistry
Morigaon College

Signature of the Participants

One Day Workshop on "Nano Technology and Protection of Intellectual Property;
Emerging Trends."

Date:- 23-08-2022

Resource Person: Dr. Rituraj Das
Guest Faculty: Girinjali
University

Topic: "Nano Technology and Protection of Intellectual Property;
Emerging Trends."

Programme Schedule:

- Opening Remarks, About the Seminar.
: Dr. Musshid Inam
- Chair Person:- Dr. Arunima Sarma, HOD
- Speech delivered by Dr. Rituraj Das.
- Interaction Session;
- Vote of Thanks:- Dr. Swagata Borah.

Participants:-

S/N.	Name	Signature	Designation
1.	Lika K. Pruthi		
2.	Ranjit Kr. Kalita	RK	Coordinator, 190C
3.	Abhishek Sinha		201909
4.	Babul Talukder	Bt	Physics
5.	Deepak Kalita		Dept. of History
6.	Jugal Ch. Das		Dept. of Hist.
7.	Mrs. Kabita Sarma		
8.	Mr. Babul Talukder		
9.	Dr. Chinmitta Goswami	Chinm	Asst. Prof. Jagannath College

Head
Department of Chemistry
Mongaon College

23-08-2022

S/N	Name	Signature	Designation
10.	Balbul Das	B Das	Asst. Prof. / Comm. Dept
11.	Anjan Bora	Anjan Bora	"
12.	Arzaful Hoque	Arzaful Hoque	"
13.	Bikram Das	B. Das	"
14.	Rekanta Hazarika	Rekanta Hazarika	"
15.	Jyoti Bordoloi	Jyoti Bordoloi	"
16.	Nilakant Yogi	NY	"
17.	Nilakshi Devi	N	"
18.	Parth Pratim Nath	PP Nath	"
19.	Prima Chanda	Prima Chanda	"
20.	Pratibha Medhi	P Medhi	"
21.	Pritya Das	Pritya Das	"
22.	Sowin Das	Sowin Das	"
23.	Sarwan Saha	S.S.	"
24.	Sumana Devi	Sumana	"
25.	Supriya Ghosh	S Ghosh	"
26.	Santika Hazarika	S Hazarika	"
27.	Nabindoo Konwar	Nabindoo Konwar	3rd Sem
28.	Niloy Bordoloi	N Bordoloi	"
29.	Jogati Medhi	J Medhi	"
30.	Hitaraj Jyoti Laha	H	"
31.	Aman Singh	Aman Singh	"
32.	Bhaskar Kalita	B	"
33.	Dikumoni Nath	Dikumoni Nath	"
34.	Mamashi Konwar	M Konwar	"
35.	Pranjal Mondal	P. Mondal	"
36.	Sushil Sarkar	S Sarkar	"
37.	Olimpica Debra	Olimpica Debra	"
38.	Binjan Biswas	B	"
39.	Sabyasit Das	S	"
40.	Kankam Debbarma	K	"

Head
Department of Chemistry
Mongaon College