

## CURRICULUM VITAE

**NAME** : JOSE ROMENO FALEIRO  
**NATIONALITY** : Indian  
**DATE OF BIRTH** : 14-01-1959.  
**PLACE OF BIRTH** : Doha, Qatar.  
**MARITAL STATUS** : Married

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### EDUCATION

Degree & Graduating University	Year of Passing	Specialisation	Grade Point
B.Sc (Agriculture) Konkan Agricultural University, Dapoli, Maharashtra ,India.	1980	Entomology	3.96 / 4.00
M.Sc (Entomology) Indian Agricultural Research Institute (IARI), New Delhi, India	1982	Insect Toxicology	4.00 / 4.00
Ph.D (Entomology) IARI, New Delhi, India.	1985	Pest Management	3.38 / 4.00

### MANAGEMENT TRAINING: (June, 1986 - Nov. 1986)

Completed a foundation course in Research Management, at the National Academy for Agricultural Research Management, Hyderabad, India. During this programme, I studied various aspects of Project Management (Formulation, Implementation, Monitoring and Evaluation), Technology Development efforts in the field (Himachal Pradesh, India) and Treatment of Research findings.

### PROFESSIONAL EXPERIENCE:

#### A ) INDIA: ICAR Research Complex for Goa, Ela, Old Goa.

**SCIENTIST ( Agril. Entomology)** : May, 1985 to May, 1990  
**SCIENTIST , Senior Scale (Agril. Entomology )** : May, 1990 to May, 1998  
**SENIOR SCIENTIST (Agril. Entomology )** : May, 1998 to May, 2006  
**PRINCIPAL SCIENTIST (Agril. Entomology )** : May, 2006 onwards

- My primary duties in the present position revolve around applied research, training and extension on different aspects of Integrated Pest Management in field and horticultural crops including rice, pulses, cucurbits, coconut and mango. In particular I wish to mention the contribution made by my lab in developing a sustainable and environmentally friendly pheromone technology for the management of Red Palm Weevil in coconut between 1999 and 2003 under the National Agricultural Technology Project. This work involved large scale monitoring and mass trapping of the pest through farmers

participatory programmes throughout the State of Goa, besides testing and standardizing protocols for using pheromone traps to manage red palm weevil in coconut.

- Currently I am involved in testing and standardizing Hot Water Treatment protocols for the post harvest eradication of fruit fly (*Bactrocera caryeae*) in mango, so as to meet International Quarantine Standards for export of mangoes from India. My lab is also involved in evaluating Bait Application Techniques for the management of fruit fly (*Bactrocera cucurbitae*) in hill cucurbits (cucumber, ridge gourd, snake gourd, bitter gourd) through wide-area village level approach, besides assessing the abundance and diversity of *Bactrocera* spp in the coastal and tropical mountainous regions of Goa. During 2005 my lab was assigned programmes as a voluntary centre under the ICAR- UK ( Imperial College, London ) project on integrated management of fruit flies in India. Since May 2006, I'm heading the Crop Improvement and Protection Section at ICAR Research Complex For Goa

My duties in the present position also involve

- Liaise with officials of other Government departments and private companies
- Render farm advisory service on issues pertaining to IPM.
- Carry out plant quarantine inspection of planting material imported in to Goa .
- Deliver course lectures on IPM to students of Goa University.
- Compile, edit and publish technical reports and bulletins.

#### **B ) ABROAD: Kingdom of Saudi Arabia**

##### **SPECIALIST, Ministry of Agriculture, Saudi Arabia : Nov. 1993 to Sept. 1998.**

I was deputed by Government of India as a Specialist in the Red palm weevil Control Project to the Ministry of Agriculture, Saudi Arabia for five years (November 1993 to September 1998). During this period I was involved in the planning, implementation and supervision of various activities related to the area-wide management of red palm weevil on date palm (0.7 million palms) in Al-Hassa region of Saudi Arabia. In particular, I supervised the mass trapping and monitoring of the pest in about 4000 hectares of date plantation using pheromone traps in Al-Hassa, besides rendering farm advisory service, leading palm weevil management teams to outstations (Al-Sarar and Al-Maleijah), training Saudi Officials on various aspects of palm weevil management and compiling and editing various Project Reports.

