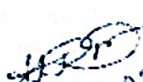


Aliah University

Department of Chemistry

Academic Audit


Academic Year: 2018-2019

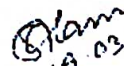

14-03-2023


Md. Anwarul Alam
14-03-2023


Md. Masudul Islam
14-03-2023

Hannu
14/03/2023


14-3-2023


14-03-23


14-3-2023


14-3-23



HEAD
Department of Chemistry
Aliah University, Kolkata

The Academic Audit process of Aliah University focuses on four key functional areas:

1. Academic Management
2. Academic Practices
3. Infrastructure and supportive facilities
4. Initiatives and Supplementation

Academic Management

Information about HOD/ HOD (Officiating)

- 1] Name: **Md. Akhtarul Alam**
- 2] Designation: **Associate Professor**
- 3] Qualification: **M.Sc, Ph. D**
- 4] Teaching experience (in years): **10 years**
- 5] Industry experience (if any in years): **Nil**
- 6] Number of teaching hours per week: **14 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**
- 7] Number of Research Projects/Publications/ Study material developed during The academic year (provide list in separate sheet): **01/01**
- Project: Title: Design and Syntheses of Host for Trapping Carcinogenic Ions and Molecular Guest (Project No: 376(Sanc.)/ST/P/S&T /9G-16/2013 Date: 21.07.2014. DST (Govt. W.B.)

Publications

1. Ismail Sk, Meheub Ali Khan, Soumen Ghosh, Dola Roy, Subharthi Pal, Sumit Homechadhuri, Md. Akhtarul Alam "A reversible biocompatible silver nanoconstructs for selective sensing of mercury ions combined with antimicrobial activity studies" Nano-Structures & Nano-Objects, 2019, 17, 185–193.

- 8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized): **00**

- 9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
HOD Chemistry (Memo No: AU/REG/0279/16, dated 20-03-2018)	Head of the Department	All activities related to head of the Department.
Departmental research Committee	Chairperson	All activities related to Ph.D including conducting admission test and interview.
Departmental Purchase Committee (Memo No: AU/REG/0819/18; dated 10-08-2018)	Chairperson	Purchasing of various laboratory equipments
Committee for	Jt-Convener	Purchasing of various

Internal Academic Audit (2018-19)

Central Instrument Facility (Memo No: AU/REG/0861/18; dated 30-08-2018)		laboratory equipments
Committee for Admission to Doctoral Programme (Memo No: AU/REG/0506/19; dated 29-05-2019)	Chairperson	Admission to the Doctoral programme

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
2	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

Md. Akhtarul Alam

Information about Teaching Members (to be filled by individual Teaching member)

Md. Akhtarul Alam

1] Name: **Md. Akhtarul Alam**

2] Designation: **Associate Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **10 years**

5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **14 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/ Study material developed during **01/01**

The academic year (provide list in separate sheet):

Project: Title: Design and Syntheses of Host for Trapping Carcinogenic Ions and Molecular Guest (Project No: 376(Sanc.)/ST/P/S&T /9G-16/2013 Date: 21.07.2014. DST (Govt. W.B.)

Publications

1. Ismail Sk, Meheub Ali Khan, Soumen Ghosh, Dola Roy, Subharthi Pal, Sumit Homechadhuri, Md. Akhtarul Alam "A reversible biocompatible silver nanoconstructs for

selective sensing of mercury ions combined with antimicrobial activity studies" Nano-Structures & Nano-Objects, 2019, 17, 185–193.

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized):

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
HOD Chemistry (Memo No: AU/REG/0279/16, dated 20-03-2018)	Head of the Department	All activities related to head of the Department.
Departmental research Committee	Chairperson	All activities related to Ph.D including conducting admission test and interview.
Departmental Purchase Committee (Memo No: AU/REG/0819/18; dated 10-08-2018)	Chairperson	Purchasing of various laboratory equipments
Committee for Central Instrument Facility (Memo No: AU/REG/0861/18; dated 30-08-2018)	Jt-Convener	Purchasing of various laboratory equipments
Committee for Admission to Doctoral Programme (Memo No: AU/REG/0506/19; dated 29-05-2019)	Chairperson	Admission to the Doctoral programme

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

Md. Akhtarul Alam

Harun Al Rasid Gazi

- 1] Name: **Harun Al Rasid Gazi**
- 2] Designation: **ASSISTANT PROFESSOR**
- 3] Qualification: **M.Sc, Ph. D**
- 4] Teaching experience (in years): **9 years**
- 5] Industry experience (if any in years): **Nil**
- 6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, M.Sc Project Supervision)**
- 7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet): **00/00**
- 8] Contribution to enrich quality of teaching-learning
during the academic year:
(Seminars/Workshops/lectures/field visits organized): **00**
- 9] Contribution to the growth and development of the
University during the academic year:

Committee	Position held	Work done/ Activity
Central Library Purchase Committee	Member	Activity related to purchasing library relating material
Departmental research Committee	Member	All activities related to Ph.D including conducting admission test and interview.
Departmental Syllabus Committee	Member	Preparation and updating of syllabi offered by Department
Departmental Lab equipments	Member	Finalisation of technical specification and assisting tender process.
Space allocation committee	Member	Survey and manage proper utilisation of space of the University for academic and other administrative purpose.
Board of studies, Department	Member	Look after the academic activity of the Department
Departmental Examination Committee	Member	All activities related to Examination
Technical Procurement	Member	Finalisation of technical


committee, Freeze Dryer		specification and assisting tender process
Technical Procurement committee, ITC	Member	Finalisation of technical specification and assisting tender process
Procurement committee, Circular Dichroic polarimeter in the Department of Chemistry	Member	Finalisation of technical specification and assisting tender process
Procurement committee, Dynamic light Scattering in the Department of Chemistry	Member	Finalisation of technical specification and assisting tender process
Procurement committee, Rheometer in the Department of Chemistry	Chairman	Finalisation of technical specification and assisting tender process
Procurement committee, XPS instrument in the University	Member	Finalisation of technical specification and assisting tender process

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
2	



Dr. Md. Maidul Islam

- 1] Name: **Dr. Md. Maidul Islam**
- 2] Designation: **ASSISTANT PROFESSOR**
- 3] Qualification: **M.Sc, M.Tech, Ph. D**
- 4] Teaching experience (in years): **9 years**
- 5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, M.Sc Project Supervision)**

7] Number of Research Projects/Publications/ **01/02**
Study material developed during
The academic year (provide list in separate sheet):

1. **Mohammad M., Islam, M. M., (2019)** Affinity of Rose Bengal towards DNA: spectroscopic and molecular modeling approach. **March 15th - 16th, 2019, CRMBS -2019** International Conference on Chemical Research in Materials and Biological Sciences. Department of Chemistry, Assam University, Silchar, Assam-788011, India
2. **Mohammad M., Masum, A. A., Islam, M. M., (2019)** Structural effect on the DNA binding activities of some Rhodamine derivatives. **March 15th - 16th, 2019, CRMBS -2019** International Conference on Chemical Research in Materials and Biological Sciences. Department of Chemistry, Assam University, Silchar, Assam-788011, India

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized): **00**

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Sports Committee	Coordinator	All sports related Works
Committee for Environmental Study	Cocordinator	Conduct the teaching of EVS
Placement Committee	Member	All placement related work
Biological Sciences Purchase Committee	Member	Activity related to purchasing Biological Sciences relating material
Departmental research Committee	Member	All activities related to Ph.D including conducting admission test and interview.
Departmental Syllabus Committee	Member	Preparation and updating of syllabi offered by Department
Departmental Lab equipments	Member	Finalisation of technical specification and assisting tender process.
Board of studies, Department	Member	Look after the academic activity of the Department
Departmental Examination Committee	Member	All activities related to Examination
Technical Procurement committee, Freeze Dryer	Member	Finalisation of technical specification and assisting tender process
Technical Procurement committee, ITC	Member	Finalisation of technical specification and assisting tender process
Procurement committee,	Member	Finalisation of technical

Circular Dichroic polarimeter in the Department of Chemistry		specification and assisting tender process
Procurement committee, Dynamic light Scattering in the Department of Chemistry	Member	Finalisation of technical specification and assisting tender process
Procurement committee, Rheometer in the Department of Chemistry	Chairman	Finalisation of technical specification and assisting tender process
Procurement committee, XPS instrument in the University	Member	Finalisation of technical specification and assisting tender process

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
2	Section In Charge of Medicinal Chemistry

Md. Maideul Islam

Md. Hedayetullah MIR

1] Name: **Md. Hedayetullah MIR**

2] Designation: **Assistant Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **8 years**

5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet):

00/10

Publications:

1. B. Dutta, R. Purkait, S. Bhunia, S. Khan, C. Sinha and M. H. Mir* "Selective detection of trinitrophenol by a Cd(II)-based coordination compound" RSC Adv. 2019, 9, 38718–38723.
2. M. H. Mir*, B. Dutta, S. Islam and S. Khan "Solid-state photodimerization via [2+2] cycloaddition in metal complexes and CPs" J. Indian Chem. Soc. 2019, 96, 1297-1301. (Invited Article, Special Issue, ICS Convention)
3. Akhtaruzzaman, P. Das, S. Khan, S. Maity, S. Naaz, S. Islam, P. Ghosh, P. P. Ray* and M. H. Mir* "Two zinc(II)-based coordination polymers with flexible dicarboxylate and pyridine mixed ligands: effect of $\pi\cdots\pi$ interactions on electrical activity" New J. Chem. 2019, 43, 16071-16077.
4. B. Dutta, C. Sinha and M. H. Mir* "Sunlight-driven photosensitive effect of 1D coordination polymer and release of an elusive cyclobutane derivative" Chem. Commun. 2019, 55, 11049–11051.
5. B. Dutta, K. Pal, K. Jana, C. Sinha and M. H. Mir* "Synthesis and Antimicrobial Activity of a Zn(II)-Based 2D Pillar Bilayer Metal-Organic Framework" ChemistrySelect 2019, 4, 9947–9951.
6. Akhtaruzzaman, S. Khan, B. Dutta, S. M. Yakout, S. S. Ibrahim and M. H. Mir* "Synthesis and characterization of a new 4-Styrylpyridine based square planar copper(II) complex: Exploration of phenoxazinone synthase mimicking activity" J. Coord. Chem. 2019, 72, 2362–2375.
7. B. Dutta, C. Sinha, and M. H. Mir* "Supramolecular assembly of Cu(II)-based 1D coordination polymer: Synthesis, characterization and correlation of band gap" J. Mol. Struct. 2019, 1197, 430-435.
8. B. Dutta, A. Dey, C. Sinha, P. P. Ray* and M. H. Mir* "Tuning of para- position of pyridyl ligands impacts the electrical properties of a series of Cd(II) ladder polymers" Dalton Trans. 2019, 48, 11259–11267.
9. S. Islam, J. Datta, S. Maity, B. Dutta, S. Khan, P. Ghosh, P. P. Ray* and M. H. Mir* "Photodimerization of 1D Ladder Polymer Through Single-Crystal to Single-Crystal Transformation has Effect on Electrical Conductivity" Cryst. Growth Des. 2019, 19, 4057-4062 (Invited Article for "Virtual Special Issue" on "Structure Property relationship in Crystalline Solids").
10. B. Dutta, A. Dey, C. Sinha, P. P. Ray* and M. H. Mir* "Sunlight Induced Topochemical Photodimerization and Switching of the Conductivity of a Metal-Organic Compound" Inorg. Chem. 2019, 58, 5419–5422.

8] Contribution to enrich quality of teaching-learning
during the academic year:
(Seminars/Workshops/lectures/field visits organized):

00

9] Contribution to the growth and development of the
University during the academic year:

Committee	Position held	Work done/ Activity
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Routine Committee	Member	All activities related to finalize the common and departmental routine.
Departmental research Committee	Member	All activities related to Ph.D including conducting admission test and interview.

10] Other responsibilities (Please specify, add rows if required):

1	
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
2	

Md. Hedayetullah Mir

Seikh Mafiz Alam

1] Name: Seikh Mafiz Alam

2] Designation: Assistant Professor

3] Qualification: M.Sc, Ph. D

4] Teaching experience (in years): 08 years

5] Industry experience (if any in years): Nil

6] Number of teaching hours per week: 14 hrs per week (including lectures, Tutorials, Practical, Project Supervision)

7] Number of Research Projects/Publications/ Study material developed during The academic year (provide list in separate sheet): 00/00

A. Project Title and award no:

B: publication details

C: FDP/RC details

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized): 00

9] Contribution to the growth and development of the

University during the academic year:

Committee	Position held	Work done/ Activity
Member, Departmental Examination Committee	Member	Participated to conduct examination in the Department
Water Treatment Committee	Member	Actively participated to accomplish the water drinking water related issues in the Department
Expert of PhD thesis evaluation	Member	Acted as Expert in the PhD thesis evaluation process of the Doctoral student
Purchase Committee Member	Convenor	Participated in the procurements of various items in the Department

10] Other responsibilities (Please specify, add rows if required):

1	
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
2	

Saira Matia Khan

Nasima Yasmin

1] Name: **Nasima Yasmin**

2] Designation: **Assistant Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **9 years**

5] Industry experience (if any in years)

6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet):

01 Publication

Publication:

1. "Polymer supported Triazine based Palladium complex catalyzed double carbonylation reaction of Halo aryl compounds for the synthesis of α -ketoamides". *Journal of Organometallic Chemistry*, 2019, 882, 18-25.

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized):

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Board of Studies, Department of Chemistry	Member	All activities related to drafting of syllabus.
Committee for procurement of Low temp. bath instrument, AU.	Chairperson	All activities related to purchasing of Low temp. bath instrument.
Committee to explore solutions to sort out Hunger Strike of student. Memo No: AU/REG/0379/19	Member	Interacted with the students to explore solutions to sort out Hunger Strike.
AUAT Committee, 2019	Member	Prepared brochure and attended all the meetings.

10] Other responsibilities (Please specify, add rows if required):

1	Judge in Litmania V1.1,2K19: An Inter-Department Literary and Cultural Fest.
2	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	External Examiner for Engineering Chemistry Practical Examination, Amity
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	University, Kolkata
2	

Nasima Yasmin

Dr. Safiul Alam

- 1] Name: **Dr. Safiul Alam**
 2] Designation: **Assistant Professor**
 3] Qualification: **M. Sc., Ph. D.**
 4] Teaching experience (in years): **7 years**
 5] Industry experience (if any in years): **3 years**
 6] Number of teaching hours per week: **16 hours per week (including lectures, Tutorials, Practical, Project Supervision)**

- 7] Number of Research Projects/Publications/
 Study material developed during
 The academic year (provide list in separate sheet): **00/01**

Publications:

1. Novel derivatives of 1,2,3-triazole, cannabinoid-1 receptor ligands modulated gastrointestinal motility in mice." *Agata Szymaszekiewicz, Marta Zielinska, Kun Li, Mani Ramanathan, Safiul Alam, Duen-Ren Hou, Jakub Fichna and Martin Storr, Naunyn-Schmiedeberg's Arch Pharmacol 2018, 391, 435-444.*

- 8] Contribution to enrich quality of teaching-learning
 during the academic year:
 (Seminars/Workshops/lectures/field visits organized): **00**

- 9] Contribution to the growth and development of the
 University during the academic year:

Committee	Position held	Work done/ Activity
Committee for the Procurement of furniture for A.P. Department, Calcutta Madrasah, Aliah University (Memo No:	Convener	Conduction meeting for the inspection of available furniture and procurement of furniture for A.P. Department building, Kolkata

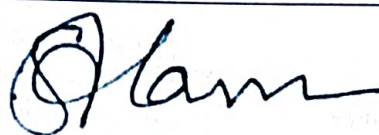
AU/REG/0040/17, date: 16.01.2017)		
Hostel Management Committee, Aliah University (Memo No: AU/REG/1085/19, date: 04.12.2019)	Vice- Chairman	Preparation of hostel admission list, Allotment of students to Boys' and Girls' hostels, Purchase of electrical goods through e- tender, e-NIT for hostel canteen service, Drafting of Rules & Regulations for hostels.
Departmental Purchase Committee (Memo No: AU/REG/0819/18, date: 10.08.2018)	Member	Attended meeting and performed all activities related purchase of different items for Chemistry dept.
Departmental research Committee	Member	All activities related to Ph.D. including conducting admission test and interview.
Committee for Procurement of FTNMR Spectrometer (Memo No: AU/REG/0278/17, date: 30.03.2017)	Chairperson	Conducting meeting for the preparing Technical Specification for FTNMR instrument, Evaluation of e-Tender documents, Techno-commercial meeting, etc.
Board of Studies, Department of Chemistry (Memo No: AU/REG/1189/17, date: 13.11.2017)	Member	Preparing UG and PG Syllabi for Organic Chemistry courses
Committee for procurement of HPLC instrument, Aliah University (Memo No: AU/REG/1099/18, date: 10.12.2018)	Member	Attended meeting for the preparing Technical Specification for the instrument, Evaluation of e-Tender documents, etc.
Committee for procurement of HRMS instrument, (Memo No: AU/REG/1070/18, date: 30.11.2018)	Member	Attended meeting for the preparing Technical Specification for the instrument, Evaluation of e-Tender documents, etc.

