Curriculum Vitae

Name (in Capital Letters)	**S. MOHAN**			
Date of Birth (dd / mm / yyyy)	24.12.1958			
Age	68 years			
Place of Birth	PONDICHERRY			
Nationality	INDIAN			
Mother Tongue	TAMIL			
Permanent Address	No. 43, Flat 2B, Celsian Canopy, Father Randy Street, R.S.Puram, Coimbatore 641 002, Tamil Nadu, India.			
Designation	Professor of Agricultural Entomology			
Qualification	Doctor of Philosophy in Stored Product Insect Management			
Experience	35 Years as Scientist in my area of specialization			
Phone. No	Mobile No.	+91 9488458006	Website	www.mohantrap.com
Email	sarmamohan@hotmail.com			

PROFESSIONAL EXPERIENCE

Technical Consultant for Sri Vrintha Traders, Coimbatore, India Jan 2019 – Present

Promoting young entrepreneur through technical guidance intensifying his efforts to sell Green gadgets developed by me for the Stored Product Insect Management. Notable among this is the Indian Patent 198434 to produce a machine toclear insects from stored grains, thus paving the way for post-harvest insect free storage revolution in India and in South-East Asia. This effort is the first of its kind and has led to the use of about 1000 machines in India and countries namely Oman, Dubai, Saudi Arabia, Qatar, Philippines, UK, USA and Australia. The entrepreneur manufacturing and marketing this machine Mr. Balaji, Managing Director of Sri Vrintha Traders, Coimbatore, Tamil Nadu was one of the Invited Indian delegates for the meeting organized by FIEO (Federation of Indian Export Organization) in association with Embassy of India, Riyadh and Consulate General of India, Jeddah with Indian food and agricultural

industries. The meeting was held at Saudi Arabia from 12 th -16 th June 2022. This expands the avenue of exports of the machine to Saudi Arabia (https://www.eoiriyadh.gov.in/news_detail/?newsid=59).

Consultant for TATA Consumer Products Limited Oct 2020 – Jan 2021

- Consultant for Stored Product Insect Management in split pulses

Ph. D program Review Committee Member of Sultan Qaboos University (SQU), Oman

- Served as a member of the Ph. D academic program review team at the Department of Crop Science Department, Sultan Qaboos University (SQU), Oman to assess the quality of the program and to identify areas for improvement. (SQU is Oman's largest and oldest public university, established in 1986 in Al Khoudh, near Seeb, and is the country's only public university).

Professor of Agricultural Entomology 21.10.2000 to 31.12.2018

S.No	Date of appointment	Institution / University	From	To
1	Professor	Tamil Nadu Agricultural University	21.10.2000	31.12.2018
2	Associate Professor	Tamil Nadu Agricultural University	19.03.1997	20.10.2000
3	Assistant Professor	Tamil Nadu Agricultural University	21.10.1983	18.03.1997

* Retd from service on 31.12.2018.

Summary of scientific achievements

I, through my 35 years of academic career made our beloved country - "One of the world leaders in the field of monitoring of stored product insects" as evinced by my invitation to deliver key note address about My achievements in the 11th International Working conference on Stored Product Protection, November 24-28, 2014, Chiang Mai, Thailand.

- Designed a variety of tools, ranging from simple gadgets to machines produced indigenously to remove not only adult insects but also their life stages (egg, larvae, pupae) and demonstrated their utility in real life.
- Developed seven useful gadgets in this regard and an educational kit containing prototype of these gadgets for teaching and training. This is widely used in Agricultural Institutions in our country for teaching and training.
- **Letter of appreciation from FAO** for development of TNAU kit for stored product insects and acceptance to circulate the leaflet in this regard in the various departments within FAO. Enclosed in Awards section below.
- Patented two of my inventions:
    - A device to remove insects and their life stages from stored grains (Indian Patent 198434) and (ii)
    - A stack probe trap for warehouses (Indian Patent284727).

