

Department of Biochemical Engineering and Biotechnology
Minutes of DRC Meeting N0 08/ 2015_2016
(DRC-08/2015-2016)

July 21, 2016

The eighth meeting of *Departmental Research Committee* (DRC) for the academic session 2015-2016 was held on **Tuesday, July 19th, 2016** at **03:30 p.m.** in the Committee Room (I- 230) of the Department.

The following members were present:

Prof. Prashant Mishra (*Chairman*)

Prof. V. S. Bisaria

Prof. T. R. Sreekrishnan

Prof. A. K. Srivastava

Prof. Atul Narang

Dr. D. Sundar

Dr. Ritu Kulshreshtha

Dr. Preeti Srivastava

Dr. Shilpi Sharma (*Convenor*)

1. To confirm the minutes of the 7th meeting of the DRC for the session 2015-2016 (*DRC-07/2015-2016*) held on May 11th, 2016

The minutes of 7th meeting of DRC 2015-16 held on 11th May 2016 were confirmed as circulated

2. To report the matters arising from minutes of Meeting No. 07/2015-2016 and action taken.

Item # in DRC Meeting No. 07/2015-2016	Brief description	Gist of the decision of the DRC	Action taken / Present status
10	Comprehensive examination and Plan of Work Sonia Gupta	Approved	Forwarded to Dean PGS&R

3. Synopsis submission of M.S.(Res) students of entry year 2014.

Based on the recommendations of the respective SRC, the Committee discussed and approved the synopsis submitted by the following students:

Entry No	Name	Title of thesis
2014BEY147504	Garima Goyal	Design and synthesis of magnetic molecularly imprinted polymer for separation of chiral molecules
2014BEY147505	Gaurav Malik	Effect of fumarate on protein motive force in bacteria
2014BEY147507	Shuddhodana	Stabilization of cellulolytic enzymes by cross-linking their aggregates
2014BEY147508	Tanaya Bagga	Understanding regulation of <i>dsz</i> operon
2014BEY147510	Vishal Bhagat	Continuous production of Biopolymers (PHB) using high cell density cell culture
2014BEY147525	Varsha A. Walvekar	Non target effects of pesticides on microbial community structure and function

The Committee also approved the panel of Examiners for the above theses and authorized the Chairman to forward the same to Dean Academics.

(Action: 1. Supervisor to send the following documents to the DRC Convenor-
(a) Filled-in form for PhD synopsis submission & Appointment of Examiners, (b) 2 hard copies of the Synopsis and (c) soft copy of the Synopsis on CD and by email
(Action 2: Upon receipt of the above documents, Chairman DRC to forward it to Dean Academics)

4. Allotment of Ph.D. topic to part time students admitted in April 2016

Students admitted in April 2016 to departmental Ph.D. programme were allotted topics as below:

Entry No	Name	Title of thesis and Supervisor
bez158501	Divya Singhi	Chromosome segregation in <i>Rhodococcus erythropolis</i> PR4, Dr Preeti Srivastava
bez158502	Nitu Maity	Strategies for improvement of human serum albumin production in <i>Pichia pastoris</i> , Prof Saroj Mishra

5. Proposal entitled "Ensuring a safe environment-Treatment of emerging contaminants" submitted by Dr Z. Ahammad for submission to DST.

The Chairman informed that 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.

6. Proposal entitled "Study on the influence of textile properties on microbial load" submitted by Dr Shilpi Sharma for submission to SERB.

The Chairman informed that 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.

7. Proposal entitled "Designing synbiotic formulation using probiotic strains of *Lactobacillus* along with traditional herbs targeting Indian population" submitted by Dr. Sakshi Tewari to DST under Scheme for Young Scientists and Technologists, under the mentorship of Dr Shilpi Sharma

The Chairman informed that 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.

8. Report on Comprehensive Examination and Approval of Research Plan of Aditya Soni (2014BEZ8264), Fate and Transport of Antibiotic Resistance in river bodies

Based on the recommendation of the students' SRC, plan of work of Aditya Soni (2014BEZ8264) was approved. (Action: Chairman DRC to forward the Form w/ enclosures to Dean - Academics)

9. Application of Ms Richa Sharma for Raman Charpak Fellowship 2016

Application received from Ms Richa Sharma (Entry No 2013BEZ8026) for Raman Charpak Fellowship 2016 to work under the mentorship of Dr Pascal Piveteau, Université de Bourgogne, France was forwarded to the sponsoring agency.

10. Application received from Mr Sunil Kumar (Entry No 2011BEZ8480) for extension of Institute fellowship

Application received from Mr Sunil Kumar was forwarded based on the availability of vacant Institute slot for Ph.D. programme, and non-completion of 5 years of fellowship from Institute. It was further decided that in case of a full time Ph.D. student working on a fellowship other than institute fellowship needs such assistance for a semester or so within the limit of 5 year may be recommended based on his or her progress of work.

11. Request by Ms Nitu Maity (BEZ158502) for waiver for pre-Ph.D. courses BEL810, and BEL830

As the request put forth by Ms Nitu Maity was duly forwarded by her supervisor, it was considered favourably. For similar requests in future it was decided that it is upto the discretion of the PhD supervisor/ DRC to recommend the courses to be taken by their respective students.

12. Application received from Ms Shayoni Dutta (BEZ118194) regarding release of fellowship (DST-INSPIRE)

Since the progress of student was satisfactory and it was matter of relaease of her own grant, DRC approved and authorized chairman to forward her application.

13. Application received from M.S.(R) student Ms Aakansha Gautam (Entry No 2014BEY7501), for semester withdrawal

Based on medical grounds, DRC recommended her request of withdrawal for semester.

14. Matters for information

None

15. Any other item with the permission of Chair

(a) Synopsis of Ms Shilpi Jain (2010BEZ8159)

Based on the recommendations of the SRC, the Committee discussed and approved the synopsis submitted by Ms Shilpi Jain (2010BEZ8159) of her PhD entitled "The Melibiose Operon of *Escherichia coli*: Mechanism of Catabolite Repression and Strategies for Overcoming it". The Committee also approved the panel of Examiners and authorized the Chairman to forward the same to Dean Academics.

(Action: 1. Supervisor to send the following documents to the DRC Convenor-

(a) Filled-in form for PhD synopsis submission & Appointment of Examiners, (b) 2 hard copies of the Synopsis and (c) soft copy of the Synopsis on CD and by email

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

(b) Award of SERB national Post-Doctoral Fellowship

The committee was informed that the following candidates were selected for National post-doctoral fellowship by SERB:

Dr. Vikas Sharma (mentor Dr Ritu Kulshreshtha)

Dr. Sakshi Tewari (mentor Dr Shilpi Sharma)

(c) Request of Mr. Chandel Angad for an early evaluation of his MTP was discussed, and it was noted that he has started his MTP work very late, hence does not fulfil criteria as per norms.

The meeting ended with thanks to all members.

Shilpi Sharma
Convenor, DRC

Distribution

All DRC members and other DBEB faculty (by email)

Cc: DRC File