



DEPARTMENT OF ENTOMOLOGY

N. M. College of Agriculture, Navsari Agricultural University, Navsari - 396 450 (Gujarat) India

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No. ACN/ENT/PGT/ 2nd PG-RAG/969-1057/2020, Navsari

Date: 16/01/2020

Through NAU website

To,

All the Members of PG-RAG (Crop Protection),
Navsari Agricultural University, Navsari.

SUB: Minutes of 2nd PG-RAG (Crop Protection) meeting held on 27th December 2019

Sir/Madam,

Please find enclosed herewith the minutes of second PG-RAG (Crop Protection) meeting held on 27th December 2019 at Seminar Hall, N.M. College of Agriculture, N.A.U., Navsari.

Moreover, all the concerned members are requested to take necessary actions on the suggestions pertaining to the P.G. research work and send the action taken report to the undersigned. Thanking you in anticipation.

Encl: A/a

(Abhishek Shukla)

Convener & Professor and Head,
Department of Entomology,

N.M. College of Agriculture, NAU, Navsari

CFWRs to (Through NAU website):

1. PS to the Hon'ble Vice Chancellor, Navsari Agricultural University, Navsari for information please.
2. The Director of Research and Dean PG Studies, Navsari Agricultural University, Navsari for information please.
3. The Registrar, Navsari Agricultural University, Navsari for information please.
4. The Dean & Principal, College of Agriculture, Navsari Agricultural University, Bharuch for information please.
5. The Principal & Dean, ACHF, Navsari Agricultural University, Navsari for information please.
6. The Principal, NMCA (Navsari)/CAW (Waghai) for information please.
7. All Major Advisors/PG students for information and necessary action.

**MINUTES OF THE 2nd MEETING OF POST GRADUATE
RESEARCH APPROVAL GROUP (PG-RAG) (CROP PROTECTION),
NAVSARI AGRICULTURAL UNIVERSITY, NAVSARI (GUJARAT)**

Meeting Date: 27/12/2019 (Friday)

Venue: Seminar Hall, NMCA, NAU., Navsari

The meeting of the second Post Graduate Research Approval Group (PG-RAG) (Crop Protection) was held on 27/12/2020 (Friday) at Seminar Hall, N.M. College of Agriculture, NAU, Navsari. First of all Dr. Abhishek Shukla, Convener & Professor and Head (I/C), Department of Entomology welcomed Dr. S.R. Chaudhary, Director of Research & Dean PG Studies; Dr. K.A. Patel, ADR, NAU, Navsari; Dr. K.G. Patel, Dean & Principal, College of Agriculture, NAU., Bharuch, Dr. V.A. Solanki, Registrar & Professor and Head (Plant Pathology); Dr. J.J. Pastagia, Principal, College of Agriculture, NAU., Waghai and also faculty members of Crop Protection group and PG students. Furthermore, Dr. Abhishek Shukla, Convener, PG-RAG (Crop Protection) presented the Action Taken Report of 1st Post Graduate Research Approval Group (PG-RAG) (Crop Protection) to the house (The said meeting was held on 06/03/2019). Moreover, Dr. S.R. Chaudhary, Director of Research and Dean P.G. Studies, NAU, Navsari emphasized that the Major Guides should submit the synopsis of their PG student for approval in the second semester for Master and Doctoral degree programme. He also suggested to PG students/guides to select recent topic/ recent burning issues/innovative ideas for their P.G. research work. The student and his/her Major Guide must be aware to publish PG research work in high NAAS rated esteemed journals and get the citation of their research papers from published journals. He also advised all P.G. students to work hard for their P.G. research work and also appear for JRF/NET/SRF examinations.

Following points were unanimously resolved by the house:

- Mention GPS location of experimental trial in Thesis.
- All should adopt the standard abbreviation/ units in the synopsis as well as in thesis.
- Delete banned or likely to ban pesticides from all technical programmes.
- Do not mention the trade name in any technical programme.
- If the pathogen/insect is unknown or unidentified up to species level at the time of synopsis submission, it is resolved to write only the genus name (Based on literature/characters) at the time of synopsis submission. It should be corrected before the kaccha bound thesis submission. In this connection, the major Guide has to write a letter with due signatures of advisory committee members and send the same letter to Director of Research and Dean PG studies through Professor and Head of the department for final approval and gets the final approval before submission of kaccha bound thesis.
- Students who are qualified under NAHEP-CAAST scheme must have residue analysis part and expenditure involved with this trial has to be verified by Major Guide of that student

from the concerned person (PI/Co-PI of NAHEP-CAAST project/ Professor and Head, FQTL, NAU, Navsari).