Recognized by the Tamil Nadu Government and the Government of India through 5 awards, besides 7 Institutional and Agricultural society Awards. During my 35 years of academic career, I made our beloved

country "one of the world leaders in the field of stored grain insect monitoring and management "as is evident from the invitation to deliver the keynote address in **the 11th international Working Conference on stored Product protection in November 24-28, 2014, Chiang Mai, Thailand. Guided eleven MSc and 7 Doctoral Students in his area of specialization. Notable among them is Dr. Pretheepkumar, who won the Indian Council of Agricultural Research Award in 2004 - Jawaharlal Nehru Award for best post graduate research.**

Besides Post Graduate education, I was appointed by TamilNadu Government as Chairman twice (in 2010 and in 2018), to revamp and revitalize the curriculum in Agricultural Schools (11 and 12 standards) in Tamil Nadu where I introduced for the first time Practicals in the syllabus and made the curriculum more practical covering agriculture and allied subjects and thus made these students who studied the revised curriculum to be eligible for Bachelor of Science in Veterinary Science besides Agriculture. This paved the way for rural students who study this course to become **Veterinary Doctors besides Agricultural Graduates.** This is a revolutionary step in RURAL AGRICULTURAL EDUCATION (First Time) after becoming Chairman.

While in service I mentored FOUR ENTREPRENEURS to market the technologies I developed to reach farmers and end-users. This led to around 0.5 million people using my innovation. Notable are the TNAU Probe traps, exported to FRANCE and a few African countries and Thailand. To make an Institute or a State or a Nation as one of the leading institutes in the world, a scientist has to make significant contribution in Innovation, Outreach (Extension), Education and Agri. Business Development. These characters are my professional Strength which made me to create many Historical Achievements right from my early stage of research career.

1993 : TNAU Plastic Probe Trap developed was named by the Govt. of Tamil Nadu as "MOHAN TRAP". Currently 5 lakhs people across the world are using this technology.

2002 : Automatic Insect Removal Bin was developed and currently around 5000 farmers are using this for paddy seed storage.

2003 : TNAU Pulse Beetle Trap is being used for pulses storage to remove insect by around 5000 farmers.

2005 : TNAU Stored Grain Insect Management Kit was developed and around 300 agricultural colleges/ KVKs using the kit for teaching and training.

2006 : Device to remove Insect Eggs from Stored Grains (Indian Patent No.198434) was developed and being used in various capacities (2kg, 50kg, 200-300kg, 1000kg and 2000kg/per hour cleaning efficiency) by traders, farmers and other end users. Recently 2 units of 2000kg/hour was exported to Omen.

2017 : Trap for Monitoring Stored Product Insects in warehouse (Indian Patent No:284727) was developed and around 500 units are being used by warehouses.

2019: Awarded a Silver Medal for Insect Egg Removal Device in the International Innovation Fair (IIF 2019-International Awards), Hyderabad, India organised by Indian Innovators Association (IIA).

2023: In recognition of his contributions, the Indian Innovators Association selected his innovation Indian Patent 198434 - A device to remove insects from stored grains as one of the top 100 Indian Innovations in 2023.

ADMINISTRATIVE EXPERIENCE – POST(S) HELD & RESPONSIBILITIES

S.No	Positions	Institution/University	Duration duly indicating the break in service, if any		Experience (in years & months)	
			From	To	Y	M
1	**University Officers**					
A	Special Officer (Publications and Public Relations)	TNAU, Coimbatore	23.09.2016	Till Date	2	0
B	Dean, School of Post Graduate Studies- In charge	TNAU, Coimbatore	01.07.2013	22.09.2013	3	3
C	National Principal Investigator (PI) Entomology. All India co-ordinated cotton improvement project, ICAR, New Delhi. (Coordinating All India Cotton Entomological research activities in 21 Centers across India)	ICAR, New Delhi	January 2012	June 2013*	1	6
D	Chairman of the Committee to Revamp and Revitalize the Agricultural School Education in Tamil Nadu.	Government of Tamil Nadu	June, 2010	June, 2012*	2	0
	As "Chairman" I made significant academic reforms in Agricultural education in Tamil Nadu Schools. The old curriculum structure which was in practice in Tamil Nadu around last 20 years was revamped and a common textbook, Agricultural Practices I and Agricultural Practices II (for 11th and 12th standard schools) was introduced in the year 2010-11, 2011-12 respectively. First time in the curriculum Practical Guide was introduced for 11 and 12th standards in Tamil Nadu. I was solely responsible for this administrative reform in school Education.					
E	Chairman of the Committee to Revamp and Revitalize the Agricultural School Education in Tamil Nadu.	Government of Tamil Nadu	June 2017	February 2018*	0	8
	TOTAL				**9**	**5**

