

Department of Biochemical Engineering and Biotechnology
MINUTES OF DRC MEETING
(DRC-05/2018-2019)

5th Mar 2019

The fifth meeting of *Departmental Research Committee* (DRC) for the academic session 2018-2019 was held on **5th March 2019** at 11.30 am in the Committee Room (I-230) of the Department.

The following members were present:

Prof. T. R. Sreekrishnan (*Chairperson*)
Prof. Saroj Mishra
Prof A K Srivastava
Prof Prashant Mishra
Prof. Ritu Kulshreshtha
Prof. Preeti Srivastava
Prof. Shilpi Sharma (*Convenor*)

1. To confirm the minutes of the 4th meeting of DRC for the session 2018-2019 held on 11th Jan 2019.

The minutes of 4th meeting of DRC for the session 2018-2019 held on 11th Jan 2019 were confirmed as circulated.

2. To report the matters arising from minutes of Meeting No. 04/2018-2019 and action taken.
None

3. Result of Paper I of Ph.D. comprehensive examination

The following students were declared to have passed Paper I of Ph.D. comprehensive examination held on 6th Feb 2019:

Shubham Dubey	Entry No 2017BEZ7534
Sakshi	Entry No 2018BEZ8243

4. Allotment of topics to Sem II (2018-19) entry Ph.D. students

The Committee approved the allotment of projects to the Semester II, 2018-19 entry Ph.D. students as per Annexure 1. The respective supervisors are required to submit requests to DRC for constitution of SRC.

5. Criteria for Research Excellence Travel award (RETA)

The committee decided upon the following criteria for award of RETA:

(i) The applicant must have availed Research Scholar Travel Award (RSTA)

(ii) The applicant must have two first author research papers.

(iii) The research papers should be either in journals with Impact factor ≥ 2 , or in recognised Society journals

The deadlines for submission of applications to DRC convenor will be 1st April and 1st October every year.

6. Request received from Ms Sneha Kumari regarding date of her Oral Comprehensive exam
The request was ratified and her Plan of work considered for Item No 7

7. Plan of Work of Sneha Kumari (2017BEZ8289)

The Plan of Work of Ph.D. student Sneha Kumari 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)

8. Synopsis of Ph.D. thesis of Ms Sakshi Aggarwal (2013BEZ8027) entitled “Enhancing the secretory efficiency of Granulocyte Colony-Stimulating Factor in *Pichia pastoris* via manipulation of secretory signal sequences”

Upon supervisor's request the item was deferred for the next DRC meeting

9. Requests from MSR students, Vipul Kumar (2018BEY7509) and Yogesh Kalakoti (2018BEY7512) for conversion to Ph.D. programme

Request from M.S.(Res) students, Vipul Kumar and Yogesh Kalakoti for conversion to Ph.D. was approved for forwarding, in view of their fulfilment of the Ph.D. selection criteria for admissions held for Sem I, 2018-19.

10. 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	Bio-refining of food and agricultural waste into high value products	Z. A. Shaikh	British Council-DST
2	Investigating the correlation between antibiotic resistance and metal tolerance in bacteria: a potential threat to human health	Z. A. Shaikh (mentor for Dr Sunil Kumar)	ICMR
3	Integrative transcriptome analyses of different histological and molecular subgroups of meningioma to identify prognostic signature and therapeutics targets	R. Kulshreshtha (PI: Dr Vaishali Suri)	ICMR
4	Evaluation of nano copper prepared using green technology and its curcumin conjugates as antibacterial and wound healing agents for defence personnel	P. Mishra	DRDO

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

11. Any other item with the permission of Chair

(i) List of foreign examiners for thesis of Ms Anamika Singh

The committee approved the fresh panel of foreign examiners for Ms Anamika Singh's thesis (2011BEZ8228) entitled "Recombinant protein production in *Komagataella phaffii* "

(Action: Chairperson DRC to forward the document upon receiving the hardcopy from supervisor)

(ii) Request by BTP Coordinator for topics for allotment to students registered for BTP-1

The committee decided that for allotment of topics to students registered for BTP-1 in Sem II, 2018-19, the leftover topics from the list circulated last semester should be offered to the students. If required, Head may kindly call for a special DFB to sort the matter at the earliest.

(iii) Dhritiraj Das's request for conducting his mid-sem evaluation of MTP towards the end of the semester (Sem II, 2018-19), and final evaluation after summer 2019 was considered favourably on medical grounds.

The meeting ended with thanks to all members.

Shilpi Sharma
Convenor, DRC

Distribution

All DBEB faculty members (by email)

Annexure 1

Allotment of topics to PhD students (Entry Sem II, 2018-19)

PhD Student	Entry No.	PhD research topic	Supervisor (/s)
Seyad Shefrin N	2018BEZ8440	Natural products as sources of new drugs*	DS
Debashree Kar	2018BEZ 8437	Design and development of detection system for nucleic acid markers for prostate cancer*	PM
Shabnam Parwin	2018BEZ 8441	Molecular events responsible for the switching of cell shape with respect to cell cycle in <i>Rhodococcus erythropolis</i> PR4	PS
Avijeet Singh Jaiswal	2018BEZ 8436	Fructo-oligosaccharide synthesis using recombinant <i>fructosyltransferases</i>	SM & RE
Salina Tigga	2018BEZ 8439	Reducing the burden of AMR caused by animal farms	ZA
Partha Pratim Mondal	2018BEZ 8438	Understanding the behaviour of Oscillatory Baffled Reactor in treating low and high solid containing wastewaters	ZA
Sidra Ghazali Rizvi	2018BEZ 8442	Tracking the AMR in water bodies	TRS