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as Assistant Professor
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
2	


Mustafa Jahir Raihan1] Name: **Mustafa Jahir Raihan**2] Designation: **Assistant Professor**3] Qualification: **M.Sc, Ph. D**4] Teaching experience (in years): **02 years**5] Industry experience (if any in years): **Nil**6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet): **00/00**8] Contribution to enrich quality of teaching-learning
during the academic year:
(Seminars/Workshops/lectures/field visits organized): **00**9] Contribution to the growth and development of the
University during the academic year:

Committee	Position held	Work done/ Activity
Expert Committee for the procurement of HRMS instrument ((Memo No: AU/REG/1070/18;	Chairman	Meetings with experts and also with vendors, documentations for tendering

dated 30-11-2018)		
Expert Committee for the procurement of HPLC instrument ((Memo No: AU/REG/1099/18; dated 10-12-2018)	Chairman	Meetings with experts and also with vendors, documentations for tendering
Maintenance committee ((Memo No: AU/REG/0150/19; dated 30-01-2019)	Convener	meetings, site inspection and different related activities
Departmental purchase committee ((Memo No: AU/REG/0819/18; dated 10-08-2018)	Member	Purchase related works
Departmental research Committee	Member	Activities related to Ph.D including conducting admission test and interview.
Expert Committee for the procurement of Circular Dichroic Polarimeter ((Memo No: AU/REG/1003/18; dated 31-10-2018)	Member	Meetings with experts and also with vendors
Expert Committee for the procurement of Freeze Dryer. ((Memo No: AU/REG/1000/18; dated 31-10-2018)	Member	Meetings with experts and also with vendors

10] Other responsibilities (Please specify, add rows if required):

1	
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	



Academic Practices

Academic Practices (for the academic year: 2018-19)

- 1] Total number of teaching-days in the academic year: 182
- 2] Total number of permanent teaching staff: 08
- 3] Total number of permanent teaching staff with PhD: 08
- 4] Number of programmes offered (please specify): 03 (Three years B.Sc, Five Years Integrated M. Sc and Ph.D Program)
- 5] Number of sanctioned intake of students and 60 and 59

Number of actual admissions:

Programme	Sanctioned intake	Actual admissions
Five Years Integrated M. Sc	60	60
Ph.D Program		

- 6] How many teaching members have attended Orientation Programme/ Refresher Course/ FDP/ Workshop/ Training Programme/ Research Methodology Course/ Capacity Building Programme etc.: 02
- 7] Number of Orientation Programme/ Refresher Course/ FDP/ Workshop/ Training Programme/ Research Methodology Course/ Capacity Building Programme etc. organised by the department: 01
- 8] Number of Training Programme/ Consultancy offered By the department: 00
- 9] Number of academic collaborations made by the department: 00
- 10] Innovative practices (please specify):

Teaching-Learning-Evaluation process (for the academic year: 2018-19)

- 1] Does teaching members participate in course designing? No
- 2] Does the department have a structured Board of Studies or similar academic body to design/ expand/ modify course content? Yes
- 3] Does the programme follow:
- a. CBCS structure No
- b. Elective-based structure Yes

c. Any other, please specify

4] Does the department follow Academic Calendar implemented By the University? **Yes**

5] Use of Teaching-Learning tools/ platforms (Please specify)

- a. OHP **No**
 b. LCD **Yes**
 c. Interactive Boards **Yes**
 d. LMS **No**
 e. Any other

6] Use of ICT in Teaching-Learning-Evaluation

- a. e-books **Yes**
 b. e-journals **Yes**
 c. research database/ repositories **No**
 d. IT enabled classroom **No**
 e. Online assignment **No**
 f. Online assessment **No**
 g. Online feedback **No**

7] Weekly class hour per course (average): **04**

8] Whether remedial/ tutorial classes included in class routine? **Yes**

9] Does the programme offered has scope of Internship/ Project/ Field work/ Seminar presentation/ Industrial training? **Yes**

10] Does the department follow progressive evaluation of students? **Yes**

11] Number of students appeared and passed in the academic year:

Programme	Appeared	Passed out
Five Years Integrated M. Sc	20	20
Ph.D Program		

Research output (for the academic year: 2018-19)

1] Does the department offer MPhil/ PhD/ Post-Doctoral Programme: **Yes**
 (Please specify):

2] Number of students/ scholars registered/ enrolled in MPhil/ PhD/ Post-Doctoral Programme (If the answer to Q1 is yes): **03**

3] Number of publications in refereed & peer-reviewed journals: **00 (1 SA)**

4] Number of book/ edited-volume/ book-chapter published with ISBN:	01 (SA)	
5] Number of patents registered:		Nil
6] Number of revenue generating events (Consultancy, Training Programme, MDP/ EDP etc.):		Nil
7] Number of Seminar/ Conference/ Workshop/ FDP etc organised at State/ National/ International level:		Nil
8] Number of sponsored research projects:		
a. Completed		01
b. Ongoing		02
9] Number of collaborative research projects:		
a. Completed		00
b. Ongoing		00
10] Any innovative research initiative adopted and implemented (please specify):	N.A	

Infrastructure & facilities (departmental level)

1] Number of classrooms:		08
2] Number of ICT-enabled classrooms:		01
3] Number of laboratories:		06
4] Availability of licensed software/ databases:		Yes
5] Number of tutorial rooms:		01
6] Number of seminar halls:		00
7] Number of rooms for the teaching members:		03
8] Number of computer/ printer/ scanner available:		
a. In laboratory		05
b. In teachers' enclosure	09	
c. For Research scholars	16	
d. For Administrative purpose	02	
9] Whether Internet facility available in classrooms/ laboratory / teachers' enclosure?		Yes
10] Whether reprographic facility available?		Yes
11] Number of washroom facility (for male):		02
12] Number of washroom facility (for female):		02

13] Presence of appropriate signage: **Yes**

14] Barrier free environment ensured? **Yes**

Initiatives and Supplementation for Students:

1] Whether Mentorship (Teacher-driven) for students is in place? **Yes**

2] Do the students participate in extra-academic activities and pursue Co-curricular activities? **Yes**

3] Does the department arrange Industry-visit/ Industrial lecture/ Field-trips/ Excursions/ Archeological trips/ Exhibitions etc. for students? **Yes**

4] Does the department arrange seminars/ workshops/ skill-development programmes etc. for students? **Yes**

5] Does the department arrange programmes for the students focusing Soft-skill and Personality development? **Yes**

6] Does the department have any Student Forum/ Club/ Chapter etc.? **No**

7] Does the department have a students' feedback mechanism in place? **Yes**

8] Are the students provided with Training and Placement support? **Yes**

9] Do the students receive ICT-based teaching? **Yes**

10] Can the students access digital resources offered by the University library? **Yes**

11] Please indicate the number of students those have qualified for NET/SET/GATE/GMAT/SLET/WBCS/UPSC or any other Competitive Exam (for the specific period) **01**

12] Please indicate the number of students those have progressed for higher studies (for the specific period) **01**

13] Please indicate the number of students those were offered placements by the University (for the specific period). **00**

Aliah University

Department of Chemistry

Academic Audit

Academic Year: 2019-2020

[Signature]
14.03.2023

Md. Masudul Islam
19.03.2023


Md. Anisul Alam
14.03.2023

[Signature]
14.3.23

[Signature]
17.03.23

[Signature]
14.3.2023

[Signature]
19.3.23

 HEAD
Department of Chemistry
Aliah University, Kolkata

Internal Academic Audit (2019-20)

The Academic Audit process of Aliah University focuses on four key functional areas:

1. Academic Management
2. Academic Practices
3. Infrastructure and supportive facilities
4. Initiatives and Supplementation

Academic Management

Information about HOD/ HOD (Officiating)

- 1] Name: **Md. Akhtarul Alam**
- 2] Designation: **Associate Professor**
- 3] Qualification: **M.Sc, Ph. D**
- 4] Teaching experience (in years): **11 years**
- 5] Industry experience (if any in years): **Nil**
- 6] Number of teaching hours per week: **14 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**
- 7] Number of Research Projects/Publications/ Study material developed during The academic year (provide list in separate sheet): **01/02**
- Project: Title: Design and Syntheses of Host for Trapping Carcinogenic Ions and Molecular Guest (Project No: 376(Sanc.)/ST/P/S&T /9G-16/2013 Date: 21.07.2014. DST (Govt. W.B.)

Publications:

1. Ismail Sk, Meheub Ali Khan, Anamika Haque, Soumen Ghosh,* Dola Roy, Sumit Homechadhuri,* Md. Akhtarul Alam* "Synthesis of Gold and Silver Nanoparticles Using Malva Verticillata Leaves Extract: Study of Gold Nanoparticles Catalysed Reduction of Nitro-Schiff Bases and Antibacterial Activities of Silver Nanoparticles" Current Research in Green and Sustainable Chemistry, 2020, 3, 100006.
2. Meheub Ali Khan, Soumen Ghosh*, Sachinath Bera, Anamika Hoque, Ismail Sk, Shagufi Naz Ansari, Shaikh M. Mobin,* Md. Akhtarul Alam* "Crystallographic Elucidation of Stimuli Controlled Molecular Rotation for a Reversible Sol-Gel Transformation" J. Org. Chem, 2020, 85, 4019–4025.

- 8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized): **00**

- 9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
HOD Chemistry (Memo No: AU/REG/0279/16, dated 20-03-2018)	Head of the Department	All activities related to head of the Department.
Departmental research Committee	Chairperson	All activities related to Ph.D including conducting admission test and interview.
Student Identity Card Committee ((Memo	Chairperson	All activities related to Student Identity card

Internal Academic Audit (2019-20)

No: AU/REG/0856/19; dated 30-08-2019)		including
--	--	-----------

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
2	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

Md. Akhtarul Alam

Information about Teaching Members (to be filled by individual Teaching member)

Md. Akhtarul Alam

- 1] Name: **Md. Akhtarul Alam**
- 2] Designation: **Associate Professor**
- 3] Qualification: **M.Sc, Ph. D**
- 4] Teaching experience (in years): **11 years**
- 5] Industry experience (if any in years): **Nil**
- 6] Number of teaching hours per week: **14 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/ Study material developed during

01/02

The academic year (provide list in separate sheet):

A. Project: Title: Design and Syntheses of Host for Trapping Carcinogenic Ions and Molecular Guest (Project No: 376(Sanc.)/ST/P/S&T /9G-16/2013 Date: 21.07.2014. DST (Govt. W.B.)

B. Publications:

1. Ismail Sk, Meheub Ali Khan, Anamika Haque, Soumen Ghosh,* Dola Roy, Sumit Homechuadhuri,* Md. Akhtarul Alam* "Synthesis of Gold and Silver Nanoparticles Using Malva Verticillata Leaves Extract: Study of Gold Nanoparticles Catalysed Reduction of Nitro-Schiff Bases and Antibacterial Activities of Silver Nanoparticles" Current Research in Green and Sustainable Chemistry, 2020, 3, 100006.
2. Meheub Ali Khan, Soumen Ghosh*, Sachinath Bera, Anamika Hoque, Ismail Sk, Shagufi Naz Ansari, Shaikh M. Mobin,* Md. Akhtarul Alam* "Crystallographic Elucidation of Stimuli

Controlled Molecular Rotation for a Reversible Sol-Gel Transformation” J. Org. Chem, 2020, 85, 4019–4025.

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized):

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
HOD Chemistry (Memo No: AU/REG/0279/16, dated 20-03-2018)	Head of the Department	All activities related to head of the Department.
Departmental research Committee	Chairperson	All activities related to Ph.D including conducting admission test and interview.
Student Identity Card Committee ((Memo No: AU/REG/0856/19; dated 30-08-2019)	Chairperson	All activities related to Student Identity card including

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

Md. Akhtarul Alam

Harun Al Rasid Gazi

- 1] Name: **Harun Al Rasid Gazi**
- 2] Designation: **ASSISTANT PROFESSOR**
- 3] Qualification: **M.Sc, Ph. D**
- 4] Teaching experience (in years): **10 years**

5] Industry experience (if any in years): Nil

6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, M.Sc Project Supervision)**

7] Number of Research Projects/Publications/ Study material developed during The academic year (provide list in separate sheet): 00/00

8] Contribution to enrich quality of teaching-learning during the academic year: (Seminars/Workshops/lectures/field visits organized): 00

9] Contribution to the growth and development of the University during the academic year:


Committee	Position held	Work done/ Activity
Departmental research Committee	Member	All activities related to Ph.D including conducting admission test and interview.
Departmental Syllabus Committee	Member	Preparation and updating of syllabi offered by Department
Departmental Lab equipments	Member	Finalisation of technical specification and assisting tender process.
Departmental Examination Committee	Member	All activities related to Examination
Board of studies, Department	Member	Look after the academic activity of the Department
Procurement committee for Fluorimeter	Chairman	Finalisation of technical specification and assisting tender process

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
2	



Dr. Md. Maidul Islam1] Name: **Dr. Md. Maidul Islam**2] Designation: **ASSISTANT PROFESSOR**3] Qualification: **M.Sc, M.Tech, Ph. D**4] Teaching experience (in years): **10 years**5] Industry experience (if any in years): **Nil**6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, M.Sc Project Supervision)**7] Number of Research Projects/Publications/
Study material developed during

01/01

The academic year (provide list in separate sheet):

Publications:

1. S. Khan, Z. A. ALothman, * M. Mohammad, M. S. Islam, A. Slawin, S. M. Wabaidur, M. M. Islam and M. H. Mir* "Synthesis and characterization of a hydrogen bonded metal-organic cocrystal: exploration of its DNA binding study" Polyhedron 2020, 180, 114454 (1-7).

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized):

00

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Sports Committee	Coordinator	All sports related Works
Committee for Environemtnal Study	Cocordinator	Conduct the teaching of EVS
Placement Committee	Member	All placement related work
University Ethical Committee	Member	To obey the ethics in research related work
Biological Sciences Purchase Committee	Member	Activity related to purchasing Biological Sciences relating material
Departmental research Committee	Member	All activities related to Ph.D including conducting admission test and interview.
Departmental Syllabus Committee	Member	Preparation and updating of syllabi offered by Department
Departmental Lab equipments	Member	Finalisation of technical specification and assisting

Internal Academic Audit (2019-20)

		tender process.
Board of studies, Department	Member	Look after the academic activity of the Department
Departmental Examination Committee	Member	All activities related to Examination

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
2	Section in charge of Medicinal Chemistry

Md. Hedayetullah Mir

Md. Hedayetullah Mir

1] Name: **Md. Hedayetullah Mir**

2] Designation: **Assistant Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **9 years**

5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/
Study material developed during

00/6

The academic year (provide list in separate sheet):

Publications:

1. Z. A. ALOthman,* B. Dutta, S. M. Alam, S. M. Wabaidur and M. H. Mir* "C-H... π (metal-ligand ring) interaction in a mesaconate bridged Cd(II) 1-D coordination

polymer: structural elucidation, theoretical study, and photophysical properties" J. Coord. Chem., 2020, 73, 1106.

2. S. Khan, B. Dutta, and M. H. Mir* "Impact of solid-state photochemical [2+2] cycloaddition in coordination polymers for diverse applications" Dalton Trans., 2020, 49, 9556-9563 (Invited Frontier Article).

3. F. Ahmed, J. Datta, S. Khan, B. Dutta, S. Islam, P. Ghosh, P. P. Ray* and M. H. Mir*, "Linear dicarboxylate based pyridyl appended cobalt(II) coordination polymers in search of opto-electronic properties" New J. Chem., 2020, 44, 9004.