Notes: The assignment as Chairman, Government of Tamil Nadu School Education for Agricultural Curriculum revision and National Principal Investigator (PI) Entomology, All India co-ordinated cotton improvement project, ICAR, New Delhi, were done simultaneously as additional work and responsibility during my Professor and University Officer in charge period. In all the above administrative positions besides the job roles and responsibilities, I have made rigorous efforts for transfer of my Green technologies across India.

MY PROFESSIONAL STRENGHTS

MY ACHIEVEMENTS LEADING TO ACADEMIC LEADER

I, through my 35 years of academic career made our beloved country - **"one of the world leaders in the feild of monitoring of stored product insects"** as evinced by my Invitation to deliver key note address about My achievements in the **11th International Working Conference on Stored Product Protection, November 24 - 28, 2014, Chiang Mai, Thailand.**

11th International Working Conference on Stored Product Protection, November 24 - 28, 2014, Chiang Mai, Thailand.

To make an Institute or a State or a Nation as one of the leading Institutes in the world, a scientist has to make significant contribution in **Innovation, outreach (Extension), Education, Agri. Business Development** and finally has to be motivated by his teachers. I have all these characters which made **India as one of the world Leader in "Monitoring and Sampling** and **Management of Stored Product Insects". These characters are my professional Strength which made me to create many Historical Achievements right from my Early stage of Research career.**

Only Scientist so far - a Technology developed by him i.e TNAU Plastic PROBE TRAP was named after him as "MOHAN TRAP" by Government of Tamil Nadu.

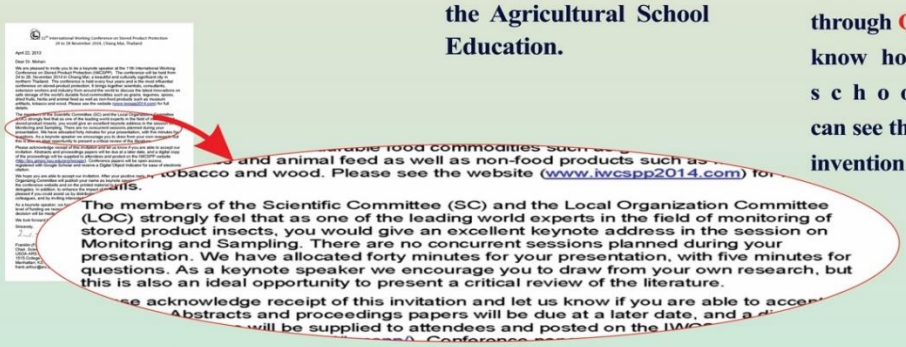
Only Scientist so far to receive "Technology Day Invention Award" from Government of India, for an invention namely "TNAU Automatic Insect removal bin".

Only Scientist so far who developed Four Entrepreneurs for the technologies developed by him. Two patented and commercialized.

Only Scientist so far to receive "Outstanding Extension Scientist Award" from Indian Council of Agricultural Research.

Only Scientist who has been appointed as "Chairman" twice by Government of Tamil Nadu to revamp and revitalize the Agricultural School Education.

