

Department of Biochemical Engineering and Biotechnology
Minutes of DRC Meeting N0 02/2018-2019

13th Sept 2018

The second meeting of *Departmental Research Committee* (DRC) for the academic session 2018-2019 was held on **Thursday, Sept 13, 2018 at 3.30 pm** in the Committee Room (I-230) of the Department.

The following members were present:

Prof. T. R. Sreekrishnan (*Chairperson*)
Prof. Saroj Mishra
Prof. Atul Narang
Prof. Prashant Mishra
Prof. Ritu Kulshreshtha
Prof. Preeti Srivastava
Prof. Z. Ahammad
Prof. Ashish Misra
Prof. Shilpi Sharma (*Convenor*)

1. To confirm the minutes of the 1st meeting of the DRC for the session 2018-2019 held on 25th July 2018, and minutes of special DRC dated 2nd Aug 2018.

The minutes of 1st meeting of the DRC for the session 2018-2019 held on 25th July 2018, and minutes of special DRC dated 2nd Aug 2018 were confirmed as circulated.

2. To report the matters arising from minutes of Meeting No. 02/2018-2019 and special DRC meeting, and action taken.

1st DRC meeting, Item No 6: Regarding application of foreign student, Mr. Amar Al Ansi for Ph.D. under TWAS-DBT Fellowship Program, the Ph.D. Coordinator apprised the board that the applicant does not meet the eligibility criteria for the programme, hence he was intimated accordingly.

1st DRC meeting (2018-19), Item No 10a: It was decided that all the members of DRC will be a part of the evaluation committee for MTP students.

7th DRC meeting (2017-18), Item No. 6: In response to Prof Sundar's query regarding feedback on newly designed syllabus for departmental comprehensive examination, the sub-committee was requested to perform a thorough mapping of topics covered in prescribed pre-PhD courses, with the syllabus for the exam, and modify the syllabus accordingly, if required.

(Action: Sub-committee for new format of comprehensive exam)

3. Synopsis of Ph.D. theses of following students:

Name	Entry No	Title of thesis
Jaspreet K. Dhanjal	2013BEZ8509	Computational insights into CRISPR-Cas9 system for improved genome editing
Moolchand	2012BEZ8550	Enhancing secretory expression of Granulocyte Colony-Stimulating Factor in <i>Pichia pastoris</i> using genetic approaches
Nitu Maity	2015BEZ8502	Molecular and bioprocess intervention for enhanced production of human serum albumin

		in <i>Pichia pastoris</i>
Richa Sharma	2013BEZ8026	Efficacy and Risk Assessment of Bioinoculants on <i>Cajanus cajan</i>

The Committee discussed and approved the synopsis submitted by the Ph.D. students Jaspreet K. Dhanjal, Moolchand, Nitu Maity and Richa Sharma. The Committee also approved the panel of Examiners and authorized the Chairman to forward the same to Dean (Academics).

(Action: 1 Thesis Supervisors to send the following documents to the DRC Convener: (a) Filled-in form for Ph.D. synopsis submission & Appointment of Examiners (b) 2 hard copies of the Synopsis and (c) soft copy of the Synopsis by email)

(Action 2: Upon receipt of the above documents, Chairman DRC to forward it to Dean-Academics)

4. Request received from Ph.D. student Siddhi S. (Entry No 2013BEZ8029) for extension of Ph.D registration and fellowship for a period of 6 months

The Committee decided to forward the registration of the student beyond 5 years, and an extension of fellowship for the period. Siddhi is required to register for the DTD899 doctoral thesis course in the new semester and the requirement of submitting progress report each semester along with the recommendations of the Supervisor/SRC will continue until the thesis is submitted.

5. Plan of Work of Ph.D. student Jyoti Sharma (2015BEZ8503)

The Plan of Work of Ph.D. student Jyoti Sharma was discussed, and approved on the basis of recommendations by the members of SRC.

(Action: Chairman DRC to forward the Form w/ enclosures to Dean - Academics)

6. Plan of Work of M.S.(Res) students:

Name	Entry No	Title of project
Shubham Dubey	2017BEY7534	Mitigating salt stress in <i>Vigna radiata</i> by engineering of rhizosphere
Mansi Arora	2017BEY7533	Improving biodesulfurization using recombinant bacteria

The Plan of Work of M.S.(Res) students Shubham Dubey and Mansi Arora were discussed, and approved on the basis of recommendations by the members of SRC.

(Action: Chairman DRC to forward the Form w/ enclosures to Dean - Academics)

7. Allotment of MTP topic to Tanuj Kumar (2009BB50033)

Prof Atul Narang was assigned as supervisor for MTP of Tanuj Kumar. Supervisor is requested to communicate the title to MTP Coordinator and DRC Convenor.