4. S. Khan, Z. A. AlOthman,* M. Mohammad, M. S. Islam, A. Slawin, S. M. Wabaidur, M. M. Islam and M. H. Mir* "Synthesis and characterization of a hydrogen bonded metal-organic cocrystal: exploration of its DNA binding study" Polyhedron 2020, 180, 114454 (1-7).

5. B. Dutta, A. Hazra, A. Dey, C. Sinha, P. P. Ray,* P. Banerjee* and M. H. Mir* "Construction of a Succinate Bridged Cd(II)-Based 2D Coordination Polymer for Efficient Optoelectronic Device Fabrication and Explosive Sensing Application" Cryst. Growth Des. 2020, 20, 765-776.

6. B. Dutta, Akhtaruzzaman, H. Sato, T. Akitsu, A. Slawin, C. Sinha and M. H. Mir* "Two acetylenedicarboxylato-bridged 4-styrylpyridine appended 1D coordination polymers: Synthesis, structural characterization and variable temperature magnetism" J. Chem. Sci. 2020, 132, 9 (1-6).

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized): 00

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Routine Committee	Member	All activities related to finalize the common and departmental routine.
Departmental research Committee	Member	All activities related to Ph.D including conducting admission test and interview.
Departmental purchase Committee	Member	All activities related to purchase of instruments in the department.

10] Other responsibilities (Please specify, add rows if required):

1	
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

Md. Hedayetullah Mir

Seikh Mafiz Alam

1] Name: **Seikh Mafiz Alam**

2] Designation: **Assistant Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **09 years**

5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet): **00/01**

Publications:

1. Z. A. Aiothman,* B. Dutta, S. M. Alam, S. M. Wabaidur and M. H. Mir* "C-H... π (metal-ligand ring) interaction in a mesaconate bridged Cd(II) 1-D coordination polymer: structural elucidation, theoretical study, and photophysical properties" J. Coord. Chem., 2020, 73, 1106.

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized): **00**

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Departmental Examination Committee	Member	Participated to conduct examination in the Department

10] Other responsibilities (Please specify, add rows if required):

1	
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

Nasima Yasmin

1] Name: **Nasima Yasmin**

2] Designation: **Assistant Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **10 years**

5] Industry experience (if any in years):

6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet): **No of Publication: 02**

Publications:

1. "Zinc (II) incorporated porous organic polymeric material (POPs): A mild and efficient catalyst for synthesis of dicoumarols and carboxylative cyclization of propargyl alcohols and CO₂ in ambient conditions"; Sk Safikul Islam, Noor Salam, Rostam Ali Molla Sk Riyajuddin, Nasima Yasmin,* Debasis Das, Kaushik Ghosh, Sk Manirul Islam,* *Molecular Catalysis*, 2019, 477, 110541.
2. "POP-Pd(II) catalyzed easy and safe *in-situ* carbonylation towards the synthesis of α -ketoamides from secondary cyclic amines utilizing CHCl₃ as the carbon", *New Journal of Chemistry*, 2020, 44, 1979-1987.

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized):

01

1. Organized One Day National Conference on Current Challenges & Opportunities in Chemical Sciences (CCOCS-2019), 8th Aug. 2019, Dept of Chemistry, AU.

Internal Academic Audit (2019-20)

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Committee for INC & WBNC affairs Memo No: AU/REG/0808/19	Member	Attended meetings
Committee for AICTE affairs Memo No: AU/REG/0037/20	Member	Attended meetings
Maintenance Committee Memo No: AU/REG/0684/19	Member	Looking after maintenance work of the University

10] Other responsibilities (Please specify, add rows if required):

1	Acted as the Internal Examiner for the thesis of Sk. Safikul Islam (Registration No: CHM141604)
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	External Examiner for M. Sc & B. Sc (H) Chemistry Practical Examination, Amity University, Kolkata
2	

Nasima Tasmin

Dr. Safiul Alam

1] Name: **Dr. Safiul Alam**

2] Designation: **Assistant Professor**

3] Qualification: **M. Sc., Ph. D.**

4] Teaching experience (in years): **8 years**

5] Industry experience (if any in years): **3 years**

6] Number of teaching hours per week: **16 hours per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/
Study material developed during

00/01

The academic year (provide list in separate sheet):

Publications:

1. "Mild and Efficient Synthesis of Functionalized Carbazoles via a DBU-Assisted Sequence Involving Cu- and Pd-Catalyzed Coupling Reactions" Aminur Khan, Rejaul Karim, Hamid Dhimane and Safiul Alam*, ChemistrySelect 2019, 4, 6598-6605.

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized):

00

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Hostel Management Committee, Aliah University (Memo No: AU/REG/1085/19, date: 01.03.2021)	Vice-Chairman	Preparation of hostel admission list, Allotment of students to Boys' and Girls' hostels, Purchase of electrical goods through e-tender, e-NIT for hostel canteen service, Drafting of Rules & Regulations for hostels.
Departmental research Committee	Member	All activities related to Ph.D. including conducting admission test and interview.
Board of Studies, Department of Chemistry (Memo No: AU/REG/1189/17, date: 13.11.2017)	Member	Preparing UG and PG Syllabi for Organic Chemistry courses
PhD Admission Committee, Aliah University, (Memo No: AU/REG/0535/20, date: 29.09.2020)	Member	Attended meetings to prepare to prepare the PhD & MPhil entrance application form, Screening online applications, conducting entrance exam., etc.

Internal Academic Audit (2019-20)

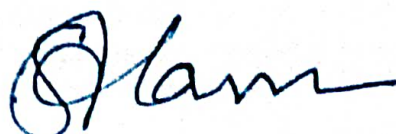
<p>Committee for Procurement of FTNMR Spectrometer, (Memo No: AU/REG/0278/17, date: 30.03.2017)</p>	<p>Chairperson</p>	<p>Conducting meeting for the preparing Technical Specification for FTNMR instrument, Evaluation of e-Tender documents, Techno-commercial meeting, etc.</p>
<p>Committee for procurement of Rotary evaporator with pump & chiller, Microwave Synthesizer, and Flash Chromatography, Aliah University, (Memo No: AU/REG/1100/18, date: 10.12.2018)</p>	<p>Chairman</p>	<p>Conducting meeting for the preparing Technical Specification for the instruments, Evaluation of e-Tender documents, Techno-commercial meeting, etc.</p>
<p>Committee for procurement of HPLC instrument, Aliah University (Memo No: AU/REG/1099/18, date: 10.12.2018)</p>	<p>Member</p>	<p>Attended meeting for the preparing Technical Specification for the instrument, Evaluation of e-Tender documents, etc.</p>
<p>Committee for procurement of Low temp. bath instrument, Aliah University, (Memo No: AU/REG/1101/18, date: 10.12.2018)</p>	<p>Member</p>	<p>Attended meeting for the preparing Technical Specification for the instrument, Evaluation of e-Tender documents, etc.</p>
<p>Committee for procurement of HRMS instrument, (Memo No: AU/REG/1070/18, date: 30.11.2018)</p>	<p>Member</p>	<p>Attended meeting for the preparing Technical Specification for the instrument, Evaluation of e-Tender documents, etc.</p>

10] Other responsibilities (Please specify, add rows if required):

<p>1.</p>	<p>Regular responsibilities shared as Assistant Professor</p>
<p>2.</p>	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
2	



Mustafa Jahir Raihan

1] Name: **Mustafa Jahir Raihan**

2] Designation: **Assistant Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **03 years**

5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet):
Publications **00/02**

1. "AC electrical conductivity and dielectric properties of doping induced molecular ferroelectric diisopropylammonium bromide" Rahman, M.; Kabir, E.; Khatun, M.; Raihan, M. J.; Singh, K. *Mater. Res. Exp.* **2019**, *6*, 096306.
2. "Complex impedance studies of organic ferroelectric-diisopropylammonium iodide (DIPAI)" Kabir, E.; Khatun, M.; Raihan, M. J.; Rahman, M. *AIP Conf. Proc.* **2019**, *2142*, 040011

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized): **01**

1. Organized a National Conference on Current Challenges and Opportunities in Chemical Sciences (CCOCS – 2019) held on 8th August, 2019 at Aliah University. My role in the committee: Treasurers.

9] Contribution to the growth and development of the University during the academic year:

Internal Academic Audit (2019-20)

Committee	Position held	Work done/ Activity
Expert Committee for the procurement of HRMS instrument (Memo No: AU/REG/1070/18, date: 30.11.2018)	Chairman	Meetings with experts and also with vendors, documentations for tendering
Expert Committee for the procurement of HPLC instrument (Memo No: AU/REG/1099/18, date: 10.12.2018)	Chairman	Meetings with experts and also with vendors, documentations for tendering
Maintenance committee (Memo No: AU/REG/0684/19, date: 25.07.2019)	Convener	meetings, site inspection and different related activities
Board of Studies (Memo No: AU/REG/1189/17, date: 13.11.2017)	Member	Course curriculum related work
Departmental purchase committee (Memo No: AU/REG/0819/18; dated 10-08-2018)	Member	Purchase related works
Departmental research Committee	Member	Activities related to Ph.D including conducting admission test and interview.
Convocation committee	Member	Meeting and related activities
Expert Committee for the procurement of Circular Dichroic Polarimeter (Memo No: AU/REG/1003/18; dated 31-10-2018)	Member	Meetings with experts and also with vendors
Expert Committee for the procurement of Freeze Dryer. (Memo No: AU/REG/1000/18; dated 31-10-2018)	Member	Meetings with experts and also with vendors

10] Other responsibilities (Please specify, add rows if required):

1	
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	



Academic Practices

Academic Practices (for the academic year: 2019-20)

1] Total number of teaching-days in the academic year: **158**

2] Total number of permanent teaching staff: **08**

3] Total number of permanent teaching staff with PhD: **08**

4] Number of programmes offered (please specify): **03** (Three years B.Sc, Five Years Integrated M. Sc and Ph.D Program)

5] Number of sanctioned intake of students and Number of actual admissions:

Programme	Sanctioned intake	Actual admissions
Three Years B.Sc	60	58
Five Years Integrated M. Sc	60	48
Ph.D Program		

6] How many teaching members have attended Orientation Programme/ Refresher Course/ FDP/ Workshop/ Training Programme/ Research Methodology Course/ Capacity Building Programme etc.: **04**

7] Number of Orientation Programme/ Refresher Course/ FDP/ Workshop/ Training Programme/ Research Methodology Course/ **02**

Internal Academic Audit (2019-20)

Capacity Building Programme etc. organised by the department:

- 8] Number of Training Programme/ Consultancy offered By the department: 00
- 9] Number of academic collaborations made by the department: 00
- 10] Innovative practices (please specify):

Teaching-Learning-Evaluation process (for the academic year: 2019-20)

- 1] Does teaching members participate in course designing? No
- 2] Does the department have a structured Board of Studies or similar academic body to design/ expand/ modify course content? Yes
- 3] Does the programme follow:
 - a. CBCS structure No
 - b. Elective-based structure Yes
 - c. Any other, please specify
- 4] Does the department follow Academic Calendar implemented By the University? Yes
- 5] Use of Teaching-Learning tools/ platforms (Please specify)
 - a. OHP No
 - b. LCD Yes
 - c. Interactive Boards Yes
 - d. LMS Yes
 - e. Any other No
- 6] Use of ICT in Teaching-Learning-Evaluation
 - a. e-books Yes
 - b. e-journals Yes
 - c. research database/ repositories No
 - d. IT enabled classroom No
 - e. Online assignment No
 - f. Online assessment No
 - g. Online feedback No
- 7] Weekly class hour per course (average): 04
- 8] Whether remedial/ tutorial classes included in class routine? Yes
- 9] Does the programme offered has scope of Internship/ Project/ Field work/ Seminar presentation/ Industrial training? Yes
- 10] Does the department follow progressive evaluation of students? Yes

11] Number of students appeared and passed in the academic year:

Programme	Appeared	Passed out
Five Years Integrated M. Sc	29	29
Ph.D Program		01

Research output (for the academic year: 2019-20)

- 1] Does the department offer MPhil/ PhD/ Post-Doctoral Programme: **Yes**
(Please specify):
- 2] Number of students/ scholars registered/ enrolled in MPhil/ PhD/ Post-Doctoral Programme (If the answer to Q1 is yes): **03**
- 3] Number of publications in refereed & peer-reviewed journals: **15**
- 4] Number of book/ edited-volume/ book-chapter published with ISBN: **00**
- 5] Number of patents registered: **Nil**
- 6] Number of revenue generating events (Consultancy, Training Programme, MDP/ EDP etc.): **Nil**
- 7] Number of Seminar/ Conference/ Workshop/ FDP etc organised at State/ National/ International level: **Nil**
- 8] Number of sponsored research projects:
a. Completed **00**
b. Ongoing **02**
- 9] Number of collaborative research projects:
a. Completed **00**
b. Ongoing **00**
- 10] Any innovative research initiative adopted and implemented (please specify): **N.A**

Infrastructure & facilities (departmental level)

- 1] Number of classrooms: **08**
- 2] Number of ICT-enabled classrooms: **01**
- 3] Number of laboratories: **07**

Internal Academic Audit (2019-20)

4] Availability of licensed software/ databases:		Yes
5] Number of tutorial rooms:	01	
6] Number of seminar halls:	00	
7] Number of rooms for the teaching members:		03
8] Number of computer/ printer/ scanner available:		
a. In laboratory		05
b. In teachers' enclosure	09	
c. For Research scholars	16	
d. For Administrative purpose	02	
9] Whether Internet facility available in classrooms/ laboratory / teachers' enclosure?		Yes
10] Whether reprographic facility available?		Yes
11] Number of washroom facility (for male):		02
12] Number of washroom facility (for female):		02
13] Presence of appropriate signage:	Yes	
14] Barrier free environment ensured?		Yes

Initiatives and Supplementation for Students:

1] Whether Mentorship (Teacher-driven) for students is in place?		Yes
2] Do the students participate in extra-academic activities and pursue Co-curricular activities?		Yes
3] Does the department arrange Industry-visit/ Industrial lecture/ Field-trips/ Excursions/ Archeological trips/ Exhibitions etc. for students?		Yes
4] Does the department arrange seminars/ workshops/ skill-development programmes etc. for students?		Yes
5] Does the department arrange programmes for the students focusing Soft-skill and Personality development?		Yes
6] Does the department have any Student Forum/ Club/ Chapter etc.?		No
7] Does the department have a students' feedback mechanism in place?		Yes
8] Are the students provided with Training and Placement support?		Yes
9] Do the students receive ICT-based teaching?		Yes

10] Can the students access digital resources offered by the University library? **Yes**

11] Please indicate the number of students those have qualified for NET/SET/GATE/GMAT/SLET/WBCS/UPSC or any other Competitive Exam (for the specific period) **05**

12] Please indicate the number of students those have progressed for higher studies (for the specific period) **04**


13] Please indicate the number of students those were offered placements by the University (for the specific period). **00**

Aliah University

Department of Chemistry

Academic Audit


Academic Year: 2020-2021


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
Md. Musidul Islam
19.03.2023


Floami
14/03/2023

Md. Aucktarul Alam
14.03.2023


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HEAD
Department of Chemistry
Aliah University, Kuwait

The Academic Audit process of Aliah University focuses on four key functional areas:

1. Academic Management
2. Academic Practices
3. Infrastructure and supportive facilities
4. Initiatives and Supplementation

Academic Management

Information about HOD/ HOD (Officiating)

1] Name: **Md. Akhtarul Alam**

2] Designation: **Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **12 years**

5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **14 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/ **01/02**

Study material developed during

The academic year (provide list in separate sheet):

Project: Title: Design and Syntheses of Host for Trapping Carcinogenic Ions and Molecular Guest (Project No: 376(Sanc.)/ST/P/S&T /9G-16/2013 Date: 21.07.2014. DST (Govt. W.B.)

Publications:

1. Ismail Sk, Mehebab Ali Khan, Anamika Haque, Soumen Ghosh,* Md. Akhtarul Alam* "Comparative Chemocatalytic Reduction Efficacy of Biosynthesized Silver and Gold Nanoparticles towards Aromatic Nitro Compounds" *Analytical Chemistry Letter*, 2020, 10, 667–683.
2. Mehebab Ali Khan, Surendra Meena, Md. Akhtarul Alam,* Soumen Ghosh* "A Solvent Sensitive Coumarin Derivative Coupled with Gold Nanoparticles as Selective Fluorescent Sensor for Pb²⁺ Ions in Real Samples" *Spectrochimica Acta Part A*, 2020, 243, 118810.