#### **AWARDS & FELLOWSHIPS:**

1. Konkan Agricultural University and Sir Robert Allan Gold Medals for standing first in the University at the B.Sc (Agri) Degree Examination, 1980.

2. ASPEE, Bombay, Gold Medal for securing the highest cumulative grade point average in Plant Protection subjects at the B.Sc. (Agri) Degree Examination, 1980.
3. Selected for the award of Junior Research Fellowships for my Masters Programme (1980-1982)by:
  - A. Indian Council of Agricultural Research, New Delhi
  - B. American Spring and Pressing Works, Bombay.
  - C. Indian Agricultural Research Institute, New Delhi.
4. Held the Senior Research Fellowship of the Indian Agricultural Research Institute, New Delhi during my Doctoral studies (1982-1985).

#### **PUBLICATIONS :**

Published research and popular articles on different aspects of pest management in national and international journals, besides presenting papers in seminars and conferences in India and abroad. I have also been interviewed by All India Radio and *Doordarshan* (National Television) on several occasions. (List of publications is attached).

#### **MEMBERSHIP OF PROFESSIONAL SOCIETIES:**

- 1) Life Fellow, Entomological Society of India, New Delhi
- 2) Life Member, Plant Protection Association of India, Hyderabad, India
- 3) Life Member, Entomological Research Association, Udaipur, India
- 4) Life Member, Indian Society of Agricultural Information Technology, Dharwad, India
- 5) Life Member, Association for Advancement of Pest Management in Horticultural Ecosystems, Bangalore, India
- 6) Life Member, Indian Society for Root Crops, Kerala, India
- 7) Life Member, Botanical Society of Goa, India
- 8) Life Member, Agricultural Research Service Scientist Forum, New Delhi,

#### **LANGUAGES:**

English, (read, write, speak); Arabic (speak only) ; Portuguese ( understand )  
Konkani, Hindi, Marathi (read and speak)

## **MAJOR ACHIEVEMENTS (AT A GLANCE):**

### **Education**

- ✓ **Stood first** in the University at B Sc.(Agri ) degree examination in 1980.
- ✓ **Selected** for several Fellowships for Masters Degree.
- ✓ Masters (1982) and Doctorate (1985) degrees from India's Premier Agriculture Research Institute (Indian Agricultural Research Institute, New Delhi).

### **Professional**

- ✓ **Selected** by the Agriculture Scientist Recruitment Board, New Delhi to join the "Agriculture Research Service" of ICAR during 1985.
- ✓ **Tested and developed IPM** technologies for the management of
  - red palm weevil through pheromone based, area- wide programmes in date palm and coconut plantations of Saudi Arabia and India .
  - fruit flies in mango and hill cucurbits .
  - insect pests of rice and crops of the rice based cropping systems .

### **International assignments**

- ✓ **FAO consultant** for red palm weevil on date palm in Saudi Arabia
- ✓ **Specialist red palm weevil**, Indian Technical Team, Ministry of Agriculture and water, **Saudi Arabia from November, 1993 to September, 1998.**
- ✓ **Participated** as Resource Person on invitation of **FAO Regional Near East office, Cairo** in the Workshop on "Ecosystem based IPM for date palm in the Gulf Countries", at **Al-Ain, UAE**, from 28-30<sup>th</sup> March, 2004.
- ✓ **Deputed** by ICAR on invitation by *Instituto Valenciano des Investgaciones Agrarias (IVIA)*, Valencia, Spain to present a paper on red palm weevil at the First International Workshop on Red Palm Weevil held at **Valencia, Spain** from 28-29<sup>th</sup> November, 2005.
- ✓ **Deputed** by ICAR on invitation of King Faisal University, Hofuf, Saudi Arabia to deliver key note talk and chair the pest control session at the Fourth Symposium on date palm in **Saudi Arabia**, from 5-8<sup>th</sup> May, 2007.