TNAU Automatic insect removal Bin Technology has been included in 11th Std Agricultural Science Text books (Theory) of Government of Tamil Nadu 2018, through QR CODE - a high tech know how through which the school students can see the demonstration of this invention - A motivation effort.



and animal feed as well as non-food products such as
obacco and wood. Please see the website (www.iwcspp2014.com) for
ils.

The members of the Scientific Committee (SC) and the Local Organization Committee (LOC) strongly feel that as one of the leading world experts in the field of monitoring of stored product insects, you would give an excellent keynote address in the session on Monitoring and Sampling. There are no concurrent sessions planned during your presentation. We have allocated forty minutes for your presentation, with five minutes for questions. As a keynote speaker we encourage you to draw from your own research, but this is also an ideal opportunity to present a critical review of the literature.

se acknowledge receipt of this invitation and let us know if you are able to acce
Abstracts and proceedings papers will be due at a later date, and a
will be supplied to attendees and posted on the IW
Conference

Green Technologies Developed and its Impact on End Users

1. TNAU INSECT PROBE TRAP: TNAU Insect traps are excellent insect detection devices in food grains and more effective in the detection of stored grain insects namely *Rhyzopertha dominica* (F.), *Sitophilus oryzae* (L.) and *Tribolium castaneum* (Herbst) in stored food grains. They are also good mass trapping devices when used at 2– 3 numbers / 25 kg bin (28 cm dia and 39 cm length). They can remove > 80% of the insects within 10 – 20 days.

TOT: Around 0.5 million people in India uses TNAU insect trap. Introduction of TNAU Trap in Africa, Ethiopia, Rwanda, Nigeria, Turkey, Egypt, Thailand and France

2. TNAU PIT FALL TRAP: Pitfall traps are used for capturing insects active on grain surface and in other layers of grain.

3. TNAU TWO-IN-ONE MODEL TRAP: Best suited for pulse beetles as they are seen only on grain surface wandering here and there.

4. INDICATOR DEVICE: This helps in, timely detection of insects which will help the farmers to initiate early control measure for pulse beetle in storage.

5. TNAU AUTOMATIC INSECT REMOVAL BIN: TNAU insect removal bin can remove insect automatically. Grains (paddy and sorghum) stored in Automatic insect removal bin (100 kg and 500 kg) recorded only 1 – 4% damage by insects compared to 33 to 65% damage in ordinary bin after 10 months of storage. The population of insects (*R. dominica, S. oryzae)* ranged from 0 – 2 / kg in grain stored in 100 kg Automatic insect removal bin compared to 5 – 191 / kg in ordinary bin after 10 months of storage.

TOT: Around 5000 farmers in the North-eastern zone of India use the insect removal bin for paddy seed storage. First time a technology has gone to North- Eastern zone of our country which is the current priority area for agricultural development in the country. A factory in North-Eastern Zone of India, manufacturing and marketing the TNAU-BIN.

6. UV – LIGHT TRAP FOR GRAIN STORAGE GODOWNS: The trap is ideal for use in godowns meant for long term storage of grains and to trap the resistant strains during post fumigation. The light trap attracts stored product insects like lesser grain borer, *Rhyzopertha dominica,* red flour beetle, *Tribolium castaneum* and cigarette beetle *Lasioderma serricorne* in large numbers.

TOT: FCI and Tamil Nadu State Warehousing Corporation (TNSWC) have adopted TNAU -UV light trap technology besides 7 export companies. 1000 units have been sold so far.

7. A Device to Remove Insect Eggs from Stored Seeds/ Grains (Indian Patent No. 198434):

8. TNAU- STACK PROBE TRAP for monitoring stored product insects in warehouse (Indian Patent No. 284727)

The device is useful in detecting stored grain insects in bag stacks of the food grain warehouses without any damage to sacks. No such non baited trap is available anywhere in the world.

TOT: Around 500 units have been used by M/s Ulavan Producers Company, Erode; M/s Gubba Cold Storage Ltd. Hyderabad, India; M/s Jayanthi India Spices Ltd, Coimbatore, India.