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized):

00

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
HOD Chemistry (Memo No: AU/REG/0279/16, dated 20-03-2018)	Head of the Department	All activities related to head of the Department.
Student Identity Card Committee ((Memo No: AU/REG/0856/19; dated 30-08-2019)	Chairperson	All activities related to Student Identity card including
NAAC committee member ((Memo No: AU/REG/0200/21, dated 24-02-2021)	member	Discuss and support of criterion-V
Departmental research	Chairperson	All activities related to Ph.D

Internal Academic Audit (2020-21)

Committee		including conducting admission test and interview.
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10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
2	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

Md. Akhtarul Alam

Information about Teaching Members (to be filled by individual Teaching member)

Md. Akhtarul Alam

1] Name: **Md. Akhtarul Alam**

2] Designation: **Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **12 years**

5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **14 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet):

Project: Title: Design and Syntheses of Host for Trapping Carcinogenic Ions and Molecular Guest (Project No: 376(Sanc.)/ST/P/S&T /9G-16/2013 Date: 21.07.2014. DST (Govt. W.B.)

Publications:

1. Ismail Sk, Mehebul Ali Khan, Anamika Haque, Soumen Ghosh, Md. Akhtarul Alam "Comparative Chemocatalytic Reduction Efficacy of Biosynthesized Silver and Gold Nanoparticles towards Aromatic Nitro Compounds" *Analytical Chemistry Letter*, 2020, 10, 667-683.

2. Mehebab Ali Khan, Surendra Meena, Md. Akhtarul Alam,* Soumen Ghosh* "A Solvent Sensitive Coumarin Derivative Coupled with Gold Nanoparticles as Selective Fluorescent Sensor for Pb²⁺ Ions in Real Samples" *Spectrochimica Acta Part A*, 2020, 243, 118810.

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized):

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
HOD Chemistry (Memo No: AU/REG/0279/16, dated 20-03-2018)	Head of the Department	All activities related to head of the Department.
Student Identity Card Committee ((Memo No: AU/REG/0856/19; dated 30-08-2019)	Chairperson	All activities related to Student Identity card including
NAAC committee member ((Memo No: AU/REG/0200/21, dated 24-02-2021)	member	Discuss and support of criterion-V
Departmental research Committee	Chairperson	All activities related to Ph.D including conducting admission test and interview.

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

Md. Akhtarul Alam

Harun Al Rasid Gazi

1] Name: Harun Al Rasid Gazi

2] Designation: ASSISTANT PROFESSOR

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **12 years**

5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, M.Sc Project Supervision)**

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet):

Publications:

1. Mohammad, Mukti, **Harun Al Rasid Gazi**, Kumud Pandav, Prateek Pandya, and Md Maidul Islam. "Evidence for dual site binding of Nile blue A toward DNA: Spectroscopic, thermodynamic, and molecular modeling studies." *ACS omega*. **2021**, 6, 2613-2625.
2. Mohammad, Mukti, Ishita Saha, Kunal Pal, Parimal Karmakar, Prateek Pandya, **Harun Al Rasid Gazi**, and Md Maidul Islam. "A comparison on the biochemical activities of Fluorescein disodium, Rose Bengal and Rhodamine 101 in the light of DNA binding, antimicrobial and cytotoxic study." *Journal of Biomolecular Structure and Dynamics*. **2021**, 1-12.

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized):

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9] Contribution to the growth and development of the University during the academic year:

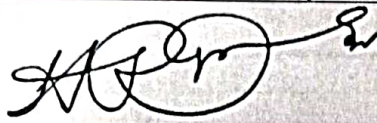
Committee	Position held	Work done/ Activity
Departmental research Committee	Member	All activities related to Ph.D including conducting admission test and interview.
Departmental Syllabus Committee	Member	Preparation and updating of syllabi offered by Department
Departmental Lab equipments	Member	Finalisation of technical specification and assisting tender process.
Departmental Examination Committee	Member	All activities related to Examination
Board of studies, Department	Member	Look after the academic activity of the Department
Water Harvesting committee	Member	Survey, Establish and maintain water Harvesting plant in the University

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
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Dr. Md. Maidul Islam

- 1] Name: **Dr. Md. Maidul Islam**
- 2] Designation: **ASSISTANT PROFESSOR**
- 3] Qualification: **M.Sc, M.Tech, Ph. D**
- 4] Teaching experience (in years): **12 years**
- 5] Industry experience (if any in years): **Nil**
- 6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, M.Sc Project Supervision)**

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet):

Publications:

1. Mohammad, Mukti, **Harun Al Rasid Gazi**, Kumud Pandav, Prateek Pandya, and Md Maidul Islam. "Evidence for dual site binding of Nile blue A toward DNA: Spectroscopic, thermodynamic, and molecular modeling studies." *ACS omega*. 2021 6, no. 4, 2613-2625
2. Mohammad, Mukti, Ishita Saha, Kunal Pal, Parimal Karmakar, Prateek Pandya, **Harun Al Rasid Gazi**, and Md Maidul Islam. "A comparison on the biochemical activities of Fluorescein disodium, Rose Bengal and Rhodamine 101 in the light of DNA binding, antimicrobial and cytotoxic study." *Journal of Biomolecular Structure and Dynamics*. 2021, 1-12.

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized):

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9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Committee for Environmental Study	Cocordinator	Conduct the teaching of EVS
Placement Committee	Member	All placement related work
University Ethical	Member	To obey the ethics in

Internal Academic Audit (2020-21)

Committee		research related work
Biological Sciences Purchase Committee	Member	Activity related to purchasing Biological Sciences relating material
Departmental research Committee	Member	All activities related to Ph.D including conducting admission test and interview.
Departmental Syllabus Committee	Member	Preparation and updating of syllabi offered by Department
Departmental Lab equipments	Member	Finalisation of technical specification and assisting tender process.
Board of studies, Department	Member	Look after the academic activity of the Department
Departmental Examination Committee	Member	All activities related to Examination

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
2	Section In Charge of Medicinal Chemistry

Md. Maidul Islam

Md. Hedayetullah Mir

1] Name: **Md. Hedayetullah Mir**

2] Designation: **Assistant Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **10 years**

5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **10 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet):

Publications:

1. S. Khan, A. Hazra, B. Dutta, Akhtaruzzaman, M. J. Raihan, P. Banerjee* and M. H. Mir* "Strategic Design of Anthracene-Decorated Highly Luminescent Coordination Polymers for Selective and Rapid Detection of TNP: An Explosive Nitro Derivative and Mutagenic Pollutant" Cryst. Growth Des., 2021, 21, 3344–3354.
2. S. Naaz, P. Das, S. Khan, B. Dutta, S. Maity, P. Ghosh, P. P. Ray* and M. H. Mir* "Fabrication of a halopyridine appended Co(II) based 1D coordination polymer for efficient charge transportation" Polyhedron, 2021, 201, 115159.
3. Akhtaruzzaman, M. Mohammad, S. Khan, B. Dutta, S. Maity, S. Naaz, S. M. Alam, P. Ghosh, M. M. Islam* and M. H. Mir* "One-pot crystallization of 1,4-cyclohexanedicarboxylate based two tetranuclear Cu(II) compounds impacts on DNA binding affinities" CrystEngComm, 2021, 23, 1091–1098.
4. F. Ahmed, J. Ortega-Castro, A. Frontera* and M. H. Mir* "Semiconducting properties of pyridyl appended linear dicarboxylate based coordination polymers: theoretical prediction via DFT study" Dalton Trans., 2021, 50, 270–278.
5. F. Ahmed, B. Dutta and M. H. Mir* "Electrically conductive 1D coordination polymers: design strategy and controlling factors" Dalton Trans., 2021, 50, 29-38 (Invited Frontier Article).
6. B. Dutta, C. Sinha* and M. H. Mir* "Exploration of [2+2] photodimerization of coordination polymers in various applications" J. Indian Chem. Soc., 2020, 97, 2601-2607 (Invited Article, Special Issue, ICS Convention).
7. S. Islam, P. Das, S. Maiti, S. Khan, S. Maity, P. Ghosh, A. D. Jana,* P. P. Ray* and M. H. Mir* "Electrically conductive Cu(II)-based 1D coordination polymer with theoretical insight" Dalton Trans., 2020, 49, 15323–15331.
8. Akhtaruzzaman, S. Khan, A. A. Alothman, B. Dutta, S. M. Wabaidur, S. M. Alam, M. M. Islam* and M. H. Mir* "Synthesis, crystal structure and DNA binding of a new Ni(II) coordination compound based on 4-naphthylvinylpyridine ligand" Polyhedron, 2020, 19, 114777(1-9).
9. S. Islam, B. Pal, S. Khan, S. Maity, S. Naaz, P. Ghosh, P. P. Ray* and M. H. Mir* " Fabrication of Cu(II) based halobenzoate appended ladder polymers with efficient charge transport property" CrystEngComm, 2020, 22, 6720-6726.
10. B. Dutta, S. R. Ghosh, A. Roy, S. Jana, C. Sinha, S. Das, A. D. Jana* and M. H. Mir* "Stabilization of Cyclic Water Tetramer and Dimer in the Crystal Host of 2D Coordination Networks: Electrical Conductivity and Dielectric Studies" New J. Chem., 2020, 44, 15857-15870.

8] Contribution to enrich quality of teaching-learning
during the academic year:
(Seminars/Workshops/lectures/field visits organized):

9] Contribution to the growth and development of the
University during the academic year:

Committee	Position held	Work done/ Activity
Routine Committee	Member	All activities related to finalize the common and departmental routine.
Departmental research Committee	Member	All activities related to Ph.D including conducting

Internal Academic Audit (2020-21)

Departmental purchase Committee	Member	admission test and interview. All activities related to purchase of instruments in the department.
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10] Other responsibilities (Please specify, add rows if required):

1	
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
2	

Md. Hedayetullah Mir

Seikh Mafiz Alam

1] Name: Seikh Mafiz Alam

2] Designation: Assistant Professor

3] Qualification: M.Sc, Ph. D

4] Teaching experience (in years): 10 years

5] Industry experience (if any in years): Nil

6] Number of teaching hours per week: 16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet):

Publications:

1. Akhtaruzzaman, S. Khan, A. A. Alothman, B. Dutta, S. M. Wabaidur, S. M. Alam, M. M. Islam* and M. H. Mir* "Synthesis, crystal structure and DNA binding of a new Ni(II) coordination compound based on 4-naphthylvinylpyridine ligand" Polyhedron, 2020, 19, 114777(1-9).

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized):

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Departmental Examination Committee	Member	Participated in conducting examinations in the Department
Expert of PhD thesis evaluation	Expert	Acted as Expert in the evaluation of PhD thesis of a doctoral student

10] Other responsibilities (Please specify, add rows if required):

1	
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	



Nasima Yasmin

1] Name: **Nasima Yasmin**

2] Designation: **Assistant Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **11 years**

5] Industry experience (if any in years):

6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet):
Publications:

1. Green Synthesized AgNPs Embedded in COF: An Efficient Catalyst for the Synthesis of 2-Oxazolidinones and α -Alkylidene Cyclic Carbonates via CO₂ Fixation"; Year: **2020**, Vol: 6, pp: 1386-1397.

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized):

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9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Board of Studies, Department of Chemistry	Member	All activities related to drafting of syllabus.
Grievance Redressal Cell Memo No: AU/REG/0250/21	Member	All activities related to sort out grievances of students

10] Other responsibilities (Please specify, add rows if required):

1	
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

Nasima Yasmin

Dr. Safiul Alam

1] Name: **Dr. Safiul Alam**

2] Designation: **Assistant Professor**

3] Qualification: **M. Sc., Ph. D.**

4] Teaching experience (in years): **9 years**

5] Industry experience (if any in years): **3 years**

6] Number of teaching hours per week: **16 hours per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet):

8] Contribution to enrich quality of teaching-learning

during the academic year:

(Seminars/Workshops/lectures/field visits organized):

00

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Hostel Management Committee, Aliah University (Memo No: AU/REG/0229/21, date: 01.03.2021)	Vice-Chairman	Preparation of hostel admission list, Allotment of students to Boys' and Girls' hostels, e-NIT for hostel canteen service, etc.
Departmental research Committee	Member	All activities related to Ph.D. including conducting admission test and interview.
Board of Studies, Department of Chemistry, (Memo No: AU/REG/0055A/21, date: 25.01.2021)	Member	Preparing UG and PG Syllabi for Organic Chemistry courses, Drafting CBCS syllabus structure, Syllabus for PhD course work.
Committee for the Coaching Centre for NET, SET & GATE Exam., (Memo No: AU/REG/0487/20, date: 09.09.2020)	Member	Attended meetings to prepare syllabus and other arrangements related to NET, SET & GATE Exam.
Review Committee, Aliah University, (Memo No: AU/REG/0733/20, date: 17.12.2020)	Member	Attended meetings to prepare to prepare the policy for hiring hostel to accommodate students.
PhD Admission Committee, Aliah University, (Memo No: AU/REG/0535/20, date: 29.09.2020)	Member	Attended meetings to prepare to prepare the PhD & MPhil entrance application form, Screening online applications, conducting entrance exam., etc.
Committee for procurement of Low temp. bath instrument, Aliah University, (Memo No:	Member	Attended meeting for the preparing Technical Specification for the instrument, Evaluation of e-Tender documents, etc.

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AU/REG/1101/18, date: 10.12.2018)		
Committee for procurement of Rotary evaporator with pump & chiller, Microwave Synthesizer, and Flash Chromatography, Aliah University, (Memo No: AU/REG/1100/18, date: 10.12.2018)	Chairman	Conducting meeting for the preparing Technical Specification for the instruments, Evaluation of e-Tender documents, Techno-commercial meeting, etc.
Committee for procurement of HPLC instrument, Aliah University (Memo No: AU/REG/1099/18, date: 10.12.2018)	Member	Attended meeting for the preparing Technical Specification for the instrument, Evaluation of e-Tender documents, etc.

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
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Mustafa Jahir Raihan

1] Name: **Mustafa Jahir Raihan**

2] Designation: **Assistant Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **04 years**

5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet):

Publications:

“Strategic Design of Anthracene-Decorated Highly Luminescent Coordination Polymers for Selective and Rapid Detection of TNP: An Explosive Nitro Derivative and Mutagenic Pollutant” Khan, S.; Hazra, A.; Dutta, B.; Akhtaruzzaman, Raihan, M. J.; Banerjee, P.; Mir, M. H. *Cryst. Growth Des.* 2021, 21, 3344-3354.