- Students who are not under NAHEP-CAAST project and willing to do residue analysis should have to take prior permission from Professor and Head, FQTL, NAU, Navsari.
- All the plant pathology students need to correct the dose of fungicide in each and every experiment when it is *in vitro* condition.
- Predefined proforma was circulated by Convener, PG-RAG (Crop Protection) to all guides well in advance, even though few presentations/printed materials were not in order. Therefore, all those are herewith strictly instructed to follow the latest guidelines in upcoming meetings.

A total of 40 Masters and 15 Doctoral research proposals were presented by P.G. students from various disciplines *viz.*, Entomology, Plant Pathology, Horticultural Entomology and Horticultural Plant Pathology and Agril. Microbiology during said meeting. The minutes are enclosed herewith in Annexure- I to IV.

The meeting was ended with the vote of thanks by Dr. C.U. Shinde.



(Abhishek Shukla)
Convener (PG-RAG) and Professor and Head
Department of Entomology
N.M. College of Agriculture
Navsari Agricultural University, Navsari

Annexure- I [Technical session: I]

Chairman: Dr. K.A. Patel

Co-Chairman: Dr. V.A. Solanki

Rapporteurs: Dr. H.V. Pandya and Dr. V.A. Patil

Point No.	Name of the student/Reg. No.	Major Guide	Co-Guide	Title of the Research work	Suggestions
1	2	3	4	5	6
2.1	Ph.D. (Entomology)				
2.1.1	Kavad Nileshbhai Kathadbhai 1010118009	Dr. K. A. Patel	Dr. P. R. Patel	Defensive response of varieties/ genotypes and influences of different planting period against rice leaf folder, <i>Cnaphalocrocismedinalis</i> Guenée (Pyralidae: Lepidoptera)	Accepted with following suggestions: 1. Title: Delete 'Defensive' word. 2. Use word genotypes instead of varieties. 3. In 3 rd objective use 'on damage' instead of on incidence. 4. Exp-1. Add total number of larva per 25 hills. 5. Exp-2. In plot size mention no. of rows. 6. Correct the variety name. 7. Remove varieties GR-5, GR 8 and discuss with Dr. P.D. Ghoghari. 8. In morphological parameters: remove panicle length (cm) and add leaf colour. 9. Use protein analyzer instead of Kjeldahl's methods for protein determination.

2.1.2	Radadiya Nirav Vinubhai 1010118027	Dr. K. A. Patel	Dr. K. B. Rakholiya	genetic diversity and management of sorghum shoot fly <i>Atherigonasoccata</i> (Rondani)	<p>Accepted with following suggestions:</p> <ol style="list-style-type: none"> 1. In 2nd objective remove word 'sorghum'. 2. Mention locations name in Exp-1. 3. Use word genotypes instead of 'varieties'. 4. Exp-2. Title: 'In relation to weather parameters' instead of in relation to biotic and abiotic factors. 5. Exp-2. In observation: add number of rainy days and take observation daily basis. 6. Exp-2. Mention row length. 7. Correct plot size in mt instead of cm. 8. Take Ancillary observation viz. natural enemies. 9. Exp-3. In title: delete word 'under field condition'. 10. Exp-4. Title revised as: Efficacy of seed dressing insecticides against sorghum shoot fly. 11. Exp-4. Replication
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					four instead of three. 12. Use Dimethoate FS formulation instead of EC and calculate dose as per concentration.
2.1.3	Damor Mayurkumar P. 1010119007	Dr. L. V. Ghetiya	Dr. Hemant Sharma	Diversity of insect pollinators and effect of bee pollination on coriander (<i>Coriandrum sativum</i> L.)	Accepted with following suggestions: 1. Objective 1 st , 2 nd and 3 rd delete word 'south Gujarat'. 2. Exp-4. Replication 'five instead' of four. 3. Use large plot techniques, concern with Dr. J.J. Pastagia. 4. In 4.5.1 delete 'floral biology'.
2.1.4	Desai Ankur Vinodbhai 1010119009	Dr. H. R. Desai	Dr. K. B. Rakholiya	Insecticide induced resurgence in cotton mealybug, <i>Phenacoccus solenopsis</i> Tinsley (Pseudococcidae: Homoptera)	Accepted with following suggestions: 1. Delete insecticides names from 1 st objective. 2. Change the variety. 3. In 1.3 remove tentative word. 4. Exp-4. Mention plot size.
2.1.5	Hirapara Ishitaben Mukeshbhai 1010119013	Dr. L. V. Ghetiya	Dr. K. B. Rakholiya	Mass Production Technology of Acaropathogenic Fungi <i>Hirsutella thompsonii</i> Fisher	Accepted with following suggestions: 1. Change title: as per consultation with Dr. J.J. Pastagia and Dr. P. R. Patel. 2. Delete relative

					<p>humidity parameter from 1.4 a</p> <p>3. In 1.4 c and 2.44 Replication 'four' instead of three.</p> <p>4. Instead of maize grain and rice grain add other grains substrate treatments in 2.4.3 Delete treatment <i>Trichoderma viride</i> from 3.4.3</p> <p>5. In 4.4 a. mention the 'dose of <i>H. thompsonii</i>' instead of cfu/ml.</p>
2.1.6	Karkar Mitul A. 1010119014	Dr. L. V. Ghetiya	Dr. K. B. Rakholiya	Diversity of insect pollinators and effect of bee pollination on muskmelon (<i>Cucumismelo</i> L.)	<p>Accepted with following suggestions:</p> <ol style="list-style-type: none"> 1. Change manuscript as per Damor Mayurkumar P. 2. Use 'Large plot techniques' instead of RBD.
2.1.7	Mangali Ashwini 1010119016	Dr. Abhishek Shukla	Dr. Lalit mahatma	Biodiversity of acarophagous coccinellids	Approved
2.1.8	Patel Divyaben Hareshbhai 1010119023	Dr. J. J. Pastagia	Dr. K. B. Rakholiya	Isolation, identification and evaluation of entomopathogenic fungi <i>Beauveriabassiana</i> (Bals.) Vuill. collected from Dang	<p>Accepted with following suggestions:</p> <ol style="list-style-type: none"> 1. In title write <i>Beauveria sp</i> instead of <i>bassiana</i> and 'the Dangs' instead of from the Dangs 2. Remove authority

					<p>from title</p> <p>3. Mention larvae in Exp no.1</p> <p>4. Refer changes as per student Hirapara Ishitaben Mukeshbhai</p>
2.1.9	Prajapati Atulkumar Pravinbhai 1010119034	Dr. J. J. Patel	Dr. R. R. Waghunde	Comparative insect and mite biodiversity in organic and conventional farming systems of bottle gourd (<i>Lagenariasiceraria</i>)	<p>Accepted with following suggestions:</p> <p>1. Delete objective two from manuscript</p> <p>2. Mention Location: organic farm, ACHF and College farm NMCA.</p> <p>3. Use word 'ectoparasites' instead of 'exoparasites'.</p> <p>4. In observation add weather parameters in both condition.</p> <p>5. Mention plot size 20m x 20m.</p> <p>6. Keep only 'organic' delete comparative word.</p>
2.2	Ph.D. (Horticultural Entomology)				
2.2.1	Patel Niyati Pradipbhai 1020219012	Dr. H. V. Pandya	Dr. P.R. Patel	Morphological and biochemical basis of resistance against fruit borer (<i>Helicoverpa armigera</i> Hubner) infesting tomato	<p>Accepted with following suggestions:</p> <p>1. Change title as: "Morphological and biochemical basis of resistance of tomato genotypes against fruit borer, <i>Helicoverpa</i></p>

					<p><i>armigera</i> (Hubner) infesting tomato”</p> <ol style="list-style-type: none">2. Use word ‘genotypes’ instead of varieties3. Replication ‘four’ instead of three in 1.4 c4. Mention fertilizer dose in 1.4i5. Remove stem diameter from morphological parameters.
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Annexure- II [Technical session: I.....Continue]