### Organizing skills

- ✓ **Volunteer** during the XV International Congress of Genetics in New Delhi, India during 1983.
- ✓ **Member** of the Organising Committee for the international workshop on wilt diseases of black pepper held in Goa, India, during October, 1988.
- ✓ **Chairman** ,Organizing Committee, XV ICAR Inter Zonal Sports meet in Goa, India, 14 – 17, May, 1999
- ✓ **Organizing Secretary**, National Conference on Coastal Agricultural Research, Goa, India, 6-7 April, 2002.
- ✓ **Organizing Secretary**, National Seminar on New Perspectives on Spices, Medicinal and Aromatic plants, Goa, India, 27 – 29 November, 2003.
- ✓ **Member**, Organizing Committee, National Seminar on Trends in Pheromone Research and Technology, Junagadh, Gujarat, India, February, 2004.
- ✓ **Facilitator**, final workshop on Integrated Management of Fruit Flies in India (ICAR-UK Project), 6 - 7 October, 2005.

### Extension and editorial abilities

- ✓ **Subject Matter Specialist** for the National Farmer's Call Centre (Goa State) by the Ministry of Agriculture, Government of India, since 2003.
- ✓ **Co-ordinator** of Field Experience Training programme for ARS Scientists deputed to the Institute from 28-9-2002 to 18-10-2002 and 12-24, January, 2004.
- ✓ **Member Editorial Board**, Indian Journal of Plant Protection, since 2003.
- ✓ **Member Editorial Advisory Committee**, Entomological Society of India, since April, 2004.
- ✓ **Member, Programme Advisory Committee**, All India Radio, Panjim, Goa, India, since January, 2007.

## Publications of Dr. J. R. FALEIRO pertaining to red palm weevil

### A) Research articles published in scientific journals

1. **Faleiro J. R.** and V.R. Satarkar 2005. Attraction of food baits for use in red palm weevil, *Rhynchophorus ferrugineus* Olivier pheromone traps. *Indian Journal of Plant Protection* 33(1): 23-25.
2. Gadi Subhadra devi, **Faleiro J. R.** and V.R. Satarkar, Arabaska, F. and Narina, V. 2005. Efficiency of ferrugineol based lures and quantity of food bait for trapping red palm weevil, *Rhynchophorus ferrugineus* Oliv. *Pro. Zool. Soc. India* 4:1-7.
3. **Faleiro J. R.**, M. Mayilvaganan, C.P.R. Nair, and V.R. Satarkar 2005. Efficacy of indigenous pheromone lure for red palm weevil, *Rhynchophorus ferrugineus* (Olivier) (Coleoptera : Rhynchophoridae). *Insect Environment*, 10(4): 164-166.
4. **Faleiro J. R.**, P.A. Rangnekar and V. R. Satarkar 2003. Age and fecundity of female red palm weevils *Rhynchophorus ferrugineus* (Olivier) (Coleoptera : Rhynchophoridae) captured by pheromone traps in coconut plantations of India. *Crop Protection*, 22:999-1002.
5. **Faleiro J. R.** and V.R. Satarkar 2003. Diurnal activity of red palm weevil, *Rhynchophorus ferrugineus* Olivier in coconut plantations of Goa. *Insect Environment*, 9(2): 63-64.
6. **Faleiro J. R.** and V.R. Satarkar 2003. Testing ferrugineol based pheromone lures for trapping red palm weevil *Rhynchophorus ferrugineus* Olivier (Coleoptera : Rhynchophoridae) in coconut plantations.). *Indian Journal of Plant Protection*, 31(1): 84-87.
7. **Faleiro J. R.** and V.R. Satarkar. 2002. Suitability of insecticides for use in red palm weevil pheromone traps. *Pestology*, 26(5): 34-36.
8. **Faleiro, J. R.**, J. Ashok Kumar and P.A.Rangnekar, 2002. Spatial distribution of red palm weevil *Rhynchophorus ferrugineus* Oliv. (Coleoptera : Cuculionidae) in coconut plantations. *Crop Protection*, 21: 171-176.
9. **Faleiro J. R.** and P.A.Rangnekar, 2001. Ovipositional Preference of Red Palm Weevil *Rhynchophorus ferrugineus* Oliv. to Coconut Cultivars. *Indian Coconut Journal*, 32(6): 22-23.
10. **Faleiro, J. R.** and Rangnekar, P.A. 2001. Location specific seasonal activity of red palm weevil, *Rhynchophorus ferrugineus* Oliv. in coconut plantations of Goa. *Indian Journal of Applied Entomology*, 15(2): 7-10.
11. Abraham, V. A., **Faleiro, J. R.**, S. M. A. Al Shuaibi, and Saad Al Abdan. 2001. Status of pheromone trap captured female red palm weevils from date gardens in Saudi Arabia. *Journal of Tropical Agriculture*, 39: 197-199.
12. **Faleiro J. R.**, V. A. Abraham, Nabil Boudi, M.A. Al Shuaibi and T. Premkumar 2000. Field evaluation of different types of red palm weevil *Rhynchophorus ferrugineus* pheromone lures, *Indian Journal Entomology*, 62(4): 427-433.
13. V. A. Abraham, **J. R. Faleiro**, M.A.Al-Shuaibi and T. Prem Kumar. 2000. A Strategy to Manage Red Palm Weevil *Rhynchophorus ferrugineus* Oliv. on Date Palm *Phoenix dactylifera* L. – Its Successful Implementation in Al-Hassa, Kingdom of Saudi Arabia. *Pestology*, 24 (12): 23-30.
14. **Faleiro J. R.** and Mani Chellappan. 1999. Attraction of red palm weevil *Rhynchophorus ferrugineus* to different ferrugineol based pheromone lures in coconut gardens *Journal of Tropical Agriculture*, 37: 60-63.
15. **Faleiro, J. R.**, Mahmood Al Shuaibi, V. A. Abraham and T. Prem Kumar. 1999. A technique to assess the longevity of the palm weevil pheromone (Ferrolure) under different conditions in Saudi Arabia. *Agricultural Science*, 4(1):5-9.
16. Abraham V. A., **J. R. Faleiro**, Mahmood A. Al Shuaibi. 1999. Sex ratio of Red palm weevil, *Rhynchophorus ferrugineus* captured from date palm plantations of Saudi Arabia using pheromone traps. *Indian Journal of Entomology*, 61(2): 201-204.
17. Abraham V. A., Mahmood Al Shuaibi, , **J. R. Faleiro**, Reda A. Abozuhairah and PSPV Vidyasagar, 1998. An integrated approach for the Management of Red Palm Weevil *Rhynchophorus ferrugineus* Oliv. - A key pest of date palm in the Middle East. *Sultan Qaboos University Journal for Scientific Research, Agricultural Science* 3, 77-83.