9. TNAU Kit- TNAU STORED GRAIN INSECT PEST MANAGEMENT KIT

The kit containing prototypes of all the devices listed above along with a CD-Rom will be an ideal "hands – on training" tool for Education, Extension centers (KVK, Plant clinic, save grain centers) and also for private ware housing.

TOT: Around 300 agricultural colleges / KVK's/ farmers training centers across the country are using the TNAU Kit for teaching and training. Around 400 schools enrolling 12,000 students in Tamil Nadu are using TNAU Kit for teaching school children.

TEACHING EXPERIENCE AND ACHIEVEMENTS

Throughout my service I am involved in teaching especially the following courses which form a part of my specialization.

UG Course: 1) Pest management 2) Applied Entomology
PG Course: 1) Stored Product Entomology

NEW TECHNIQUE DEVELOPED FOR POST GRADUATE TEACHING

A simple and rapid technique named **cup bioassay** to determine if natural products are repellent or attractive to stored product insects was developed during my training in Cereal Research Center in Canada. This has been **included in post-graduate curriculum**. Mohan, S. and Paul Fields 2002. A simple technique to assess compounds that are repellent (or) attractive to stored product insects. **Journal of Stored Product Research. 38**: 23-31. This technique developed by me has been quoted by more people **(cited 65 times)** across the world.

NEW AREAS OF RESEARCH IN PG EDUCATION

TEN new research projects were undertaken through M.Sc.(Ag.) and Ph.D students during the year 2001-2015. I have guided so far **TEN** M.Sc.(Ag.) and **THREE** Ph.D. Students. The projects were based on the expertise received through my trainings in Canada as well as my knowledge on the trapping science for management of stored product insects.

Significant achievement of my students:

1. Pretheepkumar, P. Ph.D. :

Studies on the development and testing of newer strategies for the management of stored product insect pest (2004). **Jawaharlal Nehru Award for best post graduate thesis of ICAR 2005.**He is now working as Assistant Professor in TNAU.


HONOURED: Union Minister of State for Agriculture, Shri.Kanti Lal Bhuria, presented Jawaharlal Nehru Award to Dr. P. Pretheep Kumar at the ICAR Award Ceremony held at New Delhi on August 18, 2006

2. Nandini, S. Ph.D. :
Evaluation of Bt transgenic cotton (Bollgard and Bollgard II) against Pink Bollworm, *Pectinnophora gossypiella*, Sunders (Gelichidae; Lepidoptera). 2014**. This thesis has won Best Thesis Award Ph.D. 2013-14 (crop Protection).**

Honours and Awards

i) ***Membership of National/ International Academies****:*

1. Member in American society of Agricultural and Biological Engineering (2009-10).
2. Member in Madras Agricultural Students Union.
3. Life member in National Academy of Biological Sciences.

ii) ***National/ International Awards/ citations/ recognitions****:*

1. Awarded ICAR – Junior fellowship for M.Sc. (Ag.) (National 2nd Rank), 1980-82.
2. Tamil Nadu Government Award (Cash Award Rs.5,000/-) for probe trap and named the probe trap as **"Mohan Trap"** - 1993.
3. Jawaharlal Nehru Award (ICAR) for best Ph.D Thesis on "Stored Product Entomology" - 1994.
4. Ramasastrulu Munagala Award by Madras Agricultural Students Union, TamilNadu Agricultural University, Coimbatore for Automatic insect removal bin - 1995.
5. Lakshminarayana Reddy Shield for Best Entomology work in "Stored Product Entomology" - 2000.
6. National Technology Day Invention Award for the Automatic Insect Removal Bin on May 11th 2002 by National Research Development Corporation, Government of India - 2002.
7. Best Creative Product Stall Award for TNAU Insect Trap by South Indian Chamber of Commerce - 2002.
8. Tamil Nadu Scientist Award 2003 by Tamil Nadu State Council for Science and Technology - 2003.
9. TNAU Best Researcher Award - 2005.
10. Honoured with a cash award of Rs.5000/- by TNAU for obtaining an Indian Patent for a device to remove insect eggs from stored pulse seeds - 2006".
11. ICAR - Outstanding Extension Scientist Award, 2010
12. Awarded a Silver Medal for Insect Egg Removal Device in the International Innovation Fair (IIF 2019-International Awards), Hyderabad, India organised by Indian Innovators Association (IIA).
13. Vocational Excellence Award by Rotary Club, Erode, Tamil Nadu, India, 2020.
14. Certificate of Appreciation for video making competition to kindle scientific temper among school children through Insect Probe Trap technology from Ministry of Science and Technology, Government of India, 2022. https://www.youtube.com/watch?v=RihQDh35BQ8&t=1s
15. In recognition of his contributions, the Indian Innovators Association selected his innovation Indian Patent 198434 - A device to remove insects from stored grains as one of the top 100 Indian Innovations in 2023.