Chairman: Dr. K.G. Patel

Co-Chairman: Dr. P.R. Patel

Rapporteurs: Dr. J.J. Patel & Dr. Hemanth Sharma

Point No.	Name of the student/Reg. No.	Major Guide	Co-Guide	Title of the Research work	Suggestions
1	2	3	4	5	6
2.3	Ph.D. (Plant Pathology)				
2.3.1	Panara Kevalkumar Nagaji 1010119020	Dr. K. B. Rakholiya	Dr. L. V. Ghetiya	Investigation on stem rot of tomato (<i>Solanumlycopersicum</i> L.) caused by <i>Sclerotiumrolfsii</i> Sacc.	Accepted with following suggestions: 1. In title changed as Investigations and remove bracket from scientific name. 2. In 7.1, minimum 20 samples required for “t” test. 3. Recommended fungicide is applied for maximum protection of the disease for assessment of yield losses. 4. For comparison, take equal number of healthy and diseased plants. 5. In 8.1, remove trade name of fungicides from Table 3 6. In 8.1.2, take native isolates of bioagents 7. In 9.1, title changed as “Evaluation of fungicides and biocontrol agents in field condition” also

					changed in objective 6
2.3.2	Patel Apurv Kumar Manubhai 1010119022	Dr. K. B. Rakholiya	Dr. P. D. Ghoghari	Symptomatology, characterization of <i>Colletotrichum capsici</i> L. and management of anthracnose of chilli	Accepted with following suggestions: 1. Title changed as Symptomatology, characterization of chilli anthracnose caused by <i>Colletotrichum capsici</i> (Syd.) Butler and Bisby and its management. 2. In 4.1, specify number of villages and field selected for survey. 3. In 6.1, remove species name from title, changed as <i>Colletotrichum spp.</i> 4. In 7.1, title changed as Impact of weather parameters on development of anthracnose disease of chilli also changed in objective 4 5. In 8.1, Recommended fungicide is applied for maximum protection of the disease for assessment of yield losses and also mention in text. 6. In 9.1, remove trade name of fungicides, take groupwise experiment for A, b and C, 8. In 9.1, remove

					<p>concentration of first column, only take 3 concentration.</p> <p>9. In 10.1, title changed as “Evaluation of fungicides against chilli anthracnose in field condition” also changed in objective 7.</p>
2.3.3	Patel Mitalkumari Ishvarbhai 1010119025	Dr. Priya John	Dr. L. V. Ghetiya	<p>Studies on biocontrol activity of sugarcane root microbiomes against red rot of (<i>Colletotrichumfalcatum</i>Went)</p>	<p>Accepted with following suggestions:</p> <ol style="list-style-type: none"> 1. In 1.6, observation of C:N ratio should be taken. 2. In experiment No. 2, mention the name of districts and sugarcane variety. 3. In experiment No. 3, replications should be 5 instead of 4. 4. In experiment No. 4, remove experimental design and replications, remove equation from correlation only correlate the data with weather parameters. 5. In experiment No. 5, Add experimental design and replications. 6. In experiment No. 5, mention the dose of biocontrol agent.

2.3.4	Siddu Lakshmi Prasanna 1010119042	Dr. Priya John	Dr. S. R. Patel	Investigation on leaf blight of Maize (<i>Zea mays</i> L.)	<p>Accepted with following suggestions:</p> <ol style="list-style-type: none"> 1. In title, Investigation must be in plural as Investigations. 2. Release variety of maize should be taken for all experiments. 3. No need of physiological studies, so delete 2.4.2 4. In 4.3.3 (botanicals), add the authority in botanical name. 5. In experiment No.7, Recommended fungicide is applied for maximum protection of the disease for assessment of yield losses and also mention in text, remove equation from correlation only correlate the data with weather parameters.
2.4 Ph.D. (Horticultural Plant Pathology)					
2.4.1	Disha Devang Desai 1020219005	Dr. P. R. Patel	Dr. H. V. Pandya	Epidemiology and management of leaf spot and flower blight of marigold caused by <i>Alternaria</i> sp.	<p>Accepted with following suggestions:</p> <ol style="list-style-type: none"> 1. In experiment No.4, Title changed as “Screening of varieties/ germplasms against the diseases of marigold” also changed in objective 4 2. In experiment No.7, title

					<p>changed as :Evaluation of fungicides against the diseases in field condition” also changed in objective 7</p> <p>3. In same experiment, replication should be 5 instead of 4</p> <p>4. In same experiment, add treatment of Neem oil 0.5%, delete treatment of Nimbicidin.</p> <p>5. In same experiment, treatment T5 replace with Tabuconazole 50%+ Trifloxystrobin 25% WG and mention concentration instead of Carbendazim 25% + Iprodione 25% @ 0.05%</p>
2.5	Ph.D. (Agril. Microbiology)				
2.5.1	Nil				

