

Department of Biochemical Engineering and Biotechnology
DRC MEETING NOTICE
(DRC-03/2018-2019)

6th Dec 2018

The third meeting of *Departmental Research Committee* (DRC) for the academic session 2018-2019 was held on **4th Dec 2018** at 2.00 pm 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. Atul Narang
Prof. Prashant Mishra
Prof. D. Sundar
Prof. Ritu Kulshreshtha
Prof. Preeti Srivastava
Prof. Z. Ahammad
Prof. Shilpi Sharma (*Convenor*)

1. To confirm the minutes of the 2nd meeting of the DRC for the session 2018-2019 held on 13th Sept 2018, and minutes of special DRC meetings dated 15th Oct 2018 and 16th Nov 2018.

The minutes of 2nd meeting of the DRC for the session 2018-2019 held on 13th Sept 2018, and minutes of special DRC meetings dated 15th Oct 2018 and 16th Nov 2018 were confirmed as circulated.

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

None

3. New proposals for Ph.D.

New projects sent by faculty members were approved (Annexure 1)

4. Plan of Work of Ph.D. student Shivani Khatri (2017BEZ8287)

The Committee finalized the results of the Ph.D. written Comprehensive Exam (Paper II) conducted on 20th Aug 2018 by her respective SRC members, and based on the marks obtained declared her to have passed the exam. The Plan of Work for Ph.D. submitted by Shivani Khatri was discussed, and based on the recommendations of her SRC, it was approved.

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

5. Constitution of SRC for Ph.D. and MSR students (Entry Sem I, 2018-19)

SRC for Ph.D. and MSR students was constituted as per Annexure 2.

6. Request received from MSR student Shubham Dubey (Entry No 2017BEY7534) for conversion to Ph.D. programme

M.S.(Res) student, Shubham Dubey's request for conversion to Ph.D. was approved for forwarding, in view of his fulfilment of the Ph.D. selection criteria for admissions held for Sem I, 2017-18.

7. Request for medical leave by Ph.D. student Priyanka Bhardwaj (2016BEZ8005)

In view of her prolonged illness Priyanka Bhardwaj's application for withdrawal of semester (Sem I, 2018-19) was recommended for forwarding to Dean Academics.

8. Request received from Ph.D. student, Sakshi (2018BEZ8243), for conversion to Institute Assistantship

The committee deliberated on the issue and decided to recommend and forward the request to Dean Academics.

9. 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	Catalyzing diagnostic technology innovation from bench to bedside	Prof. R. Elangovan	MHRD
2	Development of green polymer based bio-nanocomposites of commercial interest through agro-industrial waste valorization (GREENEWVAL)	Prof. P. Mishra	MHRD
3	Identification of non-coding RNA panel as novel biomarker for stratification of meningiomas and evaluation of its prognostic and therapeutic significance	Prof. R. Kulshreshtha	IITD-AIIMS, FIRP
4	Liquid Biopsy: An exploratory study on exosome based diagnostics for lung cancer	Prof. R. Elangovan	IITD-AIIMS, FIRP
5	Elucidating the role of domesticated soil microbiome in mediating drought stress tolerance in tomato via rhizosphere engineering.	Dr Annapurna Bhattacharjee (Mentor: SS)	BioCARE, DBT

The above projects were 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.

(b) Request for ex-India leave by Ph.D. student Navaneethan R. (2017BEZ8438) to attend 6th AIST International Imaging Workshop at Tsukuba, Japan (20-27 Jan 2019)

Ph.D. student Navaneethan R.'s request for ex-India leave was approved and ratified.

(c) Request from MSR student, Vasu Goel (2016BEY7506), for extension of MSR registration and fellowship for a period of 6 months (Sem II, 2018-19)

MSR student Vasu Goel's request for extension of his registration for Sem II, 2018-19 was approved and ratified.

10. Any other item with the permission of Chair

- The Committee finalized the results of the Ph.D. written Comprehensive Exam (Paper II) for Aakanksha Ahlawat (2017BEZ8292) conducted on 26th Oct 2018 by her respective SRC members, and based on the marks obtained declared her to have passed the exam. The Plan of Work for Ph.D. submitted by Aakanksha Ahlawat was discussed, and based on the recommendations of her SRC, it was approved.

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

The meeting ended with thanks to all members.

Shilpi Sharma
Convenor, DRC

Distribution

All DBEB faculty members (by email)

Annexure 1

S. No.	Title	Faculty
1	Experimental and computational techniques for metabolic analysis and engineering of microbes	AM
2	Domestication of microbiome to mitigate stress in arable land	SS
3	Fructo-oligosaccharide synthesis using recombinant <i>fructosyltransferases</i> .	SM & RE
4	Carbon nanodots for anticancer drug delivery and bioimaging	PM
5	Molecular events responsible for the switching of cell shape with respect to cell cycle in <i>Rhodococcus erythropolis</i> PR4	PS
6	Understanding the behavior of Oscillatory Baffled Reactor in treating low and high solid containing wastewaters	ZA
7	Development of IoT enabled system for water quality surveillance in water bodies	ZA & Brejesh Lal
8	Tracking the AMR in water bodies	TRS
9	AD doctor: Development of tools to assess health of anaerobic digester (AD)	TRS
10	Understanding the auto-healing capability of Ganga river (in view of the reduction efficacy of AMR burden)	ZA
11	Reducing the burden of AMR caused by animal farms	ZA

Annexure 2

Student's Research Committee for Ph.D. students

Student	Chairman, SRC	Expert from within the department	Expert from outside the department	Supervisor
Sakshi (2018BEZ8243)	TRS	ZA	Neetu Singh (CBME)	AM
Kritika Narula (2018BEZ8239)	RK	PS	S. Das (CARE)	PM
Garima Yadav (2018BEZ8241)	DS	PS	V. Perumal	RK
Deepchandra Joshi (2018BEZ8240)	AKS	ZA	B. J. Alappat (Civil Engg)	TRS

Student's Research Committee for MSR students

Student	Chairman, SRC	Expert from within the department	Supervisor
Yogesh Kalakoti (2018BEY7512)	RE	A. Patel (KSBS)	DS
Vipul Kumar (2018BEY7509)	RE	A. Patel (KSBS)	DS
Aditi Keshav (2018BEY7514)	SM	RK	PS
Praveen K. Singh (2018BEY7513)	TRS	ZA	AKS
Abhijit Singh (2018BEY7511)	ZA	AM	AN
Nidhi Solanki (2018BEY7508)	DS	PS	RK