iii). ***Recognitions***:

1. Member in Indian Grain Storage Working Group (IGSWG) from June, 2015.
2. Honour from CII (Confederation of Indian Industries): CII shortlisted my innovations after several screening by experts and included in the special publication on **'Innovations in Tamil Nadu'** show casing innovators and their innovations from three broad categories such as Academics, Industrialists and social entrepreneurs. **Name of the Publication: Breakthrough - Bringing ideas to life, 2009.**
3. My name was recommended by Dr.David Pimentel (Former Scientific Advisor to Honourable President of USA), Professor, Entomology, Cornell University, New York for writing a chapter on "LIGHT TRAP" for the Encyclopedia of Pest Management brought out by M/s. DEKKER Publication, New York during 2002.
4. Commercialisation of TNAU insect Probe trap mention in Plan document. Reference: Report on the working group on Agricultural Research and Education for XI Five Year Plan. Planning Commission GOI. P: 288.
5. Letter of appreciation from FAO for development of TNAU kit for stored product insects and acceptance to circulate the leaflet in this regard in the various departments with in FAO.

联合国粮食及农业组织
FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS
ORGANISATION DES NATIONS UNIES POUR L'ALIMENTATION ET L'AGRICULTURE
ORGANIZACION DE LAS NACIONES UNIDAS PARA LA AGRICULTURA Y LA ALIMENTACION
منظمة الأغذية والزراعة للأمم المتحدة

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Our Ref.: IL 2/2 IND

Your Ref.:

15 FEB 2006

FAO

Dear Mr Mohan,

I am pleased to acknowledge receipt of your letter dated 17 February 2006 addressed to Mr Dietrich Leihner, Director, SDR, in which you present information regarding the 'Tnau Stored Grain Insect Pest Management Kit".

I would like to congratulate you on the development of this gadget which has been invented to mitigate the grains loss from insects

Your letter and the attached leaflet will be circulated to other Departments within the Organization for their information.

With best wishes for your future endeavours.

Yours sincerely,

Isabel Alvarez

Isabel Alvarez
Chief
Research and Technology Development Service

Mr S. Mohan
Professor of Agricultural Entomology
Tamil Nadu Agricultural University
Department of Cotton
TNAU, Coimbatore 641 003
Tamil Nadu
India

Patents

1. A Device to Remove Insect Eggs from Stored Pulse Seeds (Indian Patent No. 198434).

1. Trap for monitoring stored product insects in warehouse (Indian Patent No.284727).

   Demonstration video link: https://youtu.be/kWXJyVKm8IE

Trainings Organized

1. Organized one day training programme sponsored by Tamil Nadu State Council for Science and Technology for Rs.10,000 during 1998 for popularization of Gadgets to women folk.
2. One day training programme to scientists of TNAU-KVK on "TNAU stored grain insect traps / gadgets" on 6.3.2006 under TNAU-McGill CIDA project.
3. One day paid training on "TNAU stored grain insect traps / gadgets" to 15 persons from pesticide industry, processing industry and private warehouse organization on 13.09.2006.
4. ICAR short course as Director on "Post harvest entomological techniques for insect free grain storage to achieve nutritional security" in the Department of Agricultural Entomology from 19^{th} – 28^{th} September 2007.
5. ICAR – Centre of Advanced faculty training on "Recent advances in stored product insect pest management" in the Department of Agricultural Entomology from 13th November to 3rd December 2013

