

# DEPARTMENT OF ENTOMOLOGY

Faculty position:

1. Dr. Awani Kumar Singh  
Associate Professor & Head
2. Dr. Umesh Chandra  
Assistant Professor

U.G. programme began in 1978.

P.G. programme began in 1982.

# RESEARCH WORK (2015- ONWARD)

Dr. AWANI KUMAR SINGH

(i) NAME OF PROJECT WITH FUNDING AGENCIES: NIL

(ii) PROJECT SUBMITTED: NIL

(iii) PUBLICATIONS: 13

(NAAS rating 2.8-5.51)

(iv) RECOMMENDATION/PRODUCT DEVELOPMENT:

1. Emamectin benzoate 5 SG @ 10 g. a.i./ha. was found most effective for control of larval population of pea pod borer (*Etiella zinckenella*).
2. Spray of Cartap hydrochloride 75 SG @ 75 g. a.i. was found most effective in minimizing dead hearts by yellow stem borer, *Scirpophaga incertulas* in rice.

# TEACHING WORK (2015 ONWARD)

SEMESTER	NAME OF COURSE	CREDIT HOURS	SELF CREDIT LOAD
I	ENT-511: Insect Morphology	2(1+1)	2(1+1)
	ENT-516: Insect Systematics	2(1+1)	2(1+1)
	ENT-614: Advanced Insect Systematics	2(1+1)	2(1+1)
	ENT-211(N): Insect Morphology & Systematics	3(2+1)	1.5
	ENT-591: M. Sc.(Ag) Seminar	1(0+1)	0.5
	ENT-691: Ph.D. Seminar	1(0+1)	0.5
	ENT-600: M.Sc. (Ag.) Research	Variable	Variable
	ENT-700: Ph.D. Research	Variable	Variable
II	ENT-522: Insect Anatomy, Physiology & Nutrition	3(2+1)	1.5
	ENT-121(V): Fundamentals of Entomology	4(3+1)	1.33
	CEL (N) II-3: Non-Insect Pests and Their Management	3(2+1)	3(2+1)
	ENT-591: M. Sc.(Ag) Seminar	1(0+1)	0.5
	ENT-691: Ph.D. Seminar	1(0+1)	0.5
	ENT-600: M.Sc. (Ag.) Research	Variable	Variable
	ENT-700: Ph.D. Research	Variable	Variable

NO.OF STUDENTS GUIDED: M.Sc. (06) Ph.D. (00)

NO.OF STUDENTS GUIDING: M.Sc. (05) Ph.D. (02)

WORK PLAN FOR 2018-2019: Work will be done on management of gram pod borer, white fly & hairy caterpillar.

RESEARCH WORK (2015- ONWARD)  
DR. UMESH CHANDRA

(i) NAME OF PROJECT WITH FUNDING AGENCIES:

- AICRP ON HONEY BEES & POLLINATORS funded by ICAR & State Govt.(75%+25%)

(ii) PROJECT SUBMITTED: NIL

(iii) PUBLICATIONS: 10

(NAAS rating 3.16 to 5.81)

(iv) RECOMMENDATION/PRODUCT:

- Bee pollination resulted in yield enhancement in Coriander, Pumpkin, Guava, Phalsa, Mango, Ber and Bael.

# TEACHING WORK (2015 ONWARD)

SEMESTER	NAME OF COURSE	CREDIT HOURS	SELF CREDIT LOAD	
I	Educational Tour Chairman	2(0+2)	0.5	
	ENT-311(N)- Insect ecology and Integrated Pest Management	3(2+1)	3(2+1)	
	RAWE-411 Co-coordinator	20(0+20)	20(0+20)	
	ENT- 515- Insect pests of field crops	2(1+1)	2(1+1)	
	ENT-517- Biological control	3(2+1)	3(2+1)	
	ENT- 518- Toxicology of insecticides	3(2+1)	3(2+1)	
	ENT-519- Insects of industrial importance	3(2+1)	3(2+1)	
	ENT-611: Advanced in Insect Pest Management	1(1+0)	1(1+0)	
	ENT-612: Advances in Biological Control	1(1+0)	1(1+0)	
	ENT-591- M. Sc.(Ag) Seminar	1(0+1)	0.5	
	ENT-591- Ph.D. Seminar	1(0+1)	0.5	
	ENT-600: M.Sc. (Ag.) Research	Variable	Variable	
	ENT-700: Ph.D. Research	Variable	Variable	
	II	ENT-121(V)- Fundamental Entomology	4(3+1)	1.33
		ENT-221 (N) - Insect Pests of Crops & Stored Grains and their management	3(2+1)	3(2+1)
CELL-421(N)II-I : Integrated Pest Management		2(1+1)	2(1+1)	
CELL-421(N)II-4: Apiculture		2(0+2)	2(0+2)	
ENT- 526- Insect pests of Fruits, Vegetables and Medicinal plants		3(2+1)	3(2+1)	
ENT- 523- Integrated Pest Management		3(2+1)	3(2+1)	
ENT-622: Advances in Toxicology of Insecticides		2(1+1)	2(1+1)	
ENT-623: Quarantine Entomology		1(1+0)	1(1+0)	
ENT-591- M. Sc.(Ag) Seminar		1(0+1)	0.5	
ENT-591- Ph.D. Seminar		1(0+1)	0.5	
ENT-600: M.Sc. (Ag.) Research		Variable	Variable	
ENT-700: Ph.D. Research		Variable	Variable	

No..of Students Guided: M.Sc. (08) Ph.D. (02)  
 No..of Students Guiding: M.Sc. (08) Ph.D. (03)

- WORK PLAN FOR 2018-2019: 1. Projects on **Bee Keeping** and **Bio-agent production** will be prepared  
 2. Teaching manuals will be prepared on respective courses.  
 3. Students research trials will be conducted on different aspects.  
 4. Teaching work will be done as per instruction of HOD.