8] Contribution to enrich quality of teaching-learning
during the academic year:
(Seminars/Workshops/lectures/field visits organized):

00

9] Contribution to the growth and development of the
University during the academic year:

Committee	Position held	Work done/ Activity
Expert Committee for the procurement of HRMS instrument (Memo No: AU/REG/1070/18, date: 30.11.2018)	Chairman	Meetings with experts and also with vendors, documentations for tendering
Expert Committee for the procurement of HPLC instrument (Memo No: AU/REG/1099/18, date: 10.12.2018)	Chairman	Meetings with experts and also with vendors, documentations for tendering
Board of Studies (Memo No: AU/REG/1189/17, date: 13.11.2017)	Member	Course curriculum related work
Departmental purchase committee (Memo No: AU/REG/0819/18; dated 10-08-2018)	Member	Purchase related works
Departmental research Committee	Member	Activities related to Ph.D including conducting admission test and interview.
Convocation committee	Member	Meeting and related activities
Expert Committee for the procurement	Member	Meetings with experts and also with vendors

Internal Academic Audit (2020-21)

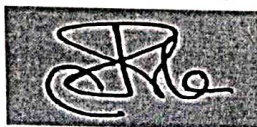
of Circular Dichroic Polarimeter (Memo No: AU/REG/1003/18; dated 31-10-2018)		
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10] Other responsibilities (Please specify, add rows if required):

1	
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	



Academic Practices

Academic Practices (for the academic year: 2020-21)

- 1] Total number of teaching-days in the academic year: **136**
- 2] Total number of permanent teaching staff: **08**
- 3] Total number of permanent teaching staff with PhD: **08**
- 4] Number of programmes offered (please specify): **03** (Three years B.Sc, Five Years Integrated M. Sc and Ph.D Program)

5] Number of sanctioned intake of students and

Number of actual admissions:

Programme	Sanctioned intake	Actual admissions
Three Years B.Sc	60	50
Five Years Integrated M. Sc	60	55
Ph.D Program		

6] How many teaching members have attended Orientation Programme/ Refresher Course/ FDP/ Workshop/

Training Programme/ Research Methodology Course/

Title of the Course	Place	Duration	Period
UGC-Sponsored Online Refreshers Course in Basic Sciences	Jamia Millia Islamia, New Delhi	2 Week	10 th September to 23 rd September, 2020
UGC-Sponsored Online Faculty Induction Programme	Jamia Millia Islamia, New Delhi	4 weeks	5 th October to 3 rd November 2020
Online Refresher Course In Chemistry For Higher Education	SWAYAM-NPTEL (Online RC)	16 weeks	1 st December, 2020 to 31 st March, 2021

7] Number of Orientation Programme/ Refresher Course/ FDP/ Workshop/ Training Programme/ Research Methodology Course/ Capacity Building Programme etc. organised by the department: 00

8] Number of Training Programme/ Consultancy offered By the department: 00

9] Number of academic collaborations made by the department: 00

10] Innovative practices (please specify):

Teaching-Learning-Evaluation process (for the academic year: 2020-21)

1] Does teaching members participate in course designing? No

2] Does the department have a structured Board of Studies or similar academic body to design/ expand/ modify course content? Yes

3] Does the programme follow:
 a. CBCS structure No
 b. Elective-based structure Yes
 c. Any other, please specify

4] Does the department follow Academic Calendar implemented By the University? Yes

5] Use of Teaching-Learning tools/ platforms (Please specify)
 a. OHP No
 b. LCD Yes
 c. Interactive Boards Yes
 d. LMS No
 e. Any other

6] Use of ICT in Teaching-Learning-Evaluation
 a. e-books Yes
 b. e-journals Yes

Internal Academic Audit (2020-21)

- c. research database/ repositories **No**
- d. IT enabled classroom **No**
- e. Online assignment **No**
- f. Online assessment **No**
- g. Online feedback **No**
- 7] Weekly class hour per course (average): **04**
- 8] Whether remedial/ tutorial classes included in class routine? **Yes**
- 9] Does the programme offered has scope of Internship/ Project/ Field work/ Seminar presentation/ Industrial training? **Yes**
- 10] Does the department follow progressive evaluation of students? **Yes**
- 11] Number of students appeared and passed in the academic year:

Programme	Appeared	Passed out
Three Years B.Sc	57	57
Two Years M. Sc	47	47
Ph.D Program		2

Research output (for the academic year: 2020-21)

- 1] Does the department offer MPhil/ PhD/ Post-Doctoral Programme: (Please specify): **Yes**
- 2] Number of students/ scholars registered/ enrolled in MPhil/ PhD/ Post-Doctoral Programme (If the answer to Q1 is yes): **03**
- 3] Number of publications in refereed & peer-reviewed journals: **19**
- 4] Number of book/ edited-volume/ book-chapter published with ISBN: **00**
- 5] Number of patents registered: **Nil**
- 6] Number of revenue generating events (Consultancy, Training Programme, MDP/ EDP etc.): **Nil**
- 7] Number of Seminar/ Conference/ Workshop/ FDP etc organised at State/ National/ International level: **Nil**
- 8] Number of sponsored research projects:
- a. Completed **01**
- b. Ongoing **00**
- 9] Number of collaborative research projects:
- a. Completed **00**

b. Ongoing

00

10] Any innovative research initiative adopted and implemented (please specify): N.A

Infrastructure & facilities (departmental level)

1] Number of classrooms:	08
2] Number of ICT-enabled classrooms:	01
3] Number of laboratories:	06
4] Availability of licensed software/ databases:	Yes
5] Number of tutorial rooms:	01
6] Number of seminar halls:	00
7] Number of rooms for the teaching members:	03
8] Number of computer/ printer/ scanner available:	
a. In laboratory	05
b. In teachers' enclosure	09
c. For Research scholars	16
d. For Administrative purpose	02
9] Whether Internet facility available in classrooms/ laboratory / teachers' enclosure?	Yes
10] Whether reprographic facility available?	Yes
11] Number of washroom facility (for male):	02
12] Number of washroom facility (for female):	02
13] Presence of appropriate signage:	Yes
14] Barrier free environment ensured?	Yes

Initiatives and Supplementation for Students:

1] Whether Mentorship (Teacher-driven) for students is in place?	Yes
2] Do the students participate in extra-academic activities and pursue Co-curricular activities?	Yes
3] Does the department arrange Industry-visit/ Industrial lecture/ Field-trips/ Excursions/ Archeological trips/ Exhibitions etc. for students?	Yes
4] Does the department arrange seminars/ workshops/ skill-development programmes etc. for students?	Yes

Internal Academic Audit (2020-21)

- 5] Does the department arrange programmes for the students focusing Soft-skill and Personality development? **Yes**
- 6] Does the department have any Student Forum/ Club/ Chapter etc.? **No**
- 7] Does the department have a students' feedback mechanism in place? **Yes**
- 8] Are the students provided with Training and Placement support? **Yes**
- 9] Do the students receive ICT-based teaching? **Yes**
- 10] Can the students access digital resources offered by the University library? **Yes**
- 11] Please indicate the number of students those have qualified for NET/SET/GATE/GMAT/SLET/WBCS/UPSC or any other Competitive Exam (for the specific period) **00**
- 12] Please indicate the number of students those have progressed for higher studies (for the specific period) **00**
- 13] Please indicate the number of students those were offered placements by the University (for the specific period). **00**

List of Publications:

i) Mukti Mohammad, **Harun Al Rasid Gazi**, Kumud Pandav, Prateek Pandya and Md. Maidul Islam, "Evidence for Dual Site Binding of Nile Blue A toward DNA: Spectroscopic, Thermodynamic, and Molecular Modeling Studies" *ACS Omega*, 2021, 6, 4, 2613–2625

ii) Mukti Mohammad, Ishita Saha, Kunal Pal, Parimal Karmakar, Prateek Pandya, **Harun Al Rasid Gazi**, Md Maidul Islam, "A comparison on the biochemical activities of Fluorescein disodium, Rose Bengal and Rhodamine 101 in the light of DNA binding, antimicrobial and cytotoxic study" *Journal of Biomolecular Structure and Dynamics*, 2021, Received 06 Nov 2020, Accepted 24 May 2021, Published online: 14 Jun 2021

1. **Faculty development programme on Computational Chemistry** by Department of Chemistry & Centre for Research, Baselius College Kottayamin in Association with Central Research Society of India (CRSI) from 16th December, to 2nd December,, 2020.
2. **Faculty development programme on Quantum Mechanics** by Dr. R. S. Swathi, Associate professor, school o Chemistry, IISER-TVM from 18th January to 23rd January, 2021.
3. **Islam, M. M.**, (2020) Advanced Chemical Research for Mankind, 7th November, 2020, by Department of Chemistry, Santal Bidroho Sardha Satabarsiki Mahavidyalaya.
4. **Mandal M. K., Mohammad M., Islam M. M.** (2020) Removal of Hazardous Dye from Water Body using *Abelmoschus esculenuts*, 9th -11th October, 2020, SPECTRUM
5. **Islam M. M.** (2020) Recent trends in Chemistry in the fields of Medicine and Industry, 5th September, 2020 by Department of Chemistry, Presidency University.
6. **Islam, M. M.**, (2020) Designing of Remdesivir Based New Molecules Binds to Protease Enzyme of Covid-19 Virus: An In-silico Study, 2 nd Euroscicon Conference on Virology; Online Event July 27, 2020. ISSN 2471-9676 vol 6, no 3
7. **Islam, M. M.**, (2021) DNA Topoisomerase IIB, 4th February, 2021, by Department of Biochemistry and IQAC Asutosh Collage, Kolkata

Aliah University

Department of Chemistry

Academic Audit

Academic Year: 2021-2022

[Signature]
14.03.2023

Mr. Masudul Jahan
14.03.2023

Hanni
14/3/2023


Mr. Asst. Prof. Alam
14.03.2023

[Signature]
14.3.23

[Signature]
14.03.23

[Signature]
14.3.23

[Signature]
14.3.2023

 HEAD
Department of Chemistry
Aliah University, Kolkata

The Academic Audit process of Aliah University focuses on four key functional areas:

1. Academic Management
2. Academic Practices
3. Infrastructure and supportive facilities
4. Initiatives and Supplementation

Academic Management

Information about HOD/ HOD (Officiating)

1] Name: **Md. Akhtarul Alam**

2] Designation: **Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **13 years**

5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **14 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/ **0/01**

Study material developed during

The academic year (provide list in separate sheet):

Publications :

1. Anamika Hoque, Md Sanaul Islam, Mehebab Ali Khan, Soumen Ghosh, Md. Asraful Sekh, Sahid Hussain and Md. Akhtarul Alam, Biphenyl-containing amido Schiff base derivative as a turn-on fluorescent chemosensor for Al³⁺ and Zn²⁺ ions, New J. Chem., 2022,46, 16025-16034.

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized): **00**

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
HOD Chemistry (Memo No: AU/REG/0279/16, dated 20-03-2018)	Head of the Department	All activities related to head of the Department.
Student Identity Card Committee ((Memo No: AU/REG/0856/19; dated 30-08-2019)	Chairperson	All activities related to Student Identity card including
NAAC committee member ((Memo No: AU/REG/0200/21, dated 24-02-2021)	member	Discuss and support of criterion-V
Departmental research Committee	Chairperson	All activities related to Ph.D including conducting admission test and interview.

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
2	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

Md. Akhtarul Alam

Information about Teaching Members (to be filled by individual Teaching member)

Md. Akhtarul Alam

1] Name: **Md. Akhtarul Alam**

2] Designation: **Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **13 years**

5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **14 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/ Study material developed during The academic year (provide list in separate sheet): **00/01**

Publications:

1. Anamika Hoque, Md Sanaul Islam, Mehebab Ali Khan, Soumen Ghosh, Md. Asraful Sekh, Sahid Hussain and Md. Akhtarul Alam, Biphenyl-containing amido Schiff base derivative as a turn-on fluorescent chemosensor for Al^{3+} and Zn^{2+} ions, New J. Chem., 2022,46, 16025-16034.

8] Contribution to enrich quality of teaching-learning during the academic year: (Seminars/Workshops/lectures/field visits organized):

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
HOD Chemistry (Memo No: AU/REG/0279/16, dated 20-03-2018)	Head of the Department	All activities related to head of the Department.
Student Identity Card Committee ((Memo No: AU/REG/0856/19; dated 30-08-2019)	Chairperson	All activities related to Student Identity card including
NAAC committee member ((Memo No: AU/REG/0200/21, dated 24-02-2021)	member	Discuss and support of criterion-V
Departmental research Committee	Chairperson	All activities related to Ph.D including conducting admission test and interview.

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

Md. Akhtarul Alam

Harun Al Rasid Gazi

1] Name: **Harun Al Rasid Gazi**

2] Designation: **ASSISTANT PROFESSOR**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **13 years**

5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, M.Sc Project Supervision)**

7] Number of Research Projects/Publications/ Study material developed during The academic year (provide list in separate sheet): **00**

8] Contribution to enrich quality of teaching-learning during the academic year: (Seminars/Workshops/lectures/field visits organized): **00**

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Departmental research Committee	Member	All activities related to Ph.D including conducting admission test and interview.
Departmental Syllabus Committee	Member	Preparation and updating of syllabi offered by Department
Departmental Lab equipments	Member	Finalisation of technical specification and assisting tender process.
Departmental Examination Committee	Member	All activities related to Examination
Board of studies, Department	Member	Look after the academic activity of the Department
Water Harvesting committee	Member	Survey, Establish and maintain water Harvesting plant in the University

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
---	--

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
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Dr. Md. Maidul Islam

- 1] Name: **Dr. Md. Maidul Islam**
 2] Designation: **ASSISTANT PROFESSOR**
 3] Qualification: **M.Sc, M.Tech, Ph. D**
 4] Teaching experience (in years): **13 years**
 5] Industry experience (if any in years): **Nil**
 6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, M.Sc Project Supervision)**

7] Number of Research Projects/Publications/ **00/01**

Study material developed during
 The academic year (provide list in separate sheet):

Publications:

1. Sanobar Naaz, Rajibul Arif Laskar, Sk Khalid Rahaman, Saikh Mohammad Wabaidur, Masoom Raza Siddiqui, Md Ataul Islam, Md Maidul Islam, Mohammad Hedayetullah Mir, Seikh Mafiz Alam, Supramolecular Chemistry, 2021, 33, 487-492

8] Contribution to enrich quality of teaching-learning during the academic year:
 (Seminars/Workshops/lectures/field visits organized):

00

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Committee for Environmental Study	Cocordinator	Conduct the teaching of EVS
Placement Committee	Member	All placement related work
University Ethical Committee	Member	To obey the ethics in research related work
Biological Sciences Purchase Committee	Member	Activity related to purchasing Biological Sciences relating material
Departmental research Committee	Member	All activities related to Ph.D including conducting admission test and interview.
Departmental Syllabus Committee	Member	Preparation and updating of syllabi offered by Department
Departmental Lab equipments	Member	Finalisation of technical specification and assisting tender process.
Board of studies, Department	Member	Look after the academic activity of the Department
Departmental Examination	Member	All activities related to

Committee		Examination
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10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
2	Section In Charge of Medicinal Chemistry

Md. Maidul Islam

Md. Hedayetullah MIR

1] Name: **Md. Hedayetullah MIR**

2] Designation: **Assistant Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **12 years**

5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet):

01/10

Project:

Principal Investigator (PI): Collaborative Research Scheme (CRS) project of worth Rs. 1.35 Lakhs (Grant No. CRS/2021-22/02/538 Dated 30/03/2022) under UGC-DAE CSR, Govt. of India, Duration 3 yrs

Publications:

1. T. Chatterjee, B. Dutta, R. Roy, M. R. Siddiqui, S. M. Wabaidur, M. A. Islam, F. Ahmed,* S. M. Alam,* and M. H. Mir* "Cu(II) based 1D zig-zag coordination polymer: X-ray structure determination and DFT study" Inorg. Chim. Acta, 2022, 536, 120894.

2. S. K. Rahaman, M. Mohammad, R. A. Laskar, M. R. Siddiqui, S. M. Wabaidur, M. A. Islam, S. M. Alam, F. Ahmed,* M. M. Islam* and M. H. Mir* "A muconate bridged bipyridyl appended binuclear Cu(II) complex reveals dissimilar affinities to DNA and BSA protein" *Polyhedron* 2022, 219,115813.
3. S. Khan, A. Frontera,* R. Matsuda,* S. Kitagawa* and M. H. Mir* "Topochemical [2 + 2] Cycloaddition in a Two-Dimensional Metal–Organic Framework via SCSC Transformation Impacts Halogen···Halogen Interactions" *Inorg. Chem.* 2022, 61, 3029-3032.
4. B. Dutta, B. Pal, S. Dey, S. Maity, P. P. Ray* and M. H. Mir* "Exploitation of Structure-Property Relationship towards Multi-Dimensional Applications of a Paddle-Wheel Cu(II) Coordination Compound" *Eur. J. Inorg. Chem.* 2022, e202100904(1-8).
5. S. Naaz, B. Debnath, S. Islam, S. Khan, F. Ahmed, B. Dutta, A. D. Jana* and M. H. Mir* "Carboxylate Bridged Cyclic SBUs as Robust Features in a Series of Cu(II) Coordination Polymers and Halogen···Halogen Interactions in Crystal Packing " *Cryst. Growth Des.* 2022, 22, 1253–1262. 2021
6. S. Naaz, R. A. Laskar, M. R. Siddiqui, S. M. Wabaidur, M. A. Islam, S. M. Alam* M. M. Islam* and M. H. Mir* "Supramolecular Assembly of a Terpyridyl based Binuclear Cu(II) Complex and its DNA Docking Study" *Supramol. Chem.* 2021, 33, 487-492.
7. Akhtaruzzaman, B. Pal, S. Khan, B. Dutta, S. Naaz, S. Maity, P. Ghosh, P. P. Ray* and M. H. Mir* "Exploration of semiconducting properties of Zn(II) and Cd(II) based coordination polymers with dicarboxylate of chair-type backbone" *CrystEngComm*, 2021, 23, 7525–7533.
8. T. Chatterjee, B. Dutta, S. Khan, S. Islam, A. M. Alanazi, S. M. Wabaidur, S. M. Alam* and M. H. Mir* "Exploitation of a Zn(II) paddle wheel metal-organic framework as effective sorbent for the quantitative estimation of cationic and anionic dyes" *Inorg. Chim. Acta*, 2021, 528, 120595 (1-7).
9. S. Khan, Akhtaruzzaman, R. Medishetty,* A. Ekka, M. H. Mir* "Mechanical motion in crystals triggered by solid state photochemical [2+2] cycloaddition reaction" *Chem. Asian J.* 2021, 16, 2806-2816 (Minireview).
10. M. H. Mir,* S. Bera, S. Khan, S. Maity, C. Sinha and B. Dutta "Sunlight assisted SCSC dimerization of a 1D coordination polymer impacts the selectivity of Pd(II) sensing in water. *Chem. Commun.* 2021, 57, 6197-6200.