8. Fellowship for doctoral student Mr Gautam Anand (2013BEZ8024)

Prof Shilpi Sharma's request of fellowship support to her Ph.D. student, Gautam Anand (2013BEZ8024), from her project was forwarded.

9. Request received from Ph.D. student Navaneethan R. (2017BEZ8438) for activation of DBT-BINC fellowship

Ph.D. student, Navaneethan's request for conversion of Ph.D. status from Part Time to Full time was approved for forwarding, in view of his selection for the award of Bioinformatics National Certification (BINC) Fellowship.

10. Allotment of topics to 2018 entry Ph.D. and M.S.(Res) students

Based on the choices submitted by the Ph.D. students the Committee approved the allotment of projects to the Semester I, 2018-19 entry Ph.D. as follows:

Name (Entry No)	Topic	Supervisor
Kritika Narula (2018BEZ8239)	Design and development of aptamer and their gold conjugates for rapid detection of pathogenic bacteria	Prof. P. Mishra
Garima Yadav (2018BEZ8241)	Investigating the role of long non-coding RNAs in glioblastoma	Prof. R. Kulshreshtha
Sakshi (2018BEZ8243)	Metabolic engineering of a microbial host for the production of compounds of human importance	Prof. A. Misra

The respective supervisors are required to submit requests to DRC for constitution of SRC.

It was decided to initiate the process of collecting choices from Semester I, 2018-19 entry M.S.(Res) students from the list of topics available for allotment.

(Action: M.S.(Res) Coordinator)

11. Nomination for BOSS award

As per intimation from UG Section, regarding suspension of Ujjal Jiwan Charitable Trust Award for the year, no nomination were considered for the same.

The Committee recommended that the nomination of Mr. Bijjiga Jayaram (2013BB50005) to be forwarded to Dean (Academics) for favourable consideration.

(Action: Head of the Department)

12. Request for new topic by Ph.D. student, Deepchandra Joshi (2018BEZ8240)

Based on the request by Ph.D. student, Deepchandra Joshi, Prof Sreekrishnan was requested to float a project for due consideration by DRC.

13. Request received from Prof. R. Elangovan regarding SRC composition of his doctoral student Ms Shefali Singh, and M.S.(Res) student Jagat Narayan Prajapati

Chairperson for SRC of students under the mentorship of Prof Elangovan were assigned as follows:

Name and Entry Number of student	Chairperson for SRC
Shefali Singh 2016BEZ8558	Prof. R. Kulshreshtha
Sneha Kumari 2017BEZ8289	Prof. P. Srivastava
Jagat Narayan Prajapati 2017BEY7501	Prof. P. Srivastava

14. To report the matters for ratification by the DRC

(a) Project proposal submitted by departmental faculty

S. No	Project Title	Project Investigator	Funding Agency
1	Engineered bioremediation approaches for onsite remediation of PAH contaminated soil*	Prof P. Srivastava	DBT

2	p53 in regulation of Epithelial-Mesenchymal Transition in breast cancer: role of micro-RNA	Prof R. Kulshreshtha	DST
---	--	----------------------	-----

The above projects were circulated to members (*change of title as requested by the Investigator), since no specific comments were received from the members on the proposal, the project was forwarded to Dean IRD and item was ratified in DRC.

(b) Research Scholar Travel Award application by Ph.D. students

Research Scholar Travel Award applications of following students were recommended to be forwarded to Dean Academics:

S. No	Name	Entry Number	Conference
1	Pooja Murarka	2014BEZ8265	2018 Molecular Genetics of Bacteria and Phages Meeting, Wisconsin, 6.8.18-10.8.18
2	Vidhi Malik	2014BEZ8267	Advanced training in Biotechnology under DAILAB star programme, 1.10.18-28.12.18

15. Any other item with the permission of Chair

- Prof Prashant Mishra was inducted in MTP evaluation committee for Naresh Meena (2013BB50023), together with other committee members (Prof. Saroj Mishra and Prof. Sunil Nath).
- Ph.D. student, Divya Singhi's request for conversion of Ph.D. status from Part Time to Full time was approved for forwarding, in view of her qualifying CSIR-SRF fellowship.
- The committee acknowledged the concern raised by Prof Sundar (vide his email dated 30th July 2018) regarding the high rate of attrition amongst department doctoral students. It was decided to take up the issue in DFB meeting to evolve strategies for improving the state of affairs.

The meeting ended with thanks to all members.

Shilpi Sharma
Convenor, DRC

Distribution

All DRC members and other DBEB faculty (by email)