

# Annual Report (Last 5 Years)

## Annual Report

### PG Department of Chemistry

#### DEPARTMENTAL ACTIVITIES DURING SESSION 2018-2019

During the session 2018-19 our department has organized a number of activities for teachers and students. Following is a brief report on those activities.

- Fresher induction of B. Sc. Sem. I on 10<sup>nd</sup> August 2018.
- On 11<sup>th</sup> of August 2018 we organized an **Induction meeting** of fresher of Semester 1 in which the students were introduced with their teachers. We also distributed the syllabus among the teachers. We also distributed the annual schedule of academic & co-curricular activities to be conducted by our department.
- Organized a teacher parent meeting on 12<sup>th</sup> October 2018 in which we discussed with parents about the performance of their ward in the class test and their progress in the class.
- On 05<sup>th</sup> of December 2018 we organized a student seminar on the topic **“Applications of Organic Synthesis”** in which students of B. Sc. Sem. III and Part III participated with their ideas on the topic.
- A field project of River water analysis is conducted by dept. of chemistry at Kopali village and Domuhani on 12<sup>th</sup> Jan. 2019 by our part III chemistry Hons students; supervise by Dr. Khurshid A. Khan and Dr. H. K. Shaw.
- Organise Departmental Class Test of B. Sc. Sem. I, II and Part III students on 16, 17 and 18 Jan 2019.

- Department of Chemistry organized a seminar on National Science day on 28<sup>th</sup> February 2019. Topic of the seminar **“Contribution of Indian scientist in modern India”**
- A career counseling is organized on 10.04.2019 by guest faculty Dr. Nazrul Islam, Assistant Professor Jamshedpur Workers’ College, Jamshedpur.
- Consultancy project from **BLOSSOMS AROMATICS** was completed by the department from 17<sup>th</sup> May to 21<sup>st</sup> May 2019.

**Project:** Extraction of Essential Oil from mint plant and eucalyptus leaves.

- **Success Report of Students appeared in B.Sc. Part-III Examination.**

Year	Appeared	Passed	1 <sup>st</sup> Class	2 <sup>nd</sup> Class	Pass Percentage
2018	55	45	33	12	81.82

- **University Topper:** Parmeshwar Pradhan

# Annual Report

## PG Department of Chemistry

### DEPARTMENTAL ACTIVITIES DURING SESSION 2019-2020

During the session 2019-20 our department has organized a number of activities for teachers and students. Following is a brief report on those activities.

- Fresher induction of B. Sc. Sem. I on 10<sup>th</sup> August 2019.
- On 11<sup>th</sup> of August 2019 we organized an **Induction meeting** of fresher of Semester 1 in which the students were introduced with their teachers. We also distributed the syllabus among the teachers. We also distributed the annual schedule of academic & co-curricular activities to be conducted by our department.
- Organized a teacher parent meeting on 12<sup>th</sup> October 2019 in which we discussed with parents about the performance of their ward in the class test and their progress in the class.
- On 05<sup>th</sup> of December 2019 we organized a student seminar on the topic **“Applications of Organic Synthesis”** in which students of B. Sc. Sem. III and Part III participated with their ideas on the topic.
- A field project of River water analysis is conducted by dept. of chemistry at Kopali village and Domuhani on 12<sup>th</sup> Jan. 2020 by our part III chemistry Hons students; supervise by Dr. Khurshid A. Khan and Dr. H. K. Shaw.
- Organise Departmental Class Test of B. Sc. Sem I, II and Part III students on 16, 17 and 18 Jan 2020.
- Department of Chemistry organized a seminar on National Science day on 28<sup>th</sup> February 2020. Topic of the seminar **“Contribution of Indian scientist in modern India”**

- **Success Report of Students appeared in B.Sc. Part-III Examination.**

Year	Appeared	Passed	1 <sup>st</sup> Class	2 <sup>nd</sup> Class	Pass Percentage
2019	63	49	39	10	77.78

# Annual Report

## **PG Department of Chemistry**

### **DEPARTMENTAL ACTIVITIES DURING SESSION 2020-2021**

During the session 2020 - 21 our department has organized a number of activities for teachers and students. Following is a brief report on those activities.

