



👤 Dr. Umesh Chandra
📧 In-charge
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ABOUT THE DEPARTMENT

The Department of Entomology came into existence in 1977 with the start of under graduate teaching in agriculture leading to B. Sc. (Ag.) under the college of Agriculture. The teaching of Postgraduate programme began in 1978. The of Ph.D. programmes began in 1982 under the Headship of Dr. S.M.A. Rizvi and further strengthened with the appointment of Dr. Ram Singh, Associate Professor, Dr. R.C. Sharma and Dr. A.K. Singh as Assistant Professor. The faculty strength of the department was increased with the appointment of Dr. Umesh Chandra, Incharge and Dr. Sameer Kumar Singh as Assistant Professor. Till now department has produced 215 M.Sc. (Ag) and 44 Ph.D. students. Major achievements of the department have been in the field of developing highly skilled personnel placed in reputed institutions, state department of Agriculture and Public Sector Undertakings. The technologies developed by the department are being regularly transferred to the farmers by the university. A major achievement of the department has been striking a balance in pursuing both the basic and applied aspects of entomology.

THRUST AREAS

1. To develop effective resident instruction program in entomology.
2. To develop and strengthen different fields of specialization in entomology.
3. To generate basic and applied information based on ecology, systematics, toxicology, physiology, molecular biology and economic entomology to develop sustainable insect pest management in different crops/cropping systems.
4. To develop technology for propagation and strain improvement of useful insects and quality of their products.
5. To transfer technology developed for management of insect pests to end users.

VISION

To be a leader in Entomological science by promoting quality education and multi-disciplinary research and extension in various fields of Entomology.

MANDATE

1. To produce, scientifically and technically trained sound postgraduate human resources, who could take over the responsibility and challenges of Entomology in future.
2. To formulate feasible and specific pest management packages of practices for different crops to meet out the future demand and optimization of farmers' income especially under agro climatic condition of eastern U.P.
3. To demonstrate and trained the farmers in integrated pest management practices.

FACULTY MEMBERS



👤 Dr. Umesh Chandra
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Research Area: Economic Entomology, Integrated Pest Management, Biological Control, Apiculture and Toxicology of Insecticides, Agricultural Drone.



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PROGRAMMES OFFERED

1. M. Sc. (Ag.) Entomology
2. Ph.D. Entomology

COURSE OUTLINES

B.Sc. (Hons.) Agriculture			
Year Semester	Course Code	Course Title	Credit Hours
I Year II Semester	ENT-121	Fundamentals of Entomology	4 (3+1)
III Year I Semester	ENT-311	Pests of Crops and Stored Grain and their Management	3(2+1)
III Year I Semester	ENT SS-311	Biopesticides & Biofertilizers (Elective)	3(2+1)
III Year II Semester	ENT-321	Management of Beneficial Insects	2(1+1)
IV Year II Semester	ELP-425	Commercial Beekeeping	10 (0+10)
B.Sc. (Hons.) Horticulture			
II Year I Semester	ENT-211 (H)	Fundamentals of Entomology	3(2+1)
II Year II Semester	ENT-221 (H)	Insect Pests of Fruit, Plantation, Medicinal & Aromatic Crops	3(2+1)
III Year II Semester	ENT-321 (H)	Apiculture, Sericulture and Lac culture	2(1+1)
III Year II Semester	ENT-322 (H)	Insect Pests of Vegetable, Ornamental and Spice Crops	3(2+1)
M. Sc. (Ag.) New Courses			
I Year I Semester	ENT 501*	Insect Morphology	3 (2+1)
	ENT 502*	Insect Anatomy and Physiology	3 (2+1)
	ENT 504*	Insect Ecology	3 (2+1)
	ENT 515	Techniques in Plant Protection	1 (0+1)
I Year II Semester	ENT 503*	Insect Taxonomy	3 (1+2)
	ENT 505*	Biological Control of Insect Pests and Weeds	3 (2+1)
	ENT 510*	Pests of Horticultural and Plantation Crops	3 (2+1)
	ENT 511*	Post-Harvest Entomology	2 (1+1)
	ENT 507	Host Plant Resistance	2 (1+1)
	ENT 513	Principles of Acarology	2 (1+1)
	ENT 514	Vertebrate Pest Management	2 (1+1)
	ENT 519	Molecular Approaches in Entomology	3 (2+1)
	ENT 520	Plant Quarantine, Biosafety and Biosecurity	2 (2+0)
	ENT 521	Edible and Therapeutic Insects	2 (1+1)
II Year I Semester	ENT 522	Medical and Veterinary Entomology	2 (1+1)
	ENT 506*	Toxicology of Insecticides	3 (2+1)
	ENT 509*	Pests of Field Crops	3 (2+1)
	ENT 508*	Concepts of Integrated Pest Management	2 (2+0)
	ENT 516	Apiculture	3 (2+1)
	ENT 517	Sericulture	3 (2+1)