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized):

00

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Routine Committee	Member	All activities related to finalize the common and departmental routine.
Departmental research Committee	Convener	All activities related to Ph.D including conducting admission test and interview.
Departmental purchase Committee	Member	All activities related to purchase of instruments in the department.
Member Institution-	Member	All activities related to

Industry Cell		Institution-Industry collaboration.
Member University web page design	Member	All activities related to University web page design.

10] Other responsibilities (Please specify, add rows if required):

1	NII
2.	NII

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
2	

Md. Hedayetullah Mir

Seikh Mafiz Alam

1] Name: Seikh Mafiz Alam

2] Designation: Assistant Professor

3] Qualification: M.Sc, Ph. D

4] Teaching experience (in years): 12 years

5] Industry experience (if any in years): Nil

6] Number of teaching hours per week: 16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet):
Publications:

00/02

1. T. Chatterjee, B. Dutta, R. Roy, M. R. Siddiqui, S. M. Wabaidur, M. A. Islam, F. Ahmed, S. M. Alam, and M. H. Mir "Cu(II) based 1D zig-zag coordination polymer: X-ray structure determination and DFT study" Inorg. Chim. Acta, 2022, 536, 120894.
2. T. Chatterjee, B. Dutta, S. Khan, S. Islam, A. M. Alanazi, S. M. Wabaidur, S. M. Alam and M. H. Mir "Exploitation of a Zn(II) paddle wheel metal-organic framework as effective sorbent for the quantitative estimation of cationic and anionic dyes" Inorg. Chim. Acta, 2021, 528, 120595 (1-7).

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized):

00

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Departmental Examination Committee	Member	Participated in conducting examinations in the Department
Expert of PhD thesis evaluation	Expert	Acted as Expert in the evaluation of PhD thesis of a doctoral student

10] Other responsibilities (Please specify, add rows if required):

1	
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

Saima Yasmin

Nasima Yasmin

1] Name: **Nasima Yasmin**

2] Designation: **Assistant Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **12 years**

5] Industry experience (if any in years):

6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/ **00**

Study material developed during
The academic year (provide list in separate sheet):

1. "Microwave-assisted activation of Al"

Internal Academic Audit (2021-22)

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized): 00

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Board of Studies, Department of Chemistry	Member	All activities related to drafting of syllabus.
Grievance Redressal Cell Memo No: AU/REG/0250/21	Member	All activities related to sort out grievances of students

10] Other responsibilities (Please specify, add rows if required):

1	
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

Nasima Yasmin

Dr. Safiul Alam

- 1] Name: **Dr. Safiul Alam**
- 2] Designation: **Assistant Professor**
- 3] Qualification: **M. Sc., Ph. D.**
- 4] Teaching experience (in years): **10 years**
- 5] Industry experience (if any in years): **3 years**
- 6] Number of teaching hours per week: **16 hours per week (including lectures, Tutorials, Practical, Project Supervision)**
- 7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet): **00/03**
Publications:

1. "Microwave-assisted synthesis of functionalized carbazoles via palladium-catalyzed aryl C-H activation and study of their interactions with calf-thymus DNA", Safiul Alam*, Rejaul Karim, Aminur Khan, Asifur Rahaman Mallick, Nayim Sepay and Soumen Ghosh, Synth. Commun. 2022, 52, 1834-1855. DOI: <https://doi.org/10.1080/00397911.2022.2116344>
2. "One-Pot Multicomponent Reaction: A Highly Versatile Strategy for the Construction of Valuable Nitrogen-Containing Heterocycles", Sibaji Nandi, Ramen Jamatia, Rajib Sarkar, Fillip Kumar Sarkar, Safiul Alam*, and Amarta Kumar Pal, ChemistrySelect 2022, 7, e202201901, 1 to 36. DOI: <https://doi.org/10.1002/slct.202201901>
3. "Copper-Catalyzed Preparation of Alkenylboronates and Arylboronates", Safiul Alam*, Rejaul Karim, Aminur Khan, Amarta Kumar Pal and Antoine Maruani, Eur. J. Org. Chem. 2021, 6115-6160. DOI: <https://doi.org/10.1002/ejoc.202100817>

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized):

00

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Hostel Management Committee, Aliah University (Memo No: AU/REG/0102/22, date: 04.03.2022)	Chairman	All activities related to Chairman of Hostel Management Committee: Looking after all hostel matters, Preparation of hostel admission list, Allotment of students to Boys' and Girls' hostels, e-NIT for Purchase of items, canteen service, Drafting of Rules & Regulations for hostels, etc.
Hostel Management Committee, Aliah University (Memo No: AU/REG/0340/21, date: 07.04.2021)	Vice-Chairman	Preparation of hostel admission list, Allotment of students to Boys' and Girls' hostels, e-NIT for hostel canteen service, etc.
University Bus Service Committee (Memo No: AU/REG/0112/22, date: 09.03.2022)	Member	Activities related to University Bus Service, Attending meetings, Preparing time schedule, etc.
Anti-Ragging Squad (Memo No: AU/REG/0248/22, date: 26.05.2022)	Convener	Visiting Ragging spots, Taking steps to stop ragging, Calling meetings, etc.

Internal Academic Audit (2021-22)

Anti-Ragging Committee (Memo No: AU/REG/0341/22, date: 13.07.2022)	Member	Attending meetings, Taking steps to stop ragging, etc.
University Canteen Committee (Memo No: AU/REG/0109/22, date: 07.03.2022)	Member	Attending meetings, Visiting university canteens, Preparing specification of e-tender for canteen service of University canteens, etc.
Departmental research Committee	Member	All activities related to Ph.D. including conducting admission test and interview.
Board of Studies, Department of Chemistry, (Memo No: AU/REG/0055A/21, date: 25.01.2021)	Member	Preparing UG and PG Syllabi for Organic Chemistry courses, Drafting CBCS syllabus structure, Syllabus for PhD course work.
Committee for the Coaching Centre for NET, SET & GATE Exam., (Memo No: AU/REG/0487/20, date: 09.09.2020)	Member	Attended meetings to prepare syllabus and other arrangements related to NET, SET & GATE Exam.
Review Committee, Aliah University, (Memo No: AU/REG/0733/20, date: 17.12.2020)	Member	Attended meetings to prepare to prepare the policy for hiring hostel to accommodate students.
PhD Admission Committee, Aliah University, (Memo No: AU/REG/0535/20, date: 29.09.2020)	Member	Attended meetings to prepare the Ph.D & M.Phil entrance application form, Screening online applications, conducting entrance exam., etc.
Committee for procurement of Low temp. bath instrument, Aliah University, (Memo No: AU/REG/1101/18, date: 10.12.2018)	Member	Attended meeting for the preparing Technical Specification for the instrument, Evaluation of e-Tender documents, etc.

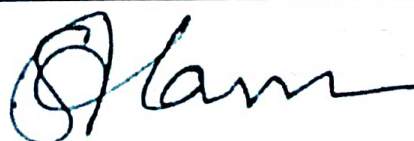
Committee for procurement of Rotary evaporator with pump & chiller, Microwave Synthesizer, and Flash Chromatography, Aliah University, (Memo No: AU/REG/1100/18, date: 10.12.2018)	Chairman	Conducting meeting for the preparing Technical Specification for the instruments, Evaluation of e-Tender documents, Techno-commercial meeting, etc.
Committee for procurement of HPLC instrument, Aliah University (Memo No: AU/REG/1099/18, date: 10.12.2018)	Member	Attended meeting for the preparing Technical Specification for the instrument, Evaluation of e-Tender documents, etc.

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
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Mustafa Jahir Raihan

- 1] Name: **Mustafa Jahir Raihan**
- 2] Designation: **Assistant Professor**
- 3] Qualification: **M.Sc, Ph. D**
- 4] Teaching experience (in years): **05 years**
- 5] Industry experience (if any in years): **Nil**

Internal Academic Audit (2021-22)

6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/ Study material developed during The academic year (provide list in separate sheet): **00/00**

8] Contribution to enrich quality of teaching-learning during the academic year: (Seminars/Workshops/lectures/field visits organized): **00**

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Expert Committee for the procurement of HRMS instrument (Memo No: AU/REG/1070/18, date: 30.11.2018)	Chairman	Meetings with experts and also with vendors, documentations for tendering
Expert Committee for the procurement of HPLC instrument (Memo No: AU/REG/1099/18, date: 10.12.2018)	Chairman	Meetings with experts and also with vendors, documentations for tendering
Board of Studies (Memo No: AU/REG/1189/17, date: 13.11.2017)	Member	Course curriculum related work
Departmental purchase committee ((Memo No: AU/REG/0819/18; dated 10-08-2018)	Member	Purchase related works
Departmental research Committee	Member	Activities related to Ph.D including conducting admission test and interview.
Convocation committee	Member	Meeting and related activities

10] Other responsibilities (Please specify, add rows if required):

1	
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	



Academic Practices

Academic Practices (for the academic year: 2021-22)

- 1] Total number of teaching-days in the academic year: **182**
- 2] Total number of permanent teaching staff: **08**
- 3] Total number of permanent teaching staff with PhD: **08**
- 4] Number of programmes offered (please specify): **03** (Three years B.Sc, Two Years M. Sc and Ph.D Program)
- 5] Number of sanctioned intake of students and

Number of actual admissions:

Programme	Sanctioned intake	Actual admissions
Three Years B.Sc	60	48
Two Years M. Sc	60	60
Ph.D Program	-	-

6] How many teaching members have attended Orientation Programme/ Refresher Course/ FDP/ Workshop/ Training Programme/ Research Methodology Course/ Capacity Building Programme etc.: **00**

7] Number of Orientation Programme/ Refresher Course/ FDP/ Workshop/ Training Programme/ Research Methodology Course/ Capacity Building Programme etc. organised by the department: **00**

8] Number of Training Programme/ Consultancy offered By the department: **00**

9] Number of academic collaborations made by the department: **00**

10] Innovative practices (please specify):

Teaching-Learning-Evaluation process (for the academic year: 2021-22)

- 1] Does teaching members participate in course designing? **No**
- 2] Does the department have a structured Board of Studies or similar academic body to design/ expand/ modify course content? **Yes**
- 3] Does the programme follow:
- a. CBCS structure **No**
 - b. Elective-based structure **Yes**
 - c. Any other, please specify
- 4] Does the department follow Academic Calendar implemented By the University? **Yes**
- 5] Use of Teaching-Learning tools/ platforms (Please specify)
- a. OHP **No**
 - b. LCD **Yes**
 - c. Interactive Boards **Yes**
 - d. LMS **No**
 - e. Any other
- 6] Use of ICT in Teaching-Learning-Evaluation
- a. e-books **Yes**
 - b. e-journals **Yes**
 - c. research database/ repositories **No**
 - d. IT enabled classroom **No**
 - e. Online assignment **No**
 - f. Online assessment **No**
 - g. Online feedback **No**
- 7] Weekly class hour per course (average): **04**
- 8] Whether remedial/ tutorial classes included in class routine? **Yes**
- 9] Does the programme offered has scope of Internship/ Project/ Field work/ Seminar presentation/ Industrial training? **Yes**
- 10] Does the department follow progressive evaluation of students? **Yes**
- 11] Number of students appeared and passed in the academic year:

Programme	Appeared	Passed out
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Three Years B.Sc	52	52
Two Years M. Sc	49	49
Ph.D Program		2

Research output (for the academic year: 2021-22)

- 1] Does the department offer MPhil/ PhD/ Post-Doctoral Programme: **Yes**
(Please specify):
- 2] Number of students/ scholars registered/ enrolled in MPhil/ PhD/ Post-Doctoral Programme (If the answer to Q1 is yes): **00**
- 3] Number of publications in refereed & peer-reviewed journals: **17**
- 4] Number of book/ edited-volume/ book-chapter published with ISBN: **00**
- 5] Number of patents registered: **Nil**
- 6] Number of revenue generating events (Consultancy, Training Programme, MDP/ EDP etc.): **Nil**
- 7] Number of Seminar/ Conference/ Workshop/ FDP etc organised at State/ National/ International level: **Nil**
- 8] Number of sponsored research projects:
a. Completed **00**
b. Ongoing **01**
- 9] Number of collaborative research projects:
a. Completed **00**
b. Ongoing **00**
- 10] Any innovative research initiative adopted and implemented (please specify): **N.A**

Infrastructure & facilities (departmental level)

- 1] Number of classrooms: **08**
- 2] Number of ICT-enabled classrooms: **01**

3] Number of laboratories:	06	
4] Availability of licensed software/ databases:	Yes	
5] Number of tutorial rooms:	01	
6] Number of seminar halls:	00	
7] Number of rooms for the teaching members:	03	
8] Number of computer/ printer/ scanner available:		
a. In laboratory	05	
b. In teachers' enclosure	09	
c. For Research scholars	16	
d. For Administrative purpose	02	
9] Whether Internet facility available in classrooms/ laboratory / teachers' enclosure?	Yes	
10] Whether reprographic facility available?	Yes	
11] Number of washroom facility (for male):	02	
12] Number of washroom facility (for female):		02
13] Presence of appropriate signage:	Yes	
14] Barrier free environment ensured?		Yes

Initiatives and Supplementation for Students:

1] Whether Mentorship (Teacher-driven) for students is in place?	Yes
2] Do the students participate in extra-academic activities and pursue Co-curricular activities?	Yes
3] Does the department arrange Industry-visit/ Industrial lecture/ Field-trips/ Excursions/ Archeological trips/ Exhibitions etc. for students?	Yes
4] Does the department arrange seminars/ workshops/ skill-development programmes etc. for students?	Yes
5] Does the department arrange programmes for the students focusing Soft-skill and Personality development?	Yes
6] Does the department have any Student Forum/ Club/ Chapter etc.?	No
7] Does the department have a students' feedback mechanism in place?	Yes
8] Are the students provided with Training and Placement support?	Yes

9] Do the students receive ICT-based teaching?

Yes

10] Can the students access digital resources offered by the University library?

Yes

11] Please indicate the number of students those have qualified for NET/SET/GATE/GMAT/SLET/WBCS/UPSC or any other Competitive Exam (for the specific period)

02

12] Please indicate the number of students those have progressed for higher studies (for the specific period)

01

13] Please indicate the number of students those were offered placements by the University (for the specific period).

07

Aliah University

Department of Chemistry

Academic Audit

Academic Year: 2022-2023

Md. Ahtamul Ah
11.09.2023

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11.09.2023

Aslam
11.09.2023

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11.09.2023

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11/9/23

Aslam
11.09.2023

Aslam
11/9/2023

The Academic Audit process of Aliah University focuses on four key functional areas:

1. Academic Management
2. Academic Practices
3. Infrastructure and supportive facilities
4. Initiatives and Supplementation

Academic Management

Information about HOD/ HOD (Officiating)

1] Name: **Md. Akhtarul Alam**

2] Designation: **Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **14 years**

5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **14 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/ **0/02**

Study material developed during

The academic year (provide list in separate sheet):

Publications :

1. Anamika Hoque, Md Sanaul Islam, Samim Khan, Basudeb Datta, Ennio Zangrando, Goutam Kumar Kole, Md. Akhtarul Alam "Crystallographic Elucidation of Aluminium Bound Amido Schiff Base Chemosensor: A Selective Turn-on Fluorescent Chemosensor for Al³⁺ ion" Dalton Trans., 2023, 52, 10145–10154.