Annexure- III [Technical session: II]

Chairman: Dr. J.J. Pastagia

Co-Chairman: Dr. K.B. Rakholiya

Rapporteurs: Dr. H.R. Desai & Dr. R.R. Waghunde

Point No.	Name of the student/Reg. No.	Major Guide	Co-Guide	Title of the Research work	Suggestions
1	2	3	4	5	6
2.6	M.Sc. (Agri) [Entomology]				
2.6.1	Avula Hemanth Shree Teja 2010119005	Dr. C.U. Shinde	Dr.V.A. Patil	Biological attributes of lucerne aphid, <i>Acyrtosiphon pisum</i> (Harris), population dynamics and bioefficacy of biorational insecticides against lucerne pest complex.	Accepted with following suggestions: 1. Remove sentence “under south Gujarat condition” from Expt. title 1 to 3 2. Remove word “Biorational” from expt. title.
2.6.2	Bhensadadia Sawan M. 2010119015	Dr. P. B. Patel	Dr. V. A. Patil	Population dynamics, Varietal screening and effect of Botanical pesticides on Aphid (<i>Aphis craccivora</i>) in Green gram (<i>Vigna radiata</i> L. Wilczek)	Accepted with following suggestions: 1. Include Aphid authority after scientific name in title of research. 2. Add observation on natural enemies in 1 st expt. 3. Spacing of green gram should be (45 X 10cm) in all experiment. 4. Mention the authority/reference of aphid index. 5. Expt. 2 replications should be four (4). 6. The stages with unit of biochemical analysis should be mentioned. 7. Expt. 3 mention the

					percentage of plant extract to be used during expt. 8. Change title as “Population dynamics, varietal screening and effect of botanical extracts on sucking pest complex of green gram”
2.6.3	Chauhan Sachin N. 2010119022	Dr. G. R. Bhandari	Dr. P. B. Sandipan	Resistance to insecticides in different field population of cotton thrips, <i>Thrips tabaci</i> Lindeman (Thysanoptera: Thripidae) in Bharuch district, Gujarat	Accepted with following suggestions: 1. Change title as “Evaluation of resistance to insecticides in field populations of cotton thrips, <i>Thrips tabaci</i> Lindeman. 2. Change title of Expt 1: To find out the insecticides resistance against cotton thrips. 3. Change title of Expt 2: To find out the insecticides resistance buildup of the tested insecticide. 4. Mention the concentrations of insecticides to be used during experiment.
2.6.4	Gadhvana Jekishan K. 2010119025	Dr. K.D. Bisane	Prof. B.M. Naik	Assessment of status of seed borer (<i>Trymalitismargarias</i> Meyrick) in Navsari and Valsad districts of south Gujarat and insecticide residue	Accepted with following suggestions: 1. Add market survey (cooperative and open) and correlated with resistance analysis. 2. Mention the name of two

					molecules (Chlorpyrifos and Combination product).
2.6.5	Kumbhani Mohitkumar B. 2010119050	Dr. C.U. Shinde	Dr. Priya John	Biological attributes, population dynamics, varietal screening and bioefficacy of insecticides against niger aphid, <i>Uroleuconcompositae</i> (Theobald) under south Gujarat condition	<p>Accepted with following suggestions:</p> <ol style="list-style-type: none"> 1. Biological attributes and management of niger aphid, <i>Uroleucon compositae</i> (Theobald). 2. Obj. 2: use word to 'study' instead of to "know". 3. Obj. 3: Screening of genotypes against.... 4. Obj. 4: To study the population dynamics of 5. In 2.6 add observation 1. no. of larvae/plant as an ancillary observation. 6. 2.5.3 recast title: no need to repeat title.
2.6.6	Padaliya Paras J. 2010119064	Dr. H. R. Desai	Dr. Shivangi Kansara	Resistance to insecticides in different field populations of mealybug, <i>Phenacoccusolenopsis</i> Tinsley (Hemiptera: Pseudococcidae) in Bharuch district, Gujarat	<p>Accepted with following suggestions:</p> <ol style="list-style-type: none"> 1. Change title as "Evaluation of resistance to insecticides in field populations of mealybug, <i>Phenacoccus solenopsis</i> Tinsley". 2. Change title of Expt 1: To find out the insecticides resistance against mealy bugs. 3. Change title of Expt 2: To find out the insecticides resistance buildup of the tested insecticide.