- Online Fresher induction of UG Semester 1 on 25<sup>th</sup> of August 2020.
- On 12<sup>th</sup> of September 2020 we organized an online **Induction meeting** of fresher of UG Semester 1 in which the students were introduced with their teachers. We also Send the syllabus in respective whatsapp group among the teachers and students. We also send the annual schedule of academic & co-curricular activities to be conducted by our department.
- Organise Departmental online Class Test of UG Sem. 2, 4 and Part 6 students on 21<sup>st</sup>, 22<sup>nd</sup> and 23<sup>rd</sup> September 2020.
- On 11<sup>th</sup> of October 2020 we organized a online seminar of UG Students.
- Fresher online induction meeting of PG Semester 1 on 22<sup>th</sup> October 2020.
- Organized an online teacher parent meeting of UG students on 9<sup>th</sup> November 2020 in which we discussed with parents about the performance of their ward in the class test and their progress in the class.
- On 12<sup>th</sup> November 2020 we organized an online seminar of PG Students.
- Organized an online seminar of UG students on 10<sup>th</sup> December 2020.
- Organized an online seminar of PG students on 9<sup>th</sup> of January 2021.
- Organise online Departmental Class Test of UG Sem. 1, 3 and Part 5 students on 11<sup>th</sup>, 12<sup>th</sup> and 13<sup>th</sup> Jan 2021.
- Professor Jamshedpur Co-operative College, Jamshedpur.

- 1 Dr. Khurshid Anwar Khan** – A chapter has been written in the book Advances in Science Education (Published on 25<sup>th</sup> June 2021), Lincoln Research and Publishing Limited, Australia in collaboration with Lincoln University College, Malaysia (ISBN: **978-0-6488798-2-4**)  
**Chapter** – Skill - based, problem - based, Research - based learning.
- Dr. Khurshid Anwar Khan invited as a resource person in the online Seminar organized by Jamshedpur Co-operative College, Jsr.

Topic – **The Chemistry of COVID-19**

Date: 1<sup>st</sup> Nov. 2021.

- (i) CALEM under (PMMMNMTT) AMU. From 28 Jan 2021 to 3<sup>rd</sup> Feb 2021.  
 (ii) Data analysis in STATCRAFT on 22<sup>nd</sup> and 23<sup>rd</sup> July 2020.

**2 Dr. Hare Kishore Shaw-**

CALEM under (PMMMNMTT) AMU. From 28 Jan 2021 to 3<sup>rd</sup> Feb 2021.

**3 Prof. Jay Prakash Mishra-**

CALEM under (PMMMNMTT) AMU. From 28 Jan 2021 to 3<sup>rd</sup> Feb 2021.

- 4 Dr. Arnab Kanti Giri** – A chapter has been written in the book Advances in Science Education (Published on 25<sup>th</sup> June 2021), Lincoln Research and Publishing Limited, Australia in collaboration with Lincoln University College, Malaysia (ISBN: **978-0-6488798-2-4**)  
**Chapter** – Science and Legal Knowledge with Special Reference to IPR.

- (i) CALEM under (PMMMNMTT) AMU. From 28 Jan 2021 to 3<sup>rd</sup> Feb 2021.  
 (ii) CSIR – summer research training programme 2020.  
 (iii) FIMTA organize by CSIR 4 to 6 August 2020.

● **Success Report of Students appeared in UG Semester 6 Examination.**

Year	Appeared	Passed	1 <sup>st</sup> Class	2 <sup>nd</sup> Class	Pass Percentage
2020	82	71	55	16	86.59

# Annual Report

## **PG Department of Chemistry**

### **DEPARTMENTAL ACTIVITIES DURING SESSION 2021-2022**

During the session 2021 - 22 our department has organized a number of activities for teachers and students. Following is a brief report on those activities.

