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UNIVERSITY OF AGRICULTURAL SCIENCES
Pesticide Residue and Food Quality Analysis Laboratory
(NABL Accredited Laboratory as per ISO/IEC 17025:2017)

Dr. M. Bheemanna
Professor (Ent.) and University Head

P.B. No. 329,
UAS, Raichur- 584 104, Karnataka.

No. UASR/PRFQAL/621 /2021-22

Date: 05.11.2021

CERTIFICATE

This is to certify that, **Dr. Harischandra Naik R, Assistant Professor of Agricultural Entomology, Pesticide Residue Food and Quality Analysis Laboratory, UAS, Raichur** has been involved in the Under graduate and Post graduate teaching of the following courses. The details are as follow.

I. UG Teaching

Sl. No	Course Title and credit hours	Teaching aid Developed	Manual	Course Teacher/ Co-Course Teacher
1	1. AET 101, General Entomology, (2+1)	Prepared	Prepared	**Course Teacher**
2	2. AET 201, Economic Entomology, (2+1)	Prepared	Prepared	**Course Teacher**
3	3. AET 301, Crop pests and their management, (2+1)	Prepared	Prepared	**Course Teacher**
4	4. AET-EXL 422, Diagnosis of crop pests and their management (0+7)	Prepared	Prepared	**Course Teacher**
5	5. ELC 202, Agrochemicals (2+1)	Prepared	Prepared	**Co-Course Teacher**

II. PG-Teaching

Sl. No	Course Title and credit hours	Teaching aid Developed	Manual	Course Teacher/ Co-Course Teacher
1	AET 508-Toxicology of Insecticides	Prepared	Prepared	**Course Teacher**
2	AET 607-Advanced Insecticide Toxicology	Prepared	Prepared	**Course Teacher**
3	AET 619-Advanced Insect Pest Management	Prepared	Prepared	**Co-Course Teacher**

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P.B. No. 329,
UAS, Raichur- 584 104, Karnataka.

No. UASR/PRFQAL/622 /2021-22

Date: 05.11.2021

CERTIFICATE

This is to certify that, **Dr. Harischandra Naik R, Assistant Professor of Agricultural Entomology, Pesticide Residue Food and Quality Analysis Laboratory, UAS, Raichur** worked as chairman of the advisory committee of the following below mentioned Master degree (M.Sc (Agri.)) Students at the Department of Agricultural Entomology, College of Agriculture, UAS, Raichur. The details are as follow.

Sl. No.	Name of the Student	Department	Chairman / Member	Year	Remarks
1	Mr. Rahul Chawan PG16AGR8022	Agril. Entomology	Chairman	2016-17	Completed
2	Mr. Sangameshwar Vijayakumar PG17AGR9032	Agril. Entomology	Chairman	2017-18	Completed
3	Ratnamma PG17AGR9029	Agril. Entomology	Chairman	2017-18	Completed
4	Poornima G PG18AGR 10019	Agril. Entomology	Chairman	2018-19	Completed
5	Naseema H PG19AGR11020	Agril. Entomology	Chairman	2019-20	Completed
6	Shivaraj G PG20AGR12024	Agril. Entomology	Chairman	2020-21	Ongoing

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No. UASR/PRFQAL/ 693 /2021-22

Date: 05.11.2021

CERTIFICATE

This is to certify that, **Dr. Harischandra Naik R, Assistant Professor of Agricultural Entomology, Pesticide Residue Food and Quality Analysis Laboratory, UAS, Raichur** has been involved in the development of the following technologies for Zone 1, 2 & 3 which has been accepted for inclusion in "Package of Practices" of UAS, Raichur. Further, he has involved in the NABL accreditation activity and filed a patent. The details are as follow.

Sl. No	Details of Product/Technology/Discoveries/Software *	Developer/Co-developer/ Associate
1	A method for quantification of indoxacarb in a pigeon pea green, mature pods and soil using LC-ESI-MS/MS. Application for the Australian Innovative Patents has been filed and it is final stage of the approval	Contributor/~~Developer~~
2	Management of fall army worm using novel mode of action insecticides (emamectin benzoate @ 0.2 g/L).	Contributor/ ~~Developer~~
3	Use of wetting and spreading agent on the efficacy of Insecticides against insect pests in Sunflower"	Contributor/ ~~Developer~~
4	Developed the methodology for 74 insecticides in LC-MS/MS and GC-MS/MS for analysis in cereals, pulses, fruits and vegetables and Obtained the NABL accreditation as per the ISO/IEC17025: 2005 and 2017.	Contributor/ ~~Developer~~

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