

Biography

Dr. Sushil Kumar

**Ex-Professor & Head and Ex- Principal Investigator, RKVY Project
Department of Plant Protection
Faculty of Horticulture and Forestry
Navsari Agricultural University, Navsari - 396450 (Gujarat)**

Dr. Sushil Kumar born on January 16th, 1958, obtained B.Sc.(Ag.) and M.Sc. (Ag.) degrees from University of Udaipur and joined Rajasthan Agricultural University as Research Associate in 1982 and later joined Gujarat Agricultural University as Assistant Professor in 1988 and Associate Professor in Navsari Agricultural University in 2006. He served in ICAR Projects (GOI) (AICRP Sub-tropical Fruits, Tropical Fruits and NICRA) for 18 years. He has served as Professor and Head Entomology and Plant Protection in the Faculty of Horticulture and Forestry of Navsari Agricultural University, Navsari, Gujarat for more than 10 years. His total teaching, research and extension experience is of more than 36 years. He has two Ph.D. degrees *viz*; in Agricultural Entomology as well as in Forest Entomology from Navsari Agricultural University and Forest Research Institute, Dehradun, respectively to his credit. He has also passed MBA degree from Pondicherry University. He has passed 19 e-courses (certificate awarded by IIT Kanpur and Commonwealth of Learning British Columbia), published 237 research papers, books, chapters, booklets, articles, and Technical bulletins and is a Life member of many scientific bodies. He has chaired many International and National seminars, symposia and webinars and contributed significantly to Horticultural Entomology and research on mango in particular spanning over three decades with emphasis on ecological studies, IPM module, pest forecasting models as well as pest map and pest calendar. In Forest Entomology, he identified major insect-pests of important tree species *viz*; teak (*Tectona grandis*), Hed (*Haldina cordifolia*), Sisham (*Dalbergia sissoo*), Rosewood (*D. tomentosa*), Arjun (*Terminalia arjuna*), Arjun Sadad (*T. tomentosa*), bamboo, Mahuva (*Madhuca sativa*) and *Eucalyptus* and their natural enemies in Gujarat. He was associated with release of mango hybrid “SONPARI”. He is a recipient of eight awards (national level) including prestigious Dr. APJ Abdul Kalam Award instituted by IRDP, Chennai. He handled the first ATMA Project of Valsad district (Gujarat) as Project Director (2005-2007), 10 projects as Principal Investigator, Nodal Officer and ICAR sponsored Winter School as Course Director. He is a member of editorial boards of several journals. He has guided 13 scholars in Agricultural Entomology and 6 in Forest Entomology. Recently, he organized the first ever National Symposium of Pests and Diseases at NAU; Navsari.

BRIEF RESUME



Submitted by



Dr. Sushil Kumar

**Ex- Professor and Head
Department of Plant Protection
ASPEE College of Horticulture and Forestry
Navsari Agricultural University
Navsari – 396450 (Gujarat)**

1. **Name** : **SUSHIL KUMAR**
2. **Father's Name** : Late Shri Prem Kumar Saxena
3. **Date of birth** : 16.01.1958
4. **Educational qualifications** :
 1. **B,Sc. (Ag.)** (University of Udaipur)
 2. **M.Sc. (Ag.) in Entomology**
(University of Udaipur)
 3. **M.B.A (General)**
(Pondicherry University)
 3. **Ph.D. in Forest Entomology**
(Forest Research Institute, Dehradun)
 4. **Ph.D. in Agricultural Entomology**
(Navsari Agricultural University)
5. **Post Graduate Research (M.Sc. Agriculture) (JRF - Union Carbide)** : **Thesis entitled**
Comparative bio-efficacy of Sevisulph 40:50 WP against pest complex of brinjal over its individual components and a field mixture of the two
6. **Masters of Business Administration (General)** : **Project Report**
Study on Microfinance
7. **Doctoral degree research (Ph.D Forest Entomology)** : **Thesis entitled**
Population dynamics, bionomics and control of Rhinoceros beetle, *Oryctes rhinoceros* in Oil Palm
8. **Doctoral degree research (Ph.D Agril. Entomology)** : **Thesis entitled**
Population dynamics and some management aspects of Mango hopper

9. **e-Courses** : **Passed e-courses (certificates** awarded jointly by IIT Kanpur, University of Agricultural Sciences Raichur and Commonwealth of Learning British Colombia) courses
1. Integrated Pest Management
 2. Weather forecast in Agriculture and Agro-Advisory
 3. GIS in Ag essentials and Applications
 4. *Fasal Utpadan ke Mulbhoot Siddhant* (Hindi)
 5. Agriculture value chain management
 6. Basics of Entrepreneurship development in Agriculture
 7. Integrated Pest Management
 8. Fundamentals of Agricultural Extension
 9. Integrated Disease Management
 10. Fundamentals of Agricultural Extension
 11. Resource Management in Rainfed Drylands
 12. Detection, diagnosis and Management of Plant diseases
 13. e-Extension
 14. Design thinking for Agricultural Implements
 15. Conservation Agriculture-based Sustainable Intensification
 16. Diagnosis of Crop and Stored Grain Pests and their Management
 17. Employment Generation among Rural Youth through Agripreneurship
 18. Fundamentals of Agricultural Extension
 19. Integrated Pest Management (IPM)
10. **Summer/Winter Institute/ Training** : 10
11. **Experience** : **Total Experience : 36 years**
1. Research Associate (Lecturer cadre) (5 years)
 2. Assistant Professor (11 years)
 3. Associate Professor Cadre (10 years)
 4. Professor and Head (HOD) (> 10 years)
 5. Convenor (Plant Protection) of Agril. (2 years)