2. Anamika Hoque, Md Sanaul Islam, Mukti Mohammad, Samim Khan, Md. Maidul Islam, Harun Al Rasid Gazi, Ennio Zangrando, Md. Akhtarul Alam "Synthesis, Structural Characterization of Dinuclear Copper(II) Complexes Based on Schiff base Derived Ligands and Their Impacts on DNA-binding Affinities" Inorganica Chimica Acta, 2023, 557, 121720.

8] Contribution to enrich quality of teaching-learning

during the academic year:

(Seminars/Workshops/lectures/field visits organized): **00**

9] Contribution to the growth and development of the University during the

academic year:

Committee	Position held	Work done/ Activity
HOD Chemistry (Memo No: AU/REG/0279/16, dated 20-03-2018)	Head of the Department	All activities related to head of the Department.
Student Identity Card Committee ((Memo No: AU/REG/0856/19; dated 30-08-2019)	Chairperson	All activities related to Student Identity card including
NAAC committee member ((Memo No: AU/REG/0200/21, dated 24-02-2021)	member	Discuss and support of criterion-V
Departmental research Committee	Chairperson	All activities related to Ph.D including

		conducting admission test and interview.
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10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

Md. Avertaul Alam

Information about Teaching Members (to be filled by individual Teaching member)

Md. Akhtarul Alam

1] Name: **Md. Akhtarul Alam**

2] Designation: **Professor**

3] Qualification: **M.Sc, Ph. D**

4] Teaching experience (in years): **14 years**

5] Industry experience (if any in years): **Nil**

6] Number of teaching hours per week: **14 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet): **00/02**

Publications:

1. Anamika Hoque, Md Sanaul Islam, Samim Khan, Basudeb Datta, Ennio Zangrando, Goutam Kumar Kole, Md. Akhtarul Alam "Crystallographic Elucidation of Aluminium Bound Amido Schiff Base Chemosensor: A Selective Turn-on Fluorescent Chemosensor for Al³⁺ ion" Dalton Trans., 2023, 52, 10145–10154.

2. Anamika Hoque, Md Sanaul Islam, Mukti Mohammad, Samim Khan, Md. Maidul Islam, Harun Al Rasid Gazi, Ennio Zangrando, Md. Akhtarul Alam "Synthesis, Structural Characterization of Dinuclear Copper(II) Complexes Based on Schiff base Derived Ligands and Their Impacts on DNA-binding Affinities" Inorganica Chimica Acta, 2023, 557, 121720.

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized):

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
HOD Chemistry (Memo No: AU/REG/0279/16, dated 20-03-2018)	Head of the Department	All activities related to head of the Department.
Student Identity Card Committee ((Memo No: AU/REG/0856/19; dated 30-08-2019)	Chairperson	All activities related to Student Identity card including
NAAC committee member ((Memo No: AU/REG/0200/21, dated 24-02-2021)	member	Discuss and support of criterion-V

Departmental research Committee	Chairperson	All activities related to Ph.D including conducting admission test and interview.
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10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared as HoD
---	--

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
---	--

Md. Avtarul Alam

Harun Al Rasid Gazi

- 1] Name: **Harun Al Rasid Gazi**
- 2] Designation: **ASSISTANT PROFESSOR**
- 3] Qualification: **M.Sc, Ph. D**
- 4] Teaching experience (in years): **14 years**
- 5] Industry experience (if any in years): **Nil**
- 6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, M.Sc Project Supervision)**
- 7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet): 01/05

Project:

1. Co-Principal Investigator -1 (CoPI -1): SERB Sure of worth ~ Rs. 29 lakhs (File No. SUR/2022/002964) under SERB, Govt. of India, Duration 3yrs

Publications

1. Mukti Mohammad, Ishita Saha, Kunal Pal, Parimal Karmakar, Prateek Pandya, Harun Al Rasid Gazi, and Md Maidul Islam. "A comparison on the biochemical activities of Fluorescein disodium, Rose Bengal and Rhodamine 101 in the light of DNA binding, antimicrobial and cytotoxic study." *Journal of Biomolecular Structure and Dynamics*, **2022**, 40 (20), 9848-9859.
2. Susmita Ghosh, Biplab Sarkar, Aznarul Islam, Pravat Kumar Shit, Adolfo Quesada-Román, and Harun Al Rasid Gazi. "Surface Water and Groundwater Suitability for Irrigation Based on Hydrochemical Analysis in the Lower Mayurakshi River Basin, India." *Geosciences* , **2022**, 12(11), 415.
3. Syed Ismattowaha Parvin, Md Kalimuddin Mandal, Priyanka Gopi, Shweta Singh, Mahammad Rizwan Khan, Prateek Pandya, Md Maidul Islam, and Harun Al Rasid Gazi. "A comparative study on DNA and protein binding properties of thymol and thymoquinone." *Journal of Biomolecular Structure and Dynamics*, **2023**, 1-13.
4. Md Kalimuddin Mandal, Mukti Mohammad, Syed Ismattowaha Parvin, Md Maidul Islam, and Harun Al Rasid Gazi. "A Short Review on Anticancer Phytochemicals." *Pharmacognosy Reviews*, **2023**, 17, 33.
5. Anamika Hoque, Md Sanaul Islam, Mukti Mohammad, Samim Khan, Md Maidul Islam, Harun Al Rasid Gazi, Ennio Zangrando, and Md Akhtarul Alam. "Synthesis, Structural Characterization of Dinuclear Copper (II) Complexes Based on Schiff base Derived Ligands and Their Impacts on DNA-binding Affinities." *Inorganica Chimica Acta*, **2023**, 557, 121720.

- 8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized):

01

Completed 8-day online **workshop on Gaussian Software (18-26 March, 2023)** organized by SIAS, Calicut University, Kerala

9) Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Departmental research Committee	Member	All activities related to Ph.D including conducting admission test and interview.
Departmental Syllabus Committee	Member	Preparation and updating of syllabi offered by Department
Departmental Lab equipments	Member	Finalisation of technical specification and assisting tender process.
Departmental Examination Committee	Member	All activities related to Examination
Board of studies, Department	Member	Look after the academic activity of the Department
Water Harvesting committee Memo NO. : AU/REG/0009/23	Member	Survey, Establish and maintain water Harvesting plant in the University

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared with HoD
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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
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[Handwritten Signature]
11.09.2023

Dr. Md. Maidul Islam

- 1] Name: **Dr. Md. Maidul Islam**
- 2] Designation: **ASSISTANT PROFESSOR**
- 3] Qualification: **M.Sc, M.Tech, Ph. D**
- 4] Teaching experience (in years): **14 years**
- 5] Industry experience (if any in years): **Nil**
- 6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, M.Sc Project Supervision)**
- 7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet): **00/10**
- Publications:**

1. Mukti Mohammad, Ishita Saha, Kunal Pal, Parimal Karmakar, Prateek Pandya, Harun Al Rasid Gazi, and Md Maidul Islam*. "A comparison on the biochemical activities of Fluorescein disodium, Rose Bengal and Rhodamine 101 in the light of DNA binding, antimicrobial and cytotoxic study." *Journal of Biomolecular Structure and Dynamics*, **2022**, 40 (20), 9848-9859.
2. Manjushree Bera, Manik Das, Malay Dolai, Soumik Laha, Md Maidul Islam, Bidhan Chandra Samanta, Arindam Das, Indranil Choudhuri, Nandan Bhattacharyya, and Tithi Maity. "DNA/Protein Binding and Apoptotic-Induced Anticancer Property of a First Time Reported Quercetin–Iron (III) Complex Having a Secondary Anionic Residue: A Combined Experimental and Theoretical Approach." *ACS omega*, **2022**, 8, 636-647.
3. Priyanka Gopi, Shweta Singh, Md Maidul Islam, Akankasha Yadav, Neelima Gupta, and Prateek Pandya. "Thermodynamic and structural profiles of multi-target binding of vinblastine in solution." *Journal of Molecular Recognition*, **2022**, 35, e2989.
4. Manik Das, Somali Mukherjee, Md Maidul Islam, Indranil Choudhuri, Nandan Bhattacharyya, Bidhan Chandra Samanta, Basudeb Dutta, and Tithi Maity. "Response of Ancillary Azide Ligand in Designing a 1D Copper (II) Polymeric Complex along with the Introduction of High DNA-and HAS-Binding Efficacy, Leading to Impressive Anticancer Activity: A Compact Experimental and Theoretical Approach." *ACS omega*, **2022**, 7, no. 27 23276-23288.
5. Rahaman, Sk Khalid, Mukti Mohammad, Rajibul Arif Laskar, Masoom Raza Siddiqui, Saikh Mohammad Wabaidur, Md Ataul Islam, Seikh Mafiz Alam, Faruk Ahmed, Md Maidul Islam, and Mohammad Hedayetullah Mir. "A muconate bridged bipyridyl appended binuclear Cu (II) complex reveals dissimilar affinities to DNA and BSA protein." *Polyhedron*, **2022**, 219 115813.
6. Dibyendu Satapathi, Manik Das, Karunamoy Rajak, Soumik Laha, Md Maidul Islam, Indranil Choudhuri, Nandan Bhattacharyya, Sinjan Das, Bidhan Chandra Samanta, and Tithi Maity. "Development of DNA intercalative, HSA binder pyridine-based novel Schiff base Cu (II), Ni (II) complexes with effective anticancer property: A combined experimental and theoretical approach." *Applied Organometallic Chemistry*, **2022**, 36, e6473.

7. Syed Ismattowaha Parvin, Md Kalimuddin Mandal, Priyanka Gopi, Shweta Singh, Mahammad Rizwan Khan, Prateek Pandya, Md Maidul Islam, and Harun Al Rasid Gazi*. "A comparative study on DNA and protein binding properties of thymol and thymoquinone." *Journal of Biomolecular Structure and Dynamics*, **2023**, 1-13.
8. Md Kalimuddin Mandal, Mukti Mohammad, Syed Ismattowaha Parvin, Md Maidul Islam*, and Harun Al Rasid Gazi*. "A Short Review on Anticancer Phytochemicals." *Pharmacognosy Reviews*, **2023**, 17, 33.
9. Anamika Hoque, Md Sanaul Islam, Mukti Mohammad, Samim Khan*, Md Maidul Islam*, Harun Al Rasid Gazi*, Ennio Zangrando*, and Md Akhtarul Alam*. "Synthesis, Structural Characterization of Dinuclear Copper (II) Complexes Based on Schiff base Derived Ligands and Their Impacts on DNA-binding Affinities." *Inorganica Chimica Acta*, **2023**, 557, 121720.
10. Taposi Chatterjee, Mukti Mohammad, Sakhiul Islam, Saikh Mohammad Wabaidur, Maria Christy, Md Maidul Islam, Mohammad Hedayetullah Mir, and Seikh Mafiz Alam. "Fabrication of a pyridyl appended linear Co (II) based coordination polymer: Structural insights and molecular docking." *Inorganica Chimica Acta*, **2023**, 552, 121493.

PhD Thesis: Mukti Mohammad submitted his thesis under my supervision

8] Contribution to enrich quality of teaching-learning during the academic year:

(Seminars/Workshops/lectures/field visits organized):

00

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Committee for Environmental Study	Cocordinator	Conduct the teaching of EVS
Placement Committee	Member	All placement related work
University Ethical Committee	Member	To obey the ethics in research related work
Biological Sciences Purchase Committee	Member	Activity related to purchasing Biological Sciences relating material
Departmental research Committee	Member	All activities related to Ph.D including conducting admission test and interview.
Departmental Syllabus Committee	Member	Preparation and updating of syllabi offered by Department
Departmental Lab equipments	Member	Finalisation of technical specification and assisting tender process.
Board of studies, Department	Member	Look after the academic activity of the Department
Departmental Examination Committee	Member	All activities related to Examination

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared with HoD
---	--

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
2	Section In Charge of Medicinal Chemistry

M. J. G. L.
11/9/23

Md. Hedayetullah Mir

- 1] Name: **Md. Hedayetullah MIR**
- 2] Designation: **Assistant Professor**
- 3] Qualification: **M.Sc, Ph. D**
- 4] Teaching experience (in years): **13 years**
- 5] Industry experience (if any in years): **Nil**
- 6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/ Study material developed during The academic year (provide list in separate sheet): **02/20**

Project:

1. Principal Investigator (PI): Core Research Grant (CRG) of worth Rs. 28.74 lakhs (File No. CRG/2022/001842 Dated 19/12/2022) under SERB, Govt. of India, Duration 3yrs
2. Principal Investigator (PI): Collaborative Research Scheme (CRS) project of worth Rs. 1.35 Lakhs (Grant No. CRS/2021-22/02/538 Dated 30/03/2022) under UGC-DAE CSR, Govt. of India, Duration 3 yrs

Publications:

1. S. Khan, B. Dutta, S. Naaz, A. Choudhury, P.-A. Cazade, E. Kiely, S. Guerin,* R. Medishetty,* and M. H. Mir* "Regulating photosensitive behavior in dynamic metal-organic crystals" *Commun. Chem.* **2023**, *6*, 150 (*Nature Portfolio*). **Highlighted in Anandabazar Patrika**
2. T. Chatterjee, M. Mohammad, S. Islam, S. M. Wabaidur, M. Christy, M. M. Islam,* M. H. Mir*, S. M. Alam* "Fabrication of a pyridyl appended linear Co(II) based coordination polymer: Structural insights and molecular docking" *Inorg. Chim. Acta* **2023**, *552*, 121493.
3. Akhtaruzzaman, S. Khan, B. Dutta, T. S. Kannan, G. K. Kole* and M. H. Mir* "Cocrystals for photochemical solid-state reactions: An account on crystal engineering perspective" *Coord. Chem. Rev.* **2023**, *483*, 215095 (**Review Article**).
4. S. J. Rahaman, A. Samanta, M. H. Mir* and B. Dutta* "Metal-Organic Frameworks (MOFs): A Promising Candidate for Stimuli-Responsive Drug Delivery" *ES Mater. Manuf.*, **2023**, *19*, 1-15 (**Invited Article**).
5. S. Naaz, P. Das, S. Mukherjee, S. Khan, G. Pramanik, P. Ghosh, A. Frontera,* P. P. Ray* and M. H. Mir* "Exploration of Cl...Cl and π ... π stacking contacts along with conductivity properties of a Cu-MOF featured with paddle-wheel SBUs" *CrytEngCom* **2023**, *25*, 813-821 (**Invited Article**).
6. B. Dutta, D. Das, K. Raksha, C. Sinha, S. Khanra,* P. P. Ray and M. H. Mir* "Improved electrical conductivity of Co(II) and Cu(II) ladder polymers in the fabrication of photoresponsive Schottky devices" *Mater. Adv.* **2023**, *4*, 215-222.
7. S. K. Rahaman, T. Chatterjee, B. Dutta, G. Pramanik, S. M. Wabaidur, E. A. Al-Ammar, M. Christy, M. H. Mir* and S. M. Alam* "Fabrication of a parallel interpenetrating 2D