					4. Mention the concentrations of insecticides to be used during experiment.
2.6.7	Patel Hiralben G. 2010119081	Dr. H. V. Patel	Dr. S.K.Chawda	Bioefficacy and residual status of different insecticides in/on brinjal fruits	Accepted with following suggestions: 1. Change title as: Bioefficacy of different insecticides against pest complex of brinjal and its residue estimation. 2. Repetitions should be four (4).
2.6.8	Patel Shitalben S. 2010119092	Dr. Snehal Patel	Dr. Priya John	Biology on <i>Aphis craccivora</i> and Enhancement of reproductive potential of <i>Mallada spp.</i> (Neuroptera: Chrysopidae)	Accepted with following suggestions: 1. Discuss with Dr. Abhishek Shukla and Dr. C. U. Shinde for revise proposal with effective title.
2.6.9	Patel Trusharkumar B. 2010119093	Dr. P. D. Ghoghari	Dr. V. A. Patil	Seasonal incidence and efficacy of different modules against sorghum shoot fly, <i>Atherigona soccata</i> (Rondani)	Accepted with following suggestions: 1. Change title as: Seasonal incidence and evaluation of modules against sorghum shoot fly, <i>Atherigona soccata</i> (Rondani). 2. Expt. 2: a) RBD design only, not factorial. b) Methodology of experiment should same as like Mr. Radadiya Nirav V. (Ph. D. student). 3. Discuss with concern station for experiment.

2.6.10	Patel Twinkal A. 2010119094	Dr. J. K. Bana	Dr. Pushpendra Singh	Seasonal incidence and management of major sucking pests of mango, <i>Mangifera indica</i> L. with special reference to hopper complex and thrips in South Gujarat ecosystem	Accepted with following suggestions: 1. Change title as: Seasonal incidence and management of major sucking pest of mango. 2. Title of expt. 2 :Bio efficacy and economics of chemicaland thrips. 2.1 add observation on natural enemy. Expt. 3: Impact of relative toxicity on natural enemy fauna. 3. Expt. 4 should be removed
2.6.11	Patel Zinalkumari K. 2010119095	Dr. R.D. Patel	Dr. K. B. Rakholiya	Bio-efficacy of insecticides against cotton aphid, <i>Aphis gossypii</i> Glover (Hemiptera: Aphididae) and their residual status in cotton seed and lint	Accepted with following suggestions: 1. Remove order and family name from title.
2.6.12	Pateliya Kaushik N. 2010119096	Dr. C. J. Patel	Dr. K. B. Rakholiya	Assessment of sowing time on incidence of insect-pests of okra (<i>Abelmoschus esculentus</i> L.)	Accepted with following suggestions: 1. Change title as: Impact of sowing time on incidence of insect-pests of okra (<i>Abelmoschus esculentus</i> L.) 2. Replication may be 3 instead of 4.
2.6.13	Rathod Meghna A. 2010119108	Dr. C. J. Patel	Dr. Priya John	Bionomics and management of <i>Callosobruchus maculatus</i> Fabricius on stored chickpea <i>Cicer arietinum</i>	Approved
2.6.14	Vaja Sagar G. 2010119125	Dr. G. B. Kalariya	Dr. K. B. Rakholiya	Seasonal incidence and management of mango hopper <i>Amritodus atkinsoni</i> Lethirry during of season	Accepted with following suggestions: 1. Change title as: Incidence and management of mango hopper <i>Amritodus atkinsoni</i>

					Lethirry. 2. Dose of bioagent should be 1×10^8 cfu. 3. Expt. 4 Number of variety to be fixed and their name should mentioned.
2.6.15	Vinod Shubhash Bagoji 2010119132	Dr. M. R. Siddhapara	Dr. Priya John	Biology, population dynamics and bio efficacy of insecticides against fall armyworm, <i>Spodoptera frugiperda</i> (J. E. Smith) under South Gujarat conditions	Accepted with following suggestions: 1. Delete word “under South Gujarat conditions” from research title and objective title.
2.7	M.Sc. (Horti) [Horticultural Entomology]				
2.7.1	Ahir Shreyakumari Kishorbhai 2020219003	Dr. Snehal Patel	Dr. Paresh Patel	Seasonal abundance and pest management of pod borer complex in Indian bean	Accepted with following suggestions: 1. Discuss with Dr. Abhishek Shukla for final proposal.
2.7.2	Kasad Urvaksh Zarir 2020219015	Dr. Snehal Patel	Dr. Viral Prajapati	Seasonal incidence and management of major insect pests of Gladiolus	Accepted with following suggestions: 1. Consult with Dr. Abhishek Shukla and recast proposal.
2.7.3	Vaishnav Avinash Kumar Hiralal 2020219048	Dr. H. V. Pandya	Dr. V. P. Prajapati	Seasonal Abundance and evaluation of botanical extracts against thrips infesting chilli	Approved