Visits Abroad

1. Underwent 3 months training in Biochemical Ecology of stored product insect at Cereal Research Centre, Agricultural Food Canada, Canada during 2000 and developed a new technique called "CUP BIOASSAY TECHNIQUE" for rapid assay of plant products for their repellency action against stored product insects.
2. Underwent 6 months training in Stored Product Entomology under Canadian International Development Agency Scheme at McGill University, Montreal, Canada during 2005 and developed a package technology for safe storage of grains from insects, a new trap model for North America to monitor Rusty grain beetle *Cryptolestes ferrugineus*. in stored wheat and a techniques to increase the efficiency of existing probe trap in North America for monitoring rusty grain beetle in wheat.
3. Attended Indo- Australian strategic research DST project. GOI. Joint workshop held at Brisbane, Australia from 25th May to June 1st 2013 and presented the results of the study conducted using TNAU trap model with pheromones for rice weevil, lesser grain borer and red flour beetle.
4. Attended 11th International Working Conference on Stored Product Protection 24 to 28 November 2014, Chiang Mai, Thailand and delivered Keynote address on Monitoring and Sampling Tools for Stored Product Insect Management should reach End-users – an analysis.

Externally Funded Schemes

S.No.	Title	Sponsor	Period	Total outlay (Rs. in lakhs)
I.	Schemes completed			
Ia.	Stored product entomology			
1	Design and development of container model for removing store product insects exploiting their behavior (as PI)	ICAR Adhoc	April 1996 to Sep. 1998	Rs. 3.10
2	Low cost technology for safe storage of pulses (as PI)	NATP-RPPS-5 (Rainfed mode)	April 2000 - Dec. 2003	Rs. 11.50
3	Management of Cigarette beetle *Lasioderma serricorne* on senna pods/seeds (as PI)	M/s. Madaus Pharmaceuticals Goa (German Firm)	Jan. 2002 - December 2004	Rs. 6.80
4	Adhoc Project : Popularization of TNAU gadgets for management of stored grain insects (as PI)	TNAU-McGill CIDA Project	November 2005 to September 2007	Rs. 10.00
5	Detection of Cigarette beetle *Lasioderma serricorne* in herbal Tea (as PI)	M/s.Saraf Trading corporation, Cochin	July 2007 - June 2009	Rs. 3.53
6	Ensuring food security : Harnessing science to protect our grain harvest from insect threats (TNAU UV light trap and TNAU Stack probe trap for warehouse have been approved for use in Indian Warehouses as IRM strategy for stored grain insect management in Indian Warehouses) (as CO-PI)	Collaboration between University of Queensland, Australia and TNAU (Dept. of Science and Technology, GOI) (No.CPPS/CBE/ENTO 12 S131/2012 dated 04.05.2012 of the O/o. Director, CPPS)	April 2012 to Sep. 2016	Rs.107.00
Ib.	Cotton			
1	Evaluation of local specific IPM model for cotton (as PI)	GOI / ICAR	April 2001 - March 2003	Rs. 7.10
2	Pest and disease forecasting system in cotton (as PI)	GOI / ICAR	April 2001 - March 2003	Rs. 8.70
3	DCPPS / CBE / AEN 03 S23 Development and testing of location specific IPM model for BT cotton (as PI)	M/s. Monsanto India Ltd.,	23.09.03 - 22.09.05	Rs. 3.88
4	Development and validation of IPM / IRM strategies for Bt. cotton (as PI)	GOI / ICAR	April 2007 - March 2012	Rs. 19.98
5	Bioefficacy of Mitlar (A Herbal Pesticide) against sucking pests of Cotton and Biodart (Bacillus thuringiensis var. Kurstaki) 7.5% WP cotton Bollworm (as PI)	M/s Ajay Biotech (India) Ltd., Mumbai	July 2012 - June 2013 (One year)	Rs. 1.88
			TOTAL OUTLAY	**Rs.183.47**