	ENT 518	Lac Culture	3 (2+1)
	ENT 523	Forest Entomology	2 (1+1)
II Year II Semester	ENT 591	Master's Seminar	1 (0+1)
	ENT 599	Master's Research	30 (0+30)
Ph.D. New Courses			
I Year I Semester	ENT 602**	Insect Physiology and Nutrition	3 (2+1)
	ENT 604	Insect Behaviour	2 (1+1)
I Year II Semester	ENT 601**	Insect Phylogeny and Systematics	3 (1+2)
	ENT 607	Plant Resistance to Insects	2 (1+1)
II Year I Semester	ENT 603**	Insect Ecology and Diversity	3 (2+1)
	ENT 610	Integrated Pest Management	2 (2+0)
II Year II Semester	ENT 606**	Insect Toxicology and Residues	3 (2+1)
	ENT 609	Molecular Entomology	2 (1+1)
III Year I Semester	ENT 605**	Bio-inputs for Pest Management	3 (2+1)
	ENT 691	Doctoral Seminar – I	1 (0+1)
III Year II Semester	ENT 692	Doctoral Seminar – II	1 (0+1)
	ENT 699	Doctoral Research	75 (0+75)
M. Sc. (Ag.) Old Courses			
I Year I Semester	ENT-511	Insect Morphology	2(1+1)
	ENT-512	Insect Ecology	2(1+1)
	ENT-515	Insect Pests of Field Crops	3(2+1)
	ENT-516	Insect Systematics	2(1+1)
	ENT-518	Toxicology of Insecticides	3(2+1)
I Year II Semester	ENT-522	Insect Anatomy, Physiology and Nutrition	3(2+1)
	ENT-523	Integrated Pest Management	3(2+1)
	ENT-524	Insect Resistance in Crop Plants	2(1+1)
	ENT-526	Insect pests of Fruit, Vegetables, Spices and Ornamental Plants	3(2+1)
	ENT-527	Storage Pests and their management	2(1+1)
II Year I Semester	ENT-517	Biological Control	3(2+1)
	ENT-519	Insects of Industrial Importance	3(2+1)
	ENT-591	M.Sc. (Ag.) Seminar	1 (0+1)
	ENT-600	M.Sc. (Ag.) Research	20 (15+5)
Ph.D. Old Courses			
I Year I Semester	ENT-611	Advanced Insect Pests Management	1 (1+0)
	ENT-612	Advances in Biological Control	2 (1+1)
	ENT-613	Quarantine Entomology	1 (1+0)
	ENT-614	Advanced Insect Systematics	2 (1+1)
I Year II Semester	ENT-622	Advances in Toxicology of Insecticides	2(1+1)
	ENT-623	Advanced Insect Ecology	2(1+1)
	ENT-624	Advances in Insect Physiology	2(2+0)
II Year II Semester	ENT-625	Molecular Approaches in entomological Research	2(1+1)
	ENT-691	Ph.D. Seminar	2 (0+2)

	ENT-700	Ph.D. Research	45 (0+45)
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***Compulsory Major Courses for M.Sc. (Ag.) and **Compulsory Major Courses for Ph.D.**

CONTACT DETAILS



In-charge

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College of Agriculture

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GLIMPS OF THE DEPARTMENT





View of different Laboratories



View of Departmental Insect Museum



View of Departmental Library





Students working in the *Corcyra* rearing Lab