Annexure- IV [Technical session: II....continue]

Chairman: Dr. J.J. Pastagia

Co-Chairman: Dr. P.R. Patel

Rapporteurs: Dr. G.B. Kalariya & Dr. H.D. Bhimani

Point No.	Name of the student/Reg. No.	Major Guide	Co-Guide	Title of the Research work	Suggestions
1	2	3	4	5	6
2.8	M.Sc. (Agri) [Plant Pathology]				
2.8.1	Amreliya Madhur S. 2010119004	Dr. Hemant Sharma	Dr. G.B. Kalariya	Morpho-cultural variability and management of <i>Colletotrichum</i> sp. causing sorghum anthracnose	Accepted with following suggestions: 1. Exp 4.1: Four (4) repetition instead of three (3) 2. Change the objective No.1 as “incidence and severity of anthracnose”
2.8.2	Bhalodia Dhruv Ashokbhai 2010119012	Dr. R. R. Waghunde	Dr. C. U. Shinde	Investigation on citrus canker of fruit	Accepted with following suggestions: 1. Exp. 4.2: Explain the method of phytoextraction 2. Title: “Investigations” instead of “Investigation”
2.8.3	Bhukya Srinivas 2010119016	Dr. Vijay A. Patil	Dr. C. U. Shinde	Investigation on bacterial blight of rice caused by <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> and its management	Accepted with following suggestions: 1. Exp. 5: Repetition five (5) instead of four (4) 2. Exp.7: Spacing should be 20cm x 15cm
2.8.4	Chaudhari Kaksha. J. 2010119018	Dr. Pushpendra Singh	Dr. Abhishek Shukla	Studies on Downy mildew of ridge gourd (<i>Luffa acutangula</i> (L.) Roxb.) caused by	Accepted with following suggestions: 1. Title: Remove bracket

				<i>Pseudoperonosporacubensis</i> (Berk. & Curt.) Rostov. Under South Gujarat Conditions	in scientific name & remove “under South Gujarat conditions”
2.8.5	Hariprasath M. 2010119035	Dr. Shivangi S. Kansara	Dr. M. R. Siddhapara	Identification and elimination of fungal contaminants of sugarcane <i>in vitro</i> cultures	Accepted with following suggestions: 1. Title: Change “sugarcane <i>in vitro</i> cultures” to “ <i>in vitro</i> cultures of sugarcane” 2. Exp.3: Change the concentrations to 0.5% instead of 0.1% in all treatment.
2.8.6	K. Prasanthi 2010119041	Dr. Gopalkumar B. Chopada	Dr. S. R. Patel	<i>Penicillium</i> rot of citrus and its management	Accepted with following suggestions: 1. Title: add word “ecofriendly” before management 2. Season should be kharif 3. Exp. 5.4.2.1: Remove hydrogen peroxide 4. Remove SEM (electrone microscopy) 5. Exp. 5.2.2: Remove fungicide experiment 6. In each experiment, repetition should be four (4) where treatment is six (6)
2.8.7	Kavad Dharmesh Bholabhai 2010119043	Dr .D.M. Pathak	Dr. D.R.Patel	Survey and epidemiological studies on bacterial blight (<i>Xanthomonasaxonopodispv. malvacearum</i>) in cotton growing areas	Not Accepted : suggestions: 1. Insufficient experimental work, so

