

Department of Biochemical Engineering and Biotechnology
Minutes of DRC meeting
(DRC-06/2018-2019)

5th April 2019

The sixth meeting of *Departmental Research Committee* (DRC) for the academic session 2018-2019 was held on **5th April 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 D Sundar

Prof Ritu Kulshreshtha

Prof Preeti Srivastava

Prof R. Elangovan

Prof Z. Ahammad

Prof Ashish Misra

Prof Rohan Jain (*Invitee*)

Prof Shilpi Sharma (*Convenor*)

1. To confirm the minutes of the 5th meeting of the DRC for the session 2018-2019 held on 5th March 2019.

The minutes of 5th meeting of DRC for the session 2018-2019 held on 5th March 2019 were confirmed as circulated.

2. To report the matters arising from minutes of Meeting No. 05/2018-2019 and action taken.
None

3. 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”

The Committee discussed and approved the synopsis submitted by the Ph.D. student Sakshi Aggarwal. The Committee also approved the panel of Examiners and authorized the Chairperson to forward the same to Dean (Academics).

(Action: 1 Thesis Supervisor 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. Selection of students for Ph.D. programme of the department

The committee decided that the written test and/or interview for admission to Ph.D. and M.S.(Res) programme of the department would be conducted on 20th and 21st May 2019.

5. Conduct of Paper I of Ph.D. comprehensive examination

It was decided to conduct the written comprehensive examination (Paper I) on 10th May 2019. Prof. A. K. Srivastava (Bioengineering) and Prof. Saroj Mishra (Biosciences) will coordinate the setting of question paper, and conduct the examination. The results will be declared by 17th May 2019.

6. Allotment of topics to Ph.D. students: Vipul Kumar (2018BEY7509) and Yogesh Kalakoti (2018BEY7512)

The Committee approved the allotment of projects to the two students as follows:

Vipul Kumar (2018BEY7509)- Understanding the molecular mechanisms of action of natural metabolites

Yogesh Kalakoti (2018BEY7512)- Natural products as sources of new drugs

7. Constitution of SRC for Ph.D. students Seyad Shefrin N (2018BEZ8440), Vipul Kumar (2018BEY7509) and Yogesh Kalakoti (2018BEY7512)

SRCs for Ph.D. students was constituted as per Annexure I.

8. Applications received for RETA

No applications were received for the deadline of 1st April 2019.

9. Allotment of MTP to Dual Degree students of the department

MTP topics were allotted to Dual Degree students as per Annexure II.

10. Application received from Ms Neha Khaware for admission to departmental Ph.D. Programme as a full time sponsored student

As the candidate did not meet the minimum eligibility criteria for admission to departmental Ph.D. programme, her candidature was declined.

11. 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	Microbial nitrogen cycling as a driver and proxy for soybean farming in organically and conventionally managed soils	S. Sharma	DST (Indo-Russia)
2	Domesticating soil microbiome for mitigation of drought stress tolerance in tomato via rhizosphere engineering	S. Sharma	DST (Indo-Egypt)

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.

(b) Request for ex-India leave by Ph.D. student Omkar Vinchure (2014BEZ8003) to avail EMBO short term fellowship for a 3 months' stay in Madrid, Spain.

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

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

S. No	Name	Entry Number	Conference
1	Sonia Gupta	2014BEZ8391	5th International Symposium on Environmental Dimension of Antibiotic Resistance, Hong Kong (9-14.06.2019)
2	Deepak K Prasad	2015BEZ8001	5th International Symposium on Environmental Dimension of Antibiotic

			Resistance, Hong Kong (9-14.06.2019)
3	Shashi Kumar	2015BEZ8358	10th International Conference Biosystems Engineering, Estonia (8-10.05.2019)
4	Jananee Jaishankar	2015BEZ8350	ASM Microbe 2019, San Francisco (20-24.06.2019)
5	Divya Singhi	2015BEZ8501	ASM Microbe 2019, San Francisco (20-24.06.2019)

