

**Proceedings of the Sixth Meeting of Board of Studies for Basic Science of Navsari  
Agricultural University**

**Venue: Conference Hall, ACHF, NAU, Navsari**

**Date: 18.01.2016 Time: 09.30 to 13.30 hr**

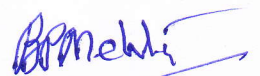
**Chairman:** Dr. A. N. Sabalpara      **Repporteurs:** Dr. A. V. Narwade  
Prof. M. D. Khunt

The sixth meeting of board of studies of basic science was held under the chairmanship of Hon. Dr. A. N. Sabalpara, Director of Research and Dean, P. G. studies, N.A.U., Navsari. Meeting was started with floral welcome of dignitaries and welcome address by chairman of board of studies of Basic Science, Dr. B. P. Mehta, Professor and Head, Department of Plant Pathology, ACHF, NAU, Navsari. In his presidential speech, the Director of Research and Dean PG studies Dr. A. N. Sabalpara discussed the PG research programs and academic issues to be talked carefully in the discipline of Plant Physiology, Biochemistry, Microbiology and Bio-mathematics. He highlighted the importance of basic science research in the applied agriculture field. He also emphasized importance of strengthening of basic science faculty in NAU. He suggested that research problems of PG students should be more focused on the current problems of South Gujarat farmers. Lab to field research work should come from the Faculty & PG student's research work. For faculties, he advised for multi disciplinary approach and should give maximum new technical programmes in upcoming AGRESCO meeting. He also emphasized the need for inviting senior faculty as an expert in the BOS of Basic Science along with the need for faculty training and up gradation of the instrumental facilities in the basic science discipline.

Action taken report of fifth meeting of Board of Studies of Basic Science was approved in the meeting. Post graduate student experimental research outlines were presented in the Board of Studies meeting of Basic Science discipline and the same were approved with the suggestions mentioned in the Annexure-1. In the departmental presentation of Department of Plant Molecular Biology and Biotechnology, GABI, Plant Physiology discipline, Agricultural Microbiology discipline, ACHF biotechnology, Mathematics discipline and biochemistry discipline were presented by Dr. Diwakar Singh, Dr. Sanjay Jha, Dr. Ajay V. Narwade, Prof. M. D. Khunt, Prof. Vipul Parekh, Dr. Meghana Verma and Dr. Sonal Tripathi respectively.

During the departmental presentation, Director of Research and Dean PGS stated that updated list of PG external examiner along with contact details must be sent to Director of Research and Dean PG Studies office through proper channel. He emphasized that the new faculties should propose new technical programme in next AGRESCO meeting.

At last, meeting was ended with vote of thanks by Dr. Ajay V. Narwade, Assistant Professor, Department of Plant Physiology, NMCA, NAU, Navsari.



**Chairman**

Board of studies of Basic Sciences and Professor  
Dept. of Pl. Patho., ACHF, NAU, Navsari

Annexure-1

Post Graduate student experimental research outlines presented in Board of Studies meeting of Basic Science discipline Plant Physiology, Biochemistry, Plant Molecular Biology and Biotechnology, Agricultural Microbiology and Agricultural Meteorology held on 18<sup>th</sup> January, 2016 at NAU, Navsari

<b>M.Sc. (Plant Physiology)</b>			
Mr. Jayeshkumar A. Bhabhor	Prof. Kirti Vardhan Assistant Professor Department of Basic Science and Humanities ACHF, NAU, Navsari	Effect of nitrogen on root architecture of Rice ( <i>Oryza sativa</i> )	Accepted
<b>M.Sc. (Biochemistry)</b>			
Mr. Piyush Vadodaria	Dr. Nilima Karmakar Assistant Professor Department of Soil Science and Agril. Chemistry NMCA, NAU, Navsari	“Varietal screening of Indian bean ( <i>Dolichos lablab</i> L.) and nutrient loss on cooking: special reference to some biochemical characters”	Accepted with following suggestions: <ul style="list-style-type: none"> <li>Finalize experimental design in consultation with Prof. H. N. Chhatrola</li> <li>Change title as “Effect of cooking on nutritional quality of Indian bean (<i>Dolichos lablab</i> L.)”</li> </ul>
<b>Ph. D. ( Plant Molecular Biology and Biotechnology)</b>			
Mr. Kirankumar Parsottambhai Suthar	Dr. R. M. Patel Principal and Dean GABI, NAU, Surat	Molecular and biochemical characterization of microbial antagonist in chickpea ( <i>Cicer arietinum</i> L.) against wilt ( <i>Fusarium oxysporum</i> f. sp. <i>ciceri</i> ) infection	Accepted
Mr. Ankit Harishbhai Patel	Dr. Lalit Mahatma Associate Professor Department of Plant Pathology NMCA, NAU, Navsari	Enhance of nodulation efficiency of Mungbean Rhizobia through protoplast fusion	Accepted with following suggestions: <ul style="list-style-type: none"> <li>Change title as “Enhancement of nodulation efficiency of Mungbean Rhizobia”</li> </ul>

				<ul style="list-style-type: none"> <li>Delete third and fourth objective</li> <li>Add one more objective as “Enhancement of nitrogen fixing ability of rhizobia through physical and chemical agents”</li> </ul>
Mr. Chaitanya Sahebrao Moghal	Dr. Sanjay Jha Associate Professor GABI, NAU, Surat	Efficiency of Plant Promoting Rhizobacteria (PGPR) consortia for soil health rejuvenation and growth promotion of Mungbean ( <i>Vigna radiata</i> L.)	Accepted with following suggestions: <ul style="list-style-type: none"> <li>Add no. of nodules/plant in morphological evaluation under observations to be recorded section</li> </ul>	
Mr. Haider abbas I. Masi	Dr. R. M. Patel Principal and Dean GABI, NAU, Surat	Salt stress mitigation in rice ( <i>Oryza sativa</i> L.) using endophytes and assessment of their infection	Accepted with following suggestions: <ul style="list-style-type: none"> <li>Add Na+/K+ ratio in analysis</li> </ul>	
<b>M.Sc. ( Plant Molecular Biology and Biotechnology)</b>				
Mr. Saiyed Mufti mahammad Munavar Ali	Dr. Chintan V. Kapadia Assistant Professor Department of Plant Molecular Biology and Biotechnology ACHF, NAU, Navsari	Identification and validation of differentially expressed miRNA during brinjal ( <i>Solanum melongena</i> L.) <i>Ralstonia solanacearum</i> infection	Accepted with following suggestions: <ul style="list-style-type: none"> <li>Change title as “Identification and quantification of differentially expressed miRNA during brinjal (<i>Solanum melongena</i> L.) <i>Ralstonia solanacearum</i> infection”</li> </ul>	
Mr. Ashvingiri Dineshgiri Gauswami	Dr. Sanjay Jha Associate Professor GABI, NAU, Surat	Isolation and characterization of endophytic diazotrophic bacteria	Accepted	
<b>M.Sc. ( Agricultural Microbiology)</b>				
Ms. Priya S. Vadnerker	Dr. Trupti Vyas Assistant Professor FTQL, NMCA NAU, Navsari	Exploring exopolysaccharide from mushroom for their potential anti oxidant and antitumor activity	Accepted with following suggestions: <ul style="list-style-type: none"> <li>Mention CRD design for experiment</li> </ul>	

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