					recast/reframe the entire research proposal in consultation with Dr. Sandipan, Cotton research station, Surat
2.8.8	Patel Aakash V. 2010119075	Dr. J. R. Pandya	Dr. S. R. Patel	Anti-microbial potentiality of indigenous and naturalized plants against major phytopathogens.	Accepted with following suggestions: 1. Exp. 6.4: Repetition should be six (6) instead of five (5)
2.8.9	Patel Payalben Rajubhai 2010119086	Dr. S. K. Chawda	Dr. H. V. Patel	Studies on fusarium (<i>Fusarium</i> sp.) wilt of pointed gourd and it's management	Accepted with following suggestions: 1. Title: Remove brackets 2. Title: change the title as – Studies on wilt of pointed guard cause by <i>Fusarium</i> sp. and its management
2.8.10	Patoliya Prashant Rajeshbhai 2010119099	Dr. KedarNath	Dr. A. G. Shukla	Investigation of rice seedling blight under nursery condition	Accepted with following suggestions: 1. Write method for proving pathogenecity 2. Exp. 4.2: correct the concentration in ppm in all treatment
2.8.11	Pooja Purushotham 2010119102	Dr. K. B. Rakholiya	Dr. A. G. Shukla	Symptomatology and management of anthracnose of green gram	Accepted with following suggestions: 1. change the title as “Investigations on anthracnose of green gram” 2. Treatment No. to be change “7” instead of

					<p>“6”</p> <p>3. Task no. 3: remove trade name and check treatment No. T7, T8 and T9</p> <p>4. Number of genotype/variety to be increased in screening trial, pot experiment</p> <p>5. % disease incidence to be revise as % intensity</p>
2.8.12	Savsani Harsh Jayeshbhai 2010119113	Dr. V. P. Prajapati	Dr. M. R. Siddhapara	Investigations on collar rot of elephant foot yam under South Gujarat condition	<p>Accepted with following suggestions:</p> <p>1. Remove Exp. 4.3</p>
2.8.13	Sojitra Chirag J. 2010119116	Dr. Hemant Sharma	Dr. P.D. Ghoghari	Association of seed mycoflora with fenugreek (<i>Trigonella foenum-graecum</i> L.) and their management	Accepted
2.8.14	Tandel Niti Dipakbhai 2010119123	Dr. KedarNath	Dr. Abhishek Shukla	Investigation of sorghum leaf blight under South Gujarat	<p>Accepted with following suggestions:</p> <p>1. Exp.7.3: Repetition should be 3</p> <p>2. Exp 7.4 (b): Correct doses <i>in vitro</i></p>
2.8.15	Vahia Chandralekha Gunvantbhai 2010119124	Dr. D.H. Tandel	Dr. S. R. Patel	Prevalence, loss assessment and management of stem end rot disease of mango (<i>Mangifera indica</i> L.)	Accepted
2.8.16	Vanani Krutika Dharmendrabhai 2010119128	Dr. K. B. Rakholiya	Dr. G. B. Kalariya	Symptomatology and management of leaf spot of mango seedling/ mango graft	<p>Accepted with following suggestions:</p> <p>1. Title: revise it as “Investigations on leaf spot of mango seedlings”</p> <p>2. Identification from ITS</p>

					marker 3. Morphological, cultural and molecular "identification" of pathogen
2.9	M.Sc. (Horti) [Horticultural Plant Pathology]				
2.9.1	Abhigya Bharati 2020219001	Dr. P. R. Patel	Dr. H. V. Pandya	Investigation of seed mycoflora of tomato and its management	Accepted with following suggestions: 1. Title: Remove brackets
2.9.2	Kunvar Hetal Ramanbhai 2020219016	Dr. V. P. Prajapati	Dr. H. V. Pandya	Studies on seed mycoflora of bottle gourd and its management	Accepted
2.10	M.Sc. (Agri.) [Agril. Microbiology]				
2.10.1	Kikani Pratiksha Sureshbhai 2010119048	Dr. Harish Suthar	Dr. Paresh Patel	Effect of plant growth promoting bacterium on sugarcane in different type of soils	Accepted
2.10.2	Nayka Shivang S. 2010119062	Dr. H. D. Bhimani	Dr. G. B. Chopada	Isolation, screening and characterization of cellulolytic bacteria from sugarcane pressmud	Accepted
2.10.3	Rakholiya Akshay K. 2010119105	Dr. H. D. Bhimani	Dr. K. B. Rakholiya	Isolation, screening and characterization of cellulolytic actinomycetes from sugarcane pressmud	Accepted
2.10.4	Vekariya Alpeshkumar Kanubhai 2010119130	Dr. M. D. Khunt	Dr. D. H. Tandel	Evaluation of growth promotion in mungbean (<i>Vigna radiata</i> L.) by bacterial endophytes	Accepted



**Convener, PG-RAG (Crop Protection) &
Professor and Head
NMCA, NAU, Navsari**