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

12. Any other item with the permission of Chair

- Ph.D. student, Jyoti Sharma's (2015BEZ8503) request for conversion of Ph.D. status from Part Time to Full time was approved for forwarding, in view of her qualifying ICMR-SRF fellowship.
- In response to a query by Ph.D. student Yogesh Kalakoti (converted from MSR programme of the department) with respect to registration date for Ph.D. programme, the clarification received from Associate Dean Academics was duly noted as follows:

“For academic purposes (registration, comprehensive data, synopsis, thesis submission date), you clock starts from the date of first registration (from the day you were registered as MS/R student. Your coursework, which you did as MS/R student, is now subsumed into your PhD coursework. Hence the logic.

However for payment of scholarship, you start claiming your PhD scholarship from the date the PG section notified your conversion.”

- In view of a request received from Prof Saroj Mishra the change in MTP titles of two students was noted as follows:
Vineet Kumar – Evaluation of laccase variants for decolorization / detoxification of textile effluents
Neha Meena – Evaluation of combination of laccase variants in treatment of textile waste water
- Prof Rohan Jain was inducted as a co-supervisor for the doctoral student Priyanka Dubey (2017BEZ8285) upon request by Prof. T. R. Sreekrishnan.

The meeting ended with thanks to all members.

Shilpi Sharma
 Convenor, DRC

Distribution

DBEB faculty (by email)

Annexure I

Composition of SRC for Ph.D. students

Ph.D. Student	Entry No.	Chairperson	Internal Expert	External Expert	Supervisor (/s)
Vipul Kumar	2018BEZ7509	R. Elangovan	P. Srivastava	A.Patel (KSBS)	DS
Yogesh Kalakoti	2018BEZ7512	R. Elangovan	P. Srivastava	V. Perumal (KSBS)	DS
Seyad Shefrin N	2018BEZ8440	S. Sharma	R. Elangovan	A.Patel (KSBS)	DS
Debashree Kar	2018BEZ8437	R. Kulshreshtha	P. Srivastava	S. Das (CARE)	PM
Shabnam Parwin	2018BEZ8441	S. Mishra	R. Kulshreshtha	A.Patel (KSBS)	PS
Avijeet S. Jaiswal	2018BEZ8436	P. Mishra	P. Srivastava	M A Haider (Chem Engg)	SM & RE
Salina Tigga	2018BEZ8439	T R Sreekrishnan	R. Jain	A. Kumar (Civil Engg)	ZA
Partha Pratim Mondal	2018BEZ8438	T R Sreekrishnan	A. Misra	A. K. Siroha (Chem Engg)	ZA
Sidra Ghazali Rizvi	2018BEZ8442	Z. Ahammad	R. Jain	V. Arya (Civil Engg)	TRS

Annexure II

Allotment of MTP topics to Dual Degree students

Name	Entry No.	Topic	Supervisor (/s)
A R Shubham	2015BB50001	Deciphering the role of non-coding RNAs involved in hypoxia-resistance in cancer	RK
Bharti Meena	2015BB50003	Deciphering the role of non-coding RNAs involved in drug resistance in cancer	RK
Divya Garg	2015BB50004	Identification of bacterial terpene synthases	AM & DS
Indhana Divya Jayasree	2015BB50005	Copper nanoparticle-bioactive conjugates for antibacterial activity	PM
Jashan Singh Suri	2015BB50006	To be announced	TRS
Kancharana Preeti Raj	2015BB50007	To be announced	AKS
Dhaval Rakesh Narwani	2015BB50009	To be announced	ZA
Nitesh Chaudhary	2015BB50010	To be announced	GPA
Patnana Mounica	2015BB50011	To be announced	RJ
Prarthana Jain	2015BB50012	Construction of novel vectors for gene expression in Actinobacteria	PS
Sashi Kalan	2015BB50013	Identification and characterization of cytoskeletal proteins from <i>Rhodococcus</i>	PS
Yugesh Verma	2015BB50015	Improving CRISPR-Cas9 specificity/efficiency	DS