

Department of Biochemical Engineering and Biotechnology
Minutes of DRC meeting
(DRC-08/2018-2019)

18th July 2019

The eighth meeting of *Departmental Research Committee* (DRC) for the academic session 2018-2019 was held on **18th July 2019** at 11.00 am in the Committee Room (I-230) of the Department.

The following members were present:

Prof T. R. Sreekrishnan (*Chairperson*)

Prof Atul Narang

Prof Saroj Mishra

Prof A. K. Srivastava

Prof Prashant Mishra

Prof D. Sundar

Prof Ritu Kulshreshtha

Prof Preeti Srivastava

Prof R. Elangovan

Prof Z. Ahammad

Prof Ashish Misra

Prof Lucinda E. Doyle (*Invitee*)

Prof Shilpi Sharma (*Convenor*)

1. To confirm the minutes of the 7th meeting of the DRC for the session 2018-2019 held on 20th May 2019.

The minutes of 7th meeting of DRC for the session 2018-2019 held on 20th May 2019 were confirmed as circulated, with the following modification:

Item No 7: Project floated by Prof. D. Sundar, Computational analysis of DNA-binding and cleavage by genome editing proteins, listed as S. No 10 in Annexure I of the DRC minutes (DRC-07/2018-2019) is open for both Ph.D. and M.S.(Res) students.

2. To report the matters arising from minutes of Meeting No. 07/2018-2019

None

3. Synopsis of following students:

Name of student (Entry No.)	Programme	Topic of thesis
Sonam Takkar (2013BEZ 8030)	Ph.D.	Unravelling the role of microRNAs in hypoxia
Anubha Shukla (2017BEY7502)	M.S.(Res)	Investigating the role of mediator complex subunit, MED30, in Glioblastoma

The Committee discussed and approved the synopsis submitted by Sonam Takkar (Ph.D.) and Anubha Shukla (M.S.Res). The Committee also approved the panel of Examiners and authorized the Chairman to forward the same to Dean (Academics).

(Action: Theses 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)

4. Paper II and Oral comprehensive examination (Plan of Work) for following Ph.D. students:

Name of student (Entry No.)	Topic of Ph.D.	Date of Paper II	Date of Oral comprehensive exam
Navaneethan R. (2017BEZ8438)	Big data based leads for drug development from traditional home medicine	4th July 2019	16th July 2019
Shubham Dubey (2017BEZ7534)	Mitigating salt stress in <i>Vigna radiata</i> by engineering of rhizosphere	8th July 2019	10th July 2019

Navaneethan's request for extension of the deadline for completion of his Oral comprehensive examination by one month (till July 2019) was considered favourably.

The dates for Paper II of written comprehensive examination for Ph.D. students Navaneethan R. and Shubham Dubey were noted. Plan of Work for the two students 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)

5. Request for MTP-II topic by Ekatmika (2013BB50014)

Ekatmika was allotted the topic "Treatment of Indigo Carmine and other dyes using engineered laccase of *Cyathus bulleri*" under the supervision of Prof Saroj Mishra for MTP Part 2.

6. Allotment of topics to Ph.D. and M.S.(Res) students (Entry Sem I, 2019-2020)

The board decided to seek new topics from faculty members, and consider them approved in case no comments are received upon circulation. The topics (together with earlier approved list of topics) will be floated for students by 30th July 2019 by Ph.D. coordinator. The deadline for submission of preferences by students was finalised as 30th September 2019.

7. To report the matters for ratification by the DRC

(a) Project proposals submitted by departmental faculty

S. No	Project Title	Project Investigator	Funding Agency
1	Point of care devices for chronic disease management	P. Mishra	IRD for IITD-Clemson University joint Program
2	Deciphering the role of microRNA, mir-191, in the regulation of chemoresistance and stemness in breast cancer	R. Kulshreshtha	SERB
3	Identification of circular RNA signature of hypoxia in glioblastoma: Implications in prognosis and therapeutics	R. Kulshreshtha	DST (Indo-Czech)
4	Evaluating prognostic and therapeutic significance of NeuroD2 and NeuroD6 transcription factors in glioblastoma	R. Kulshreshtha	DBT
5	Detection of resistance alleles for novel diagnostic and surveillance (DetRANDS)	Z. Ahammad	EU-IDRC

The above projects were circulated to members, since no specific comments were received from the members on the proposal, the projects were forwarded to Dean IRD and item was ratified in DRC.

(b) Request for ex-India leave by Ph.D. student, Shivani Khatri (2018BEZ8287), for six months' stay at DTU Denmark w.e.f. 1st Sept 2019

The Head was requested to forward the application to Dean Academics.

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

S. No	Name	Entry Number	Conference
1	Sanjay Singh	2013BEZ7510	10th International Conference on Materials for Advanced Technologies, Singapore (23.6.2019-28.6.2019)
2	Swati Varshney	2016BEZ8325	Microbial Diversity 2019, Catania, Italy (25.09.2019-27.09.2019)

Research Scholar Travel Award applications of the students were recommended to be forwarded to Dean Academics.

8. Any other item with the permission of Chair

(i) Final MTP Evaluation

The MTP Coordinator apprised the committee that the dates for final evaluation of MTP students are 23rd and 24th July 2019

(ii) Allotment of topics for BTP

The BTP Coordinator was advised to extend the deadline for students for submission of choice of BTP project by 22nd July 2019, post which the allotment will take place.

(iii) Request by Ph.D. student Deepak Kumar Prasad (2015BEZ8001) for Ex-India leave from 26.07.2019 to 25.10.2019 for visit to Friedrich Schiller University Jena for collaboration project Nanolog

The Head was requested to forward the application to Dean Academics

(iv) In view of a note received from PGS&R requesting for concurrence of Prof Sunil Nath with regards to his inability to serve as SRC Chairperson for Ms Sneha Kumari (2017BEZ8289) and others (DRC minutes dates 05.03.2019, Item No 6), it was decided that no response from Prof Sunil Nath to Prof Elangovan's mail may be considered as his concurrence on the issue.

(v) Proposal entitled "Tackling the issue of vegetable contamination in an eco-friendly manner", submitted by Dr. Anjali Singh for submission for CSIR Research Associateship under the mentorship of Prof Shilpi Sharma.

The above project was circulated to members, 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.

The meeting ended with thanks to all members.

Shilpi Sharma
Convenor, DRC

Distribution

DBEB faculty (by email)