- Fresher induction of UG Semester 1 on 28<sup>th</sup> of August 2021.
- On 22<sup>th</sup> of September 2021 we organized an **Induction meeting** of fresher of UG Semester 1 in which the students were introduced with their teachers. We also distributed the syllabus among the teachers. We also distributed the annual schedule of academic & co-curricular activities to be conducted by our department.
- Our department is organized a carrier counseling programme for UG students on 25<sup>th</sup> September 2021.
- Organise Departmental Class Test of UG Sem. 2, 4 and Part 6 students on 18<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup> September 2021.
- On 18<sup>th</sup> of October 2021 we organized a seminar of UG Students.
- Fresher induction meeting of PG Semester 1 on 25<sup>th</sup> October 2021.
- Organized a teacher parent meeting of UG and PG students on 5<sup>th</sup> November 2021 in which we discussed with parents about the performance of their ward in the class test and their progress in the class.
- On 13<sup>th</sup> November 2021 we organized a seminar of PG Students.
- Organized a seminar of UG students on 13<sup>th</sup> December 2021.
- A field project of River water analysis is conducted by dept. of chemistry at rural area of Kopali and Kharkai River on 11<sup>th</sup> of January 2022 by our UG students; supervise by Dr. Khurshid A. Khan and Dr. H. K. Shaw.

- Organized a seminar of PG students on 18<sup>th</sup> of January 2022.
- Organise Departmental Class Test of UG Sem. 1, 3 and Part 5 students on 19<sup>th</sup>, 20<sup>th</sup> and 21<sup>st</sup> Jan 2022.
- Department of Chemistry celebrate National Science day on 28<sup>th</sup> February 2022.
- Department is organized a guest lecture programme for UG and PG students on 21<sup>st</sup> of March 2022 by guest faculty Dr. Rajesh Kumar, Assistant Professor Jamshedpur Co-operative College, Jamshedpur.

**1. Dr. Khurshid Anwar Khan** – A chapter has been written in the book Advances in Science Education (Published on 25<sup>th</sup> June 2021), Lincoln Research and Publishing Limited, Australia in collaboration with Lincoln University College, Malaysia (ISBN: **978-0-6488798-2-4**)

**Chapter** – Skill - based, problem - based, Research - based learning.

(i) CALEM under (PMMMNMTT) AMU. From 28 Jan 2021 to 3<sup>rd</sup> Feb 2021.

(ii) Data analysis in R using STATCRAFT on 22<sup>nd</sup> and 23<sup>rd</sup> July 2020.

**2. Dr. Arnab Kanti Giri** – A chapter has been written in the book Advances in Science Education (Published on 25<sup>th</sup> June 2021), Lincoln Research and Publishing Limited, Australia in collaboration with Lincoln University College, Malaysia (ISBN: **978-0-6488798-2-4**)

**Chapter** – Science and Legal Knowledge with Special Reference to IPR.

**3. Dr. Hare Kishore Shaw-**

CALEM under (PMMMNMTT) AMU. From 28 Jan 2021 to 3<sup>rd</sup> Feb 2021.

**4. Prof. Jay Prakash Mishra-**

CALEM under (PMMMNMTT) AMU. From 28 Jan 2021 to 3<sup>rd</sup> Feb 2021.



- **Success Report of Students appeared in UG Semester 6 Examination.**

Year	Appeared	Passed	1 <sup>st</sup> Class	2 <sup>nd</sup> Class	Pass Percentage
2021	131	127	122	05	96.95

# Annual Report

## **PG Department of Chemistry**

### **DEPARTMENTAL ACTIVITIES DURING SESSION 2022-2023**

During the session 2022 - 23 our department has organized a number of activities for teachers and students. Following is a brief report on those activities.