12. **PG Guidance** : **PG Guide/Advisor : 19 (14 PG + 5 Ph.D)**
1. 9 as PG Guide/Advisor in Entomology
 2. 4 as Doctoral degree Guide in Entomology
 3. 5 as PG Minor Advisor in Forest Entomology
 4. 1 as PhD Minor Advisor in Forest Entomology
13. **Member of Professional Bodies** : **16**
1. Life member of Professional (5)
 2. Member, Advisory board of journals(4)
 3. Scientific Referee International Journal (1)
 4. Associate Editor of Journal (1)
 5. Member Board of Studies (2)
 6. Member, Agriculture Research Council (2)
 7. Vice President, Entomological Research Association, Udaipur
14. **Honour/Award** : **15**
1. Young Scientist Award
 2. Fellowship Award
 3. Rashtriya Gaurav Award
 4. APJ Abdul Kalam Life time Achievement Award
 5. Best Paper Award (Oral presentation)
 6. Chairman/Convenor Technical session (4)
 7. Co- Chairman, Technical session (3)
 8. Dr. BV David Foundation Life Time Achievement Award
 9. AZRA Honorary Fellowship Award-2019 by AZRA Foundation, Odisha and UAS Raichur in 2020
 10. OUTSTANDING SCIENTIST AWARD by 6th International Scientists Awards on Engineering, Science and Medicine organized by VDGGOOD Professional Association, Chennai in 2020 at Chennai

15. **Project Handled as PI** : **11**
 1. P.I. : 08
 2. Co-P.I. : 01
 3. Course Director ICAR Winter School: 01
 4. Organizing Secretary National Symposium : 01
16. **Publication** : **237 publications**
 1. Research paper International Journal: 17
 2. Research paper National Journal : 86
 3. Paper accepted for publication : 01
 4. Research papers presented in International Seminar/symposia : 20
 5. Research papers presented in National Seminar/symposia : 73
 6. Research paper presented in state level seminar : 01
 7. Popular Extension articles published : 14
 8. Booklets/book chapter published : 12
 9. Training/Practical manual published : 13
17. **Seminar/Symposium/workshop attended** : **685**
 1. International : 11
 2. National : 35
 3. State level : 07
 4. Webinar : 03
 5. Workshop : 12
18. **Transfer of technology** : **21**
 1. Farming community : 10
 2. Scientific community : 11

19. **Salient Research achievements :**

1. **First ever Pest resurgence studies on mango hopper and thrips in India**
2. First ever Transfer of Technology on sucking insect-pests of mango using novel insecticides imidacloprid and thiamethoxam in Gujarat.
3. Associated in the varietal release of mango hybrid "**SONPARI**".
4. Quantification of crop loss due to mango hopper incidence has been done for the first time in Gujarat.
5. Spatial distribution of mango hopper for the first time in Gujarat.
6. **Spatial distribution of mango leaf gall midge for the first time in India.**
7. Development of pest prediction models for major sucking pests as well as mango fruit fly- **First ever model for mango in Gujarat.**
8. Development of pest calendar and pest distribution map of mango in South Gujarat - **First time on mango in Gujarat.**
9. Pest distribution map and pest calendar for major insect-pests of teak in South Gujarat - **First time on forest tree species in Gujarat.**
10. First ever study on the role of Allelochemicals for the management of hopper and thrips, in Gujarat.
11. Role of predatory spiders against mango hopper for the first time in Gujarat.
12. Role of paclobutrazol (CULTAR) for induction of regular and uniform flowering in Mango-Alphonso.
13. Comparative loss assessment and quantification due to mango hopper.
14. Identification of species biodiversity of major insect-pests of teak and their geographical distribution in South Gujarat has been studied for the first time.
15. Seasonal incidence of leaf webber cum fruit borer has been studied for the first time on *Jatropha curcas* in Gujarat.
16. Biodiversity of insect-pests and natural enemies of forest.
17. In terms of field efficacy, botanicals like Neemark, *Gliricidia* leaf extract and Achook were at par with conventional insecticides and gave attractive ICBR.
18. Research on quarantine pest of mango in mango growing areas of Gujarat.
19. Biodiversity studies of pests of pigeonpea, okra and tomato in relation to farming system.
20. Non pesticidal management research in pigeonpea.
21. Cropping system based research on major pests in pigeon pea, okra and tomato

19. **Contact details** :

Dr. Sushil Kumar

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