

Minutes of Departmental Committee Meeting/RAC

A Departmental Committee/RAC meeting was held on 17.02.2020 at 02:00 P.M in the Lecture Theatre, Biochemistry. Following members were present to view the annual presentations and synopses-

1. Dr. Rajesh Dabur (Chairman)
2. Dr. N.S Chauhan (Member)
3. Dr. Ritu Pasrija (Member)
4. Dr. Vijay Kumar (Member)
5. Dr. Sandeep Singh (Member)


(I) The annual presentations of following registered Ph.D. students were taken-

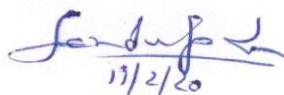
1. Ms. Khushboo Goyal (Supervisor: Dr. NS Chauhan)
Reg. No.: 12-VCRRR-0109; Title: Metagenomic Profiling of soil microbes to Mine Oxidative stress Tolerance Genes
2. Ms. Monika Yadav (Supervisor: Dr. NS Chauhan)
Reg. No.: 10-GG-9708; Title: Systematic analysis of the signature genetic elements imparting commensalism to the human gut microbes.
3. Mr. Tarun Kumar (Supervisor: Dr. NS Chauhan)
Reg. No.: 10NGR3476; Title: Divulging immunomodulatory role of vitamins, probiotics and tryptophan in host microbes interaction
4. Ms. Aarti Yadav (Supervisor: Prof. Rajesh Dabur)
Reg. No.: 151839004; Title: *In vivo* efficacy and molecular mechanisms of anti-atrophic compound (s)
5. Mr. Amit Kumar (Supervisor: Dr. Vijay Kumar)
Reg. No.: 12-NRSCR-1750; Title: Protective effect of Coenzyme Q10 nanoparticles on monocrotophos induced neurotoxicity in rats
6. Mr. Ankit Kumar (Supervisor: Dr. Sandeep Singh)
Reg. No.: 151803008; New Title: Identification and characterization of bioactive compounds in *T. cordifolia* in the form of CeNPs


(II) The presentations were satisfactory and minor suggestions were given except for Mr. Ankit Kumar whose rescheduled research period was considered after change of guide in last 3 months of first year.

(III) The synopses of following students were presented for Ph.D. registration-

1. Ms. Shruti Jha
Original Topic: Green synthesis of mono and bimetallic nanoparticles of Ag and Cu using herbal leaves extract (*Sauropus androgynus*): Characterization and biological properties
Supervisor: Dr. Sandeep Singh (Supervisor)


20/2/2020


17/2/20


17/2/20

Comments: The title of synopsis was modified to “*Sauropus androgynus* leaf mediated synthesis of Ag/Cu nanoparticles for characterization and antioxidant/antibacterial properties”. Accordingly, changes in objectives of work were suggested

2. Ms. Priyanka Rani

Original Topic: Metabolic and Biochemical studies on *Pisum sativum* in Cr(VI) stress and modulation by exogenous salicylic acid.

Supervision: Dr. Sandeep Singh (Supervisor) and Dr. Asha Sharma (Asstt. Prof., Deptt. of Botany, Co-supervisor)

Comments: The title of synopsis was modified to “Biochemical studies on *Pisum sativum* in Cr (VI) stress and modulation by exogenous salicylic acid”. Second suggestion was to segregate antioxidant and photosynthetic studies into separate objectives. Third suggestion was to include preliminary screening of plant for tolerance limits of chromium and salicylic acid.

3. Ms. Anjali Malik

Original Topic: Biochemical and metabolic studies on polyamines in arsenic stressed *Cicer arietinum*

Supervision: Dr. Sandeep Singh (Supervisor)

Comments: The title of synopsis was modified to “Biochemical analysis of effects of putrescine and spermine on arsenic stressed *Cicer arietinum*”. Second suggestion was to segregate antioxidant and photosynthetic studies into separate objectives. Third suggestion was to include preliminary screening of plant for tolerance limits of arsenic and polyamines

4. Ms. Nikita Shukla

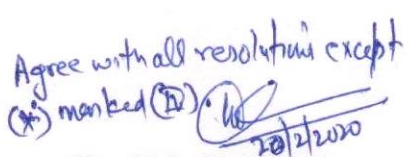
Original Topic: Assessment of *in-vitro* efficacy of selected natural compounds in prevention of muscle wasting


Supervision: Prof. Rajesh Dabur (Supervisor)

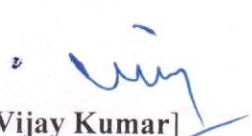
Comments: The title of synopsis was approved as such but names of compounds to be used for screening were suggested to be incorporated in synopsis.

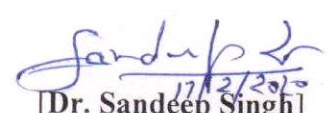
(IV) The main lab and small lab in front of main lab, both vacated by Prof. Emeritus CS Pundir, were allotted to Prof. Rajesh Dabur. ①


[Prof. Rajesh Dabur]
HOD & Chairman

Agree with all resolutions except
(*) marked (D)

[Dr. N.S. Chauhan]
Asstt. Prof. & Member


[Dr. Ritu Pasrija]
Asstt. Prof. & Member


[Dr. Vijay Kumar]
Asstt. Prof. & Member


[Dr. Sandeep Singh]
Asstt. Prof. & Member