- hydrogen-bonded zig-zag Zn(II) coordination polymer: characterization and band gap study" *J. Mol. Struct.* **2023**, *1276*, 134682.
8. T. Chatterjee, E. Hossain, S. Khan, S. Roy, S. M. Wabaidur, M. A. Islam, S. M. Alam* and M. H. Mir* "Construction of a photoluminescent Zn(II)-based 2D MOF via *in situ cis-trans* isomerization of *cis,cis*-muconate ligand" *J. Mol. Struct.* **2023**, *1271*, 134011.
 9. S. Naaz, P. Das, S. Khan, B. Dutta, S. Roy, A. Frontera,* P. P. Ray* and M. H. Mir* "Cu(II)-Based Molecular Hexagons forming 3D Honeycomb-like Network and Exhibit High Electrical Conductivity" *Inorg. Chem.*, **2022**, *61*, 18828-19837.
 10. S. Khan, S. Naaz, A. Ekka, B. Dutta, S. Roy, R. Medishetty* and M. H. Mir* "Photomechanical effect in Zn(II) and Cd(II) 1D coordination polymers: photosalient to non-salient behaviour" *Chem. Commun.* **2022**, *58*, 12102–12105.
 11. B. Dutta, F. Ahmed* and M. H. Mir* "Halogen···Halogen Interactions in the Context of Coordination Polymers: A Superior Design Element for Potential Applications" *Cryst. Growth Des.* **2022**, *22*, 6366–6378 (Invited Perspective Article)
 12. B. Dutta, S. Naaz, T. Chatterjee, S. M. Wabaidur, M. D. Albaqami, R. G. Alotabi, M. A. Islam, S. M. Alam* and M. H. Mir* "3D supramolecular assembly of Cu(II) CP containing 1D zig-zag chain and 2D paddle-wheel net: Structural elucidation and investigation of band gap" *Inorg. Chim. Acta* **2022**, *543*, 121206.
 13. B. Dutta, K. Debsharma, S. Dey, S. Naaz, C. Sinha* and M. H. Mir* "Designing of Interdigitated Coordination Polymer for Fluorogenic Sensing of Pd(II) in Water with Reversible Non-phase Mechanochromism" *Adv. Mater. Interfaces* **2022**, *9*, 2201120.
 14. S. Bera, B. Dutta, D. Mandal, C. Sinha, and M. H. Mir* "A Dual Functional 2D MOF Exhibiting Rare Photosalient Effect as well as Selective Pd(II) Sensing in Aqueous Medium" *Inorg. Chem.* **2022**, *61*, 13244-13249.
 15. S. Naaz, P. Das, A. Frontera, B. Dutta, S. Khan, P. P. Ray, and M. H. Mir* "Halogen···Halogen and π -Hole Interactions in Supramolecular Aggregates and Electrical Conductivity Properties of Cu(II)-Based 1D Coordination Polymers" *Cryst. Growth Des.* **2022**, *22*, 5189–5197 (Invited Article for "Virtual Special Issue" on Emerging Investigators 2022).
 16. S. Khan, T. Chatterjee, M. Sk, M. R. Siddiqui, S. M. Wabaidur, M. A. Islam, S. M. Alam* and M. H. Mir* "*cis, cis*-Muconato bridged Cd(II) based linear trinuclear SBUs forming 2D MOF: Synthesis, crystal structure, Hirshfeld analysis and photoluminescence study" *Polyhedron* **2022**, *222*, 115901.
 17. G. K. Kole* and M. H. Mir* "Isolation of elusive cyclobutane ligands via template assisted photochemical [2+2] cycloaddition reaction and their utility in engineering crystalline solids" *CrysEngComm* **2022**, *44*, 3993-4007 (Highlight).
 18. B. Dutta, S. Bera, C. Sinha, and M. H. Mir* "Sunlight-Induced In Situ Isomerization of Both Ligands in a Mixed-Ligand Coordination Polymer: From Photosalient to Photoinert Crystals" *Chem. Eur. J.* **2022**, *28*, e202200489.
 19. B. Dutta, A. Hazra, S. Datta, C. Sinha, P. Banejee,* M. H. Mir* "In Situ *Trans-Cis* Isomerization of Naphthylvinylpyridine Ligand in a Zinc(II) Coordination Polymer: Liquid and Vapor Phase Sensing of Mutagenic Pollutants and Nitroexplosives" *ACS Appl. Polym. Mater.* **2022**, *4*, 2841–2850.
 20. B. Dutta,* S. Bera, G. Bairy, M. Shit, S. Khanra, C. Sinha and M. H. Mir,* "Exploitation of a Series of Zn(II)-Coordination Polymers for Pd(II)- Detection in Aqueous Medium" *ES Energy Environ.* **2022**, *16*, 74-81 (Invited Article).

8] Contribution to enrich quality of teaching-learning during the academic year:
(Seminars/Workshops/lectures/field visits organized):

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Routine Committee	Member	All activities related to finalize the common and departmental routine.
Departmental research Committee	Convener	All activities related to Ph.D including conducting admission test and interview.
Departmental purchase Committee	Member	All activities related to purchase of instruments in the department.
Member Institution-Industry Cell	Member	All activities related to Institution-Industry collaboration.
Member University web page design	Member	All activities related to University web page design.

10] Other responsibilities (Please specify, add rows if required):

1	NII
2.	NII

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
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Handwritten signature and date:
11.09.2023

Seikh Mafiz Alam

- 1] Name: Seikh Mafiz Alam
 2] Designation: Assistant Professor
 3] Qualification: M.Sc, Ph. D
 4] Teaching experience (in years): **13 years**
 5] Industry experience (if any in years): Nil
 6] Number of teaching hours per week: 16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)

7] Number of Research Projects/Publications/
 Study material developed during
 The academic year (provide list in separate sheet):
 Publications: **00/04**

1. T. Chatterjee, B. Dutta, R. Roy, M. R. Siddiqui, S. M. Wabaidur, M. A. Islam, F. Ahmed, S. M. Alam, and M. H. Mir "Cu(II) based 1D zig-zag coordination polymer: X-ray structure determination and DFT study" *Inorg. Chim. Acta*, 2022, 536, 120894.
2. T. Chatterjee, M. Mohammad, S. Islam, S. M. Wabaidur, M. Christy, M. M. Islam, * M. H. Mir, S. M. Alam * "Fabrication of a pyridyl appended linear Co(II) based coordination polymer: Structural insights and molecular docking" *Inorg. Chim. Acta* **2023**, 552, 121493.
3. S. K. Rahaman, T. Chatterjee, B. Dutta, G. Pramanik, S. M. Wabaidur, E. A. Al-Ammar, M. Christy, M. H. Mir* and S. M. Alam* "Fabrication of a parallel interpenetrating 2D hydrogen-bonded zig-zag Zn(II) coordination polymer: characterization and band gap study" *J. Mol. Struct.* **2023**, 1276, 134682.
4. T. Chatterjee, E. Hossain, S. Khan, S. Roy, S. M. Wabaidur, M. A. Islam, S. M. Alam* and M. H. Mir* "Construction of a photoluminescent Zn(II)-based 2D MOF via *in situ cis-trans* isomerization of *cis,cis*-muconate ligand" *J. Mol. Struct.* **2023**, 1271, 134011.

8] Contribution to enrich quality of teaching-learning during the academic year:
 (Seminars/Workshops/lectures/field visits organized): **00**

9] Contribution to the growth and development of the University during the academic year:

Committee	Position held	Work done/ Activity
Departmental Examination Committee	Member	Participated in conducting examinations in the Department
Expert of PhD thesis evaluation	Expert	Acted as Expert in the evaluation of PhD thesis of a doctoral student

10] Other responsibilities (Please specify, add rows if required):

1	
2.	

11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	
2	

BR
11/9/23

Nasima Yasmin

- 1] Name: **Nasima Yasmin**
 2] Designation: **Assistant Professor**
 3] Qualification: **M.Sc, Ph. D**
 4] Teaching experience (in years): **12 years**
 5] Industry experience (if any in years):
 6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/ 00

Study material developed during
 The academic year (provide list in separate sheet):
 8] Contribution to enrich quality of teaching-learning
 during the academic year:
 (Seminars/Workshops/lectures/field visits organized): 00

9] Contribution to the growth and development of the
 University during the academic year:

Committee	Position held	Work done/ Activity
Board of Studies, Department of Chemistry	Member	All activities related to drafting of syllabus.
Grievance Redressal Cell Memo No: AU/REG/0250/21	Member	All activities related to sort out grievances of students

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared with HoD
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11] Best Practices in teaching & academic-administration introduced in the
 department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
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Nasima
11/9/23

Dr. Safiul Alam

- 1] Name: **Dr. Safiul Alam**
- 2] Designation: **Assistant Professor**
- 3] Qualification: **M. Sc., Ph. D.**
- 4] Teaching experience (in years): **12 years**
- 5] Industry experience (if any in years): **3 years**
- 6] Number of teaching hours per week: **16 hours per week (including lectures, Tutorials, Practical, Project Supervision)**
- 7] Number of Research Projects/Publications/
Study material developed during
The academic year (provide list in separate sheet):
Publications: **00/00**
- 8] Contribution to enrich quality of teaching-learning
during the academic year:
(Seminars/Workshops/lectures/field visits organized): **00**
- 9] Contribution to the growth and development of the
University during the academic year:

Committee	Position held	Work done/ Activity
Hostel Management Committee, Aliah University (Memo No: AU/REG/0229/21, date: 01.03.2021)	Vice-Chairman	Preparation of hostel admission list, Allotment of students to Boys' and Girls' hostels, e-NIT for hostel canteen service, etc.
Departmental research Committee	Member	All activities related to Ph.D. including conducting admission test and interview.
Board of Studies, Department of Chemistry, (Memo No: AU/REG/0055A/21, date: 25.01.2021)	Member	Preparing UG and PG Syllabi for Organic Chemistry courses, Drafting CBCS syllabus structure, Syllabus for PhD course work.
Committee for the Coaching Centre for NET, SET & GATE Exam., (Memo No: AU/REG/0487/20,	Member	Attended meetings to prepare syllabus and other arrangements related to NET, SET & GATE Exam.

date: 09.09.2020)		
Review Committee, Aliah University, (Memo No: AU/REG/0733/20, date: 17.12.2020)	Member	Attended meetings to prepare to prepare the policy for hiring hostel to accommodate students.
PhD Admission Committee, Aliah University, (Memo No: AU/REG/0535/20, date: 29.09.2020)	Member	Attended meetings to prepare to prepare the PhD & MPhil entrance application form, Screening online applications, conducting entrance exam., etc.
Committee for procurement of Low temp. bath instrument, Aliah University, (Memo No: AU/REG/1101/18, date: 10.12.2018)	Member	Attended meeting for the preparing Technical Specification for the instrument, Evaluation of e-Tender documents, etc.
Committee for procurement of Rotary evaporator with pump & chiller, Microwave Synthesizer, and Flash Chromatography, Aliah University, (Memo No: AU/REG/1100/18, date: 10.12.2018)	Chairman	Conducting meeting for the preparing Technical Specification for the instruments, Evaluation of e-Tender documents, Techno-commercial meeting, etc.
Committee for procurement of HPLC instrument, Aliah University (Memo No: AU/REG/1099/18, date: 10.12.2018)	Member	Attended meeting for the preparing Technical Specification for the instrument, Evaluation of e-Tender documents, etc.

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared with HoD
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11) Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
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Blam
11.09.23

Mustafa Jahir Raihan

- 1] Name: **Mustafa Jahir Raihan**
 2] Designation: **Assistant Professor**
 3] Qualification: **M.Sc, Ph. D**
 4] Teaching experience (in years): **06 years**
 5] Industry experience (if any in years): **Nil**
 6] Number of teaching hours per week: **16 hrs per week (including lectures, Tutorials, Practical, Project Supervision)**

7] Number of Research Projects/Publications/
 Study material developed during
 The academic year (provide list in separate sheet): **01/00**

8] Contribution to enrich quality of teaching-learning
 during the academic year:
 (Seminars/Workshops/lectures/field visits organized): **00**

9] Contribution to the growth and development of the
 University during the academic year:

Committee	Position held	Work done/ Activity
Board of Studies (Memo No: AU/REG/1189/17, date: 13.11.2017)	Member	Course curriculum related work
Departmental purchase committee ((Memo No: AU/REG/0819/18; dated 10-08-2018)	Member	Purchase related works
Departmental research Committee	Member	Activities related to Ph.D including conducting admission test and interview.

10] Other responsibilities (Please specify, add rows if required):

1	Regular responsibilities shared with HoD
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11] Best Practices in teaching & academic-administration introduced in the department in the academic year (Please specify, add rows if required):

1	Infrastructure improvement of the Chemistry laboratories
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[Signature]
11.09.2023

Academic Practices

Academic Practices (for the academic year: 2022-23)

- 1] Total number of teaching-days in the academic year: **180**
- 2] Total number of permanent teaching staff: **08**
- 3] Total number of permanent teaching staff with PhD: **08**
- 4] Number of programmes offered (please specify): **03 (Three years B.Sc, Two Years M. Sc and Ph.D Program)**

5] Number of sanctioned intake of students and

Number of actual admissions:

Programme	Sanctioned intake	Actual admissions
Three Years B.Sc	60	30
Two Years M. Sc	60	58
Ph.D Program	-	4

6] How many teaching members have attended Orientation Programme/ Refresher Course/ FDP/ Workshop/ Training Programme/ Research Methodology Course/ Capacity Building Programme etc.: **00**

7] Number of Orientation Programme/ Refresher Course/ FDP/ Workshop/ Training Programme/ Research Methodology Course/ Capacity Building Programme etc. organised by the department: **00**

8] Number of Training Programme/ Consultancy offered By the department: **00**

9] Number of academic collaborations made by the department: **00**

10] Innovative practices (please specify):

Teaching-Learning-Evaluation process (for the academic year: 2022-23)

- 1] Does teaching members participate in course designing? **No**
- 2] Does the department have a structured Board of Studies or similar academic body to design/ expand/ modify course content? **Yes**
- 3] Does the programme follow:
a. CBCS structure **No**

- b. Elective-based structure **Yes**
 c. Any other, please specify
- 4] Does the department follow Academic Calendar implemented By the University? **Yes**
- 5] Use of Teaching-Learning tools/ platforms (Please specify)
 a. OHP **No**
 b. LCD **Yes**
 c. Interactive Boards **Yes**
 d. LMS **No**
 e. Any other
- 6] Use of ICT in Teaching-Learning-Evaluation
 a. e-books **Yes**
 b. e-journals **Yes**
 c. research database/ repositories **No**
 d. IT enabled classroom **No**
 e. Online assignment **No**
 f. Online assessment **No**
 g. Online feedback **No**
- 7] Weekly class hour per course (average): **04**
- 8] Whether remedial/ tutorial classes included in class routine? **Yes**
- 9] Does the programme offered has scope of Internship/ Project/ Field work/ Seminar presentation/ Industrial training? **Yes**
- 10] Does the department follow progressive evaluation of students? **Yes**
- 11] Number of students appeared and passed in the academic year:

Programme	Appeared	Passed out
Three Years B.Sc	35	35
Two Years M. Sc	50	50
Ph.D Program		2

Research output (for the academic year: 2022-23)

- 1] Does the department offer MPhil/ PhD/ Post-Doctoral Programme: **Yes**
 (Please specify):
- 2] Number of students/ scholars registered/ enrolled in MPhil/ PhD/ Post-Doctoral Programme (If the answer to Q1 is yes): **00**

3] Number of publications in refereed & peer-reviewed journals:	27
4] Number of book/ edited-volume/ book-chapter published with ISBN:	00
5] Number of patents registered:	Nil
6] Number of revenue generating events (Consultancy, Training Programme, MDP/ EDP etc.):	Nil
7] Number of Seminar/ Conference/ Workshop/ FDP etc organised at State/ National/ International level:	Nil
8] Number of sponsored research projects:	00
a. Completed	02
b. Ongoing	
9] Number of collaborative research projects:	00
a. Completed	00
b. Ongoing	
10] Any innovative research initiative adopted and implemented (please specify):	N.A

Infrastructure & facilities (departmental level)

1] Number of classrooms:	08
2] Number of ICT-enabled classrooms:	01
3] Number of laboratories:	06
4] Availability of licensed software/ databases:	Yes
5] Number of tutorial rooms:	01
6] Number of seminar halls:	00
7] Number of rooms for the teaching members:	03
8] Number of computer/ printer/ scanner available:	
a. In laboratory	05
b. In teachers' enclosure	09
c. For Research scholars	16
d. For Administrative purpose	02
9] Whether Internet facility available in classrooms/ laboratory / teachers' enclosure?	Yes

10] Whether reprographic facility available?	Yes
11] Number of washroom facility (for male):	02
12] Number of washroom facility (for female):	02
13] Presence of appropriate signage:	Yes
14] Barrier free environment ensured?	Yes

Initiatives and Supplementation for Students:

1] Whether Mentorship (Teacher-driven) for students is in place?	Yes
2] Do the students participate in extra-academic activities and pursue Co-curricular activities?	Yes
3] Does the department arrange Industry-visit/ Industrial lecture/ Field-trips/ Excursions/ Archeological trips/ Exhibitions etc. for students?	Yes
4] Does the department arrange seminars/ workshops/ skill-development programmes etc. for students?	Yes
5] Does the department arrange programmes for the students focusing Soft-skill and Personality development?	Yes
6] Does the department have any Student Forum/ Club/ Chapter etc.?	No
7] Does the department have a students' feedback mechanism in place?	Yes
8] Are the students provided with Training and Placement support?	Yes
9] Do the students receive ICT-based teaching?	Yes
10] Can the students access digital resources offered by the University library?	Yes
11] Please indicate the number of students those have qualified for NET/SET/GATE/GMAT/SLET/WBCS/UPSC or any other Competitive Exam (for the specific period)	02
12] Please indicate the number of students those have progressed for higher studies (for the specific period)	01
13] Please indicate the number of students those were offered placements by the University (for the specific period).	07