## **B) Review Articles**

1. **Faleiro, J. R.** 2006. A review on the issues and management of red palm weevil *Rhynchophorus ferrugineus* (Coleoptera : Rhynchophoridae) in coconut and date palm during the last one hundred years. *International Journal of Tropical Insect Science* ,26(3): 135-154.
2. Abraham, V. A., **Faleiro, J. R.**, C.P.R. Nair and Saritha S. Nair 2002 . Present management technologies for red palm weevil *Rhynchophorus ferrugineus* Olivier (Coleoptera : Cuculionidae) in palms and future thrust areas. *Pest Management in Horticultural Ecosystems*, 8(2): 69-81.

## **C) Papers presented in conferences / seminars/ workshop**

1. **Faleiro J. R.**, 2007. Management of red palm weevil *Rhynchophorus ferrugineus* Olivier: Issues and strategies. Key note talk delivered at the Fourth Symposium on date palm in Saudi Arabia, organized by King Faisal University, Hofuf, Saudi Arabia, 5-8 May, 2007.
2. **Faleiro J. R.** 2005. Insight in to the management of red palm weevil *Rhynchophorus ferrugineus* Olivier : Based on experiences on coconut in India and date palm in Saudi Arabia. *Proceedings*, 1st International Workshop on red palm weevil, Valencia, Spain, 28-29, November, 2005. (Edt. *Fundacion Agroalimed*) ISBN :84-690-1742-X . 35-57.
3. **Faleiro J. R.** 2004. Pheromone based strategy for the management of red palm weevil in date palm and coconut agro-ecosystems: Implications, Protocols and Impact. *Proceedings*, International workshop on ecosystem based IPM for date palm in the Gulf countries. Al-Ain, UAE, 28-30 March, 2004, 44-56.
4. **Faleiro J. R.** 2004. Pheromone trapping technology for the management of red palm weevil-An overview. *Souvenir*, National Seminar on Trends in Pheromone Research and Technology, Junagadh, Gujarat, 6-7 February, 2004, 81-83.
5. **Faleiro J. R. and V. R. Satarