

Department of Physics

Morigaon College

Morigaon: Assam: 782105

Email: physics.mc1964@gmail.com

Website: <https://physics.morigaoncollege.online/>

Date: 18 Jan 2021

To,
The Principal,
Morigaon College,
Morigaon, Assam,

Subject: Asking permission to organize a national Level workshop on "Firefly spectroscopy"

Respected sir,

With due respect and humble submission, I want to state to you that, we are going to organize a national workshop on "Firefly spectroscopy" on 08/02/2021. Through this letter, we request to grant the permission for the aforementioned assignment.

With regards,



Mrs. K. Sarmah

Head of the Department,

Department of Physics,

Morigaon College

H. O. D. PHYSICS
MORIGAON COLLEGE
Morigaon - 782105

Permitted
18/01/21

Principal
MORIGAON COLLEGE

Department of Physics

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Date: 30 Jan 2021

To

Dr. Anurup Gohain Barua
Professor,
Department of Physics,
Gauhati University, Guwahati, Assam

Greetings from Morigaon College.

Sir, we are pleased to inform you that, we are going to organize a National level workshop on "Firefly Spectroscopy" on **8th Feb. 2021**.

You are invited as a guest speaker for the same.

Date: **8th Feb. 2021**

Time: 10 AM

Venue : Seminar Hall, Morigaon College

For
With Regards,

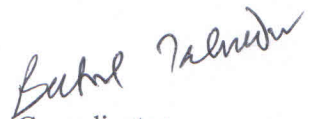


HOD

Department of Physics.

Morigaon College.

MORIGAON COLLEGE
Morigaon, 782105



Co-ordinator

Sate Level Workshop

Firefly Spectroscopy



Department of Physics

Morigaon College

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Notice

Date: 6 Feb. 2021

It is hereby informed to all the students of Science stream of Morigaon College that, National Workshop is going to organize on 8th Feb., 2021 on "Firefly spectroscopy" to be conducted by Department of Physics, Morigaon College. Dr. Anurup Borgohain, Professor, Dept. of Physics, Gauhati University will deliver his expert views on the same.

Therefore, interested students are requested to be present at the workshop.



With Thanks,

For

K. Sarmah

Mrs. K. Sarmah
Head of the Department
Dept. Of Physics
Morigaon College.

H O D. PHYSICS
MORIGAON COLLEGE
Morigaon : 782105



Report on National Workshop

Topic: "Firefly spectroscopy"

Date: 08/02/2021

Resource person: Dr. A. Gohain barua
Professor,
Gauhati University

Introduction:

"Firefly luminescence" being originates biologically, is usually termed as "*bioluminescence*", which has given rise to several curiosity-driven as well as application-oriented studies. The emission spectrum of the Indian species of firefly *Luciola praeusta* Kiesenwetter 1874 (Coleoptera: Lampyridae: Luciolinae) has been shown to consist of two broad green- and red-coloured sectors, with a narrow yellow one in between. Surprisingly, in recent studies, laser light emission in the Firefly spectra has noted by the researchers. It mostly works on the principle of random laser.

About the workshop

A State level Physics workshop on the topic Firefly Spectroscopy is organized on 8th Feb. 2021 at AKG Hall, Morigaon College, by the Dept. of Physics, Morigaon College. The workshop is inaugurated by the HOD Ni Ali Ahmed, Dept. of Physics, Morigaon College by lighting the earthed lamp.

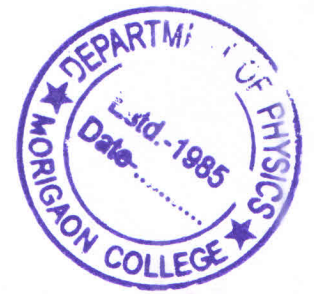
Professor Anurup Gohain Boruah, Dept. Of Physics, Gauhati University is the resource person of the workshop. Professor Boruah has delivered very interesting as well as informative lecture cum demonstration about the mechanism of luminescence of Firefly, wavelength of firefly light, why firefly glow only at night and many interesting facts.

Students, mainly of Science faculty's are immensely benefited from today's workshop. They actively participate in the workshop.

The vote of thanks is offered by Mrs. Kabita Sarmah, Dept. Of Physics, Morigaon College.

Participants

Total Number of Participants: 41



Feedback received from the participants

The participants conveyed a satisfactory feedback report to the organizing committee. Most the participants found it helpful, which may help them for enhancement of knowledge in the said field. The national workshop also enabled to motivate the participants toward higher education and also further research in spectroscopy.



AKS

ছাত্রী-ছাত্রের তালিকা

- ১) Tutumoni Devi — 3rd Semester — 9864334379
- ২) Sagarika Medhi — 3rd semester — 8638224296
- ৩) Heena Mahin Sharanam — 2nd Semester — 7576897470
৪. Mushid ullah — 3rd Semester — 8193809051
- (5) Habibur Islam — 3rd Semester — 6002600523
- 6) Sanjiv Sarkar — 3rd Semester — 9706875995
- 7) Himangshu Nath — 3rd Semester — 9101273153
- 8) Nilay Kr. Boredoi — 3rd Semester — 9864032329
- 9) Sharat Baruah — 3rd Semester — 7896100899
- 10) Simanta Bora — 3rd Semester — 6002663293
- 11) Diku moni Chakia — 3rd Semester — 6099747301
- 12) Naba Jyoti Bora — 3rd Semester — 9101397993
- 13) Nayan Jyoti Deka — 5th semester — 9101228907
- 14) Jugal Deka — 5th sem. — 8134080340
- 15) Chiranjeev Deka — 5th sem — 9365616649
16. Mukut Kr. Bora — 5th sem — 9957186609
17. Rup Jyoti Nath — 5th sem — 7086738194
18. Bismita Devi — 5th sem — 8638477767
19. Jyoti Nath — 5th sem — 9864775995
20. Jmana Yesmin — B.Sc 1st Sem — 6000166710
30. Kapil Madhu. — B.Sc 1st Sem — 9613659967.
31. Chandan Nath — B.Sc 1st sem — 8399806138
32. Ankur Deka — B.Sc 1st Sem — 9864880948.
33. Deep Jyoti Nath — B.Sc 1st Sem — 9101348350
34. Gopin Kumar Borah — B.Sc. 1st Sem — 8752941746
35. Satyajit Bondoloi — B.Sc. 1st sem — 7099430232
36. Lakhya Jyoti Bora — B.Sc 1st sem — 7086633682
37. Injam ul Hoque — B.Sc. 1st sem — 6002701842
38. Bikram Bhuyan — B.Sc. 1st Sem — 6901759008
39. Arunav Das — B.Sc 1st Sem — 7099748236
40. Wazid Akhtar — B.Sc. 1st Sem. — 6001490415
41. Chitransandra Bora — B.Sc. 1st Sem. — 9132254419

Feedback -

1. The workshop is very interesting. We gain lot of knowledge from it.
Sagarika Medhi

2. The state level workshop is very much informative. The resource person Anurup Godain Baruah Sir explain the thing very clearly.
Yulunmai Devi

3. It was interesting & informative.
Musabid Ullah

4. Professor Godain Baruah Sir explain firefly spectroscopy in a easy way. It was an interesting workshop.
— Jugal Debra

5. Today's workshop on Firefly Spectroscopy is very informative one. We the Students community gains many interesting facts about Firefly and its luminescence.
— Chandan Nath

6. The resource person very clearly explains about the mechanism of firefly luminescence and why firefly glow only at night. We the student community is very much benefited attending this workshop.
— Deep Jyoti Nath