Information of any time spent abroad in the past ten years

- Attended Indo- Australian strategic research DST project. GOI. Joint workshop held at Brisbane, Australia from 25th May to June 1st 2013 and presented the results of the study conducted using TNAU trap model with pheromones for rice weevil, lesser grain borer and red flour beetle.
- Attended 11th International Working Conference on Stored Product Protection 24 to 28 November 2014, Chiang Mai, Thailand and delivered Keynote address on Monitoring and Sampling Tools for Stored Product Insect Management should reach End-users – an analysis.

Complete List of Publications

Research Papers - International (17)

1. Mohan, S., and G. Prasad. 1991. Development of a new fish meal attractant and insecticide formulation for management of sorghum shoot fly. *Atherigona varia soccata* Rond. *Tropical Pest Management*, 37(4) : 397-398.

2. Mohan, S., and M. Gopalan. 1992. A study on the use of Biogas from cowdung for storage insect control. *Bioresource Technology*., 39: 229-232.

3. Mohan, S. M. Gopalan and V.V. Sreenarayanan. 1993. Fish meal waste as an attractant for economically important flies of Agricultural Crop. *Bioresource Technology*, 43: 175-176.

4. Mohan, S., M. Gopalan, P.C. SundaraBabu and V.V. Sreenarayanan. 1994. Practical studies on the use of light trap and bait trap for management of *Rhyzopertha dominica* in rice warehouses. *International Journal of Pest Management*.., 40 (2): 148-152.

5. Mohan, S., S. Mohan and R.H.L. Disney. 1995. A new species of scuttle Fly (Diptera : Phoridae) that is a pest of Oyster Mushrooms (Agaricales : Pleurotacea) in India. *Bulletin of Entomological Research*, 85: 515-518.

6. Mohan, S. and Paul Fields. 2002. A simple technique to assess compounds that are repellant (or) attractive to stored product insects. *Journal of Stored Product Research*, 38: 23-31.

7. Mohan, S. 2002. Light traps. In: Encylopedia of Pest Management. p. 455-459. Maral Dekker Inc. New York.

8. Pretheep Kumar, P., S. Mohan and G. Balasubramanian. 2003. Effect of whole pea flour and a protein-rich fraction as repellents against stored-product insects. *Journal of Stored Products Research* 40(5): 547-552.

9. Pretheep Kumar, P., S. Mohan and K. Ramaraju. 2004. Protein-enriched pea flour extract protects stored milled rice against the rice weevil*, Sitophilus oryzae*. 4pp. *Journal of Insect Science*, 4: 26.

10. Pretheep Kumar, P. and S. Mohan. 2004. Reduced consumption of pea protein treated flour disks by stored product insects. *Phytoparasitica*, 32(3): 313-316.

11. Mohan, S., S.S. Sivakumar, S.R. Venkatesh and G.S.V. Ragavan. 2006. Simple technique to increase the sensitivity of probe traps in detecting Cryptolestesferrugineus in stored wheat. *Candian Entomologists* 2006. 138 (5) : 733-735.

12. Mohan, S. and G.S.V. Ragavan. 2005. Sensing device for decision making in sundrying to disinfest the grain from insect damage 4th Asia Pacific drying Conference (ADC 2005) Vol. V. December 13-15, 2005, pp: 955-960. (edts). A.B. Datta Allied K.M. Kundu, G.P. Sinha. Publisher Pvt. Ltd. Kolkatta.

13. Pretheep Kumar, P., S. Mohan and K. Ramaraju. 2006. Long term efficacy of protein. Enriched pea flour against *Tribolium castaneum* (Coleoptera :Tenebrionidae) in wheat flour. *Journal of Central European Agriculture*, 7 (4): 779-784.

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