- Fresher induction of UG Semester 1 on 17<sup>th</sup> of August 2022.
- On 12<sup>th</sup> of September 2022 we organized an **Induction meeting** of fresher of UG Semester 1 in which the students were introduced with their teachers. We also distributed the syllabus among the teachers. We also distributed the annual schedule of academic & co-curricular activities to be conducted by our department.
- Our department is organized a carrier counseling programme for UG students on 24<sup>th</sup> September 2022.
- Fresher induction meeting of PG Semester 1 on 20<sup>th</sup> October 2022.
- Organise Departmental Class Test of UG Sem. 2, 4 and Part 6 students on 21<sup>st</sup>, 22<sup>nd</sup> and 23<sup>rd</sup> October 2022.
- On 15<sup>th</sup> of October 2022 we organized a seminar of UG Students.
- Organise Departmental Class Test of PG Sem. 1 and 3 students on 18<sup>th</sup> October 2022.
- Organized a teacher parent meeting of UG and PG students on 12<sup>th</sup> November 2022 in which we discussed with parents about the performance of their ward in the class test and their progress in the class.
- On 26<sup>th</sup> November 2022 we organized a seminar of PG Students.
- Organized a seminar of UG students on 17<sup>th</sup> December 2022.

- A field project of River water analysis is conducted by dept. of chemistry at Domuhani and Subarnarekha River on 9<sup>th</sup> Jan.2023 by our UG students; supervise by Dr. Khurshid A. Khan and Dr. H. K. Shaw.
- Organized a seminar of PG students on 12<sup>th</sup> of January 2023.
- Organise Departmental Class Test of UG Sem. 1, 3 and Part 5 students on 16<sup>th</sup>, 17<sup>th</sup> and 18<sup>th</sup> January 2023.
- Department of Chemistry celebrate National Science day on 28<sup>th</sup> February 2023.
- Organise Departmental Class Test of PG Sem. 2 and 4 students on 22<sup>nd</sup> February 2023.
- Department is organized a guest lecture programme for UG and PG students on 4<sup>th</sup> of March 2023 by guest faculty Dr. Rajesh Kumar, Assistant Professor Jamshedpur Co-operative College, Jamshedpur.

#### 5. **Dr. Khurshid Anwar Khan:**

1. A lecture was delivered to UG chemistry students in L. B. S. M. College, Jamshedpur on 15<sup>th</sup> of February 2023 under the scheme of Faculty exchange programme. **Topic: - Wave Particle duality theory.**
2. Participation in the seminar conducted by faculty of commerce on Agricultural and Rural Development and state in overall economic growth on 4<sup>th</sup> and 5<sup>th</sup> January 2023.
3. Participation in Academia meet conducted by CSIR, NML Jamshedpur on 28<sup>th</sup> of April 2023.

#### 2. **Dr. Hare Kishore Shaw-**

1. A lecture was delivered to UG chemistry students in L. B. S. M. College, Jamshedpur on 22<sup>nd</sup> of February 2023 under the scheme of Faculty exchange programme. **Topic: - Hybridisation.**
2. Participation in the seminar conducted by faculty of commerce on Agricultural and Rural Development and state in overall economic growth on 4<sup>th</sup> and 5<sup>th</sup> January 2023.

### 3. Dr. Jay Prakash Mishra-

1. A lecture was delivered to UG chemistry students in L. B. S. M. College, Jamshedpur on 16<sup>th</sup> of March 2023 under the scheme of Faculty exchange programme. **Topic: - Molecular orbital Theory.**
2. Participation in the seminar conducted by faculty of commerce on Agricultural and Rural Development and state in overall economic growth on 4<sup>th</sup> and 5<sup>th</sup> January 2023.

## UG and PG Result

### UG Result Report:

Year	Appeared	Passed	1 <sup>st</sup> Class With Dist.	1 <sup>st</sup> Class	2 <sup>nd</sup> Class	Pass Percentage
2022	94	88	22	62	04	93.62

### PG Result Report:

Year	Appeared	Passed	1 <sup>st</sup> Class	2 <sup>nd</sup> Class	Pass Percentage
2022	24	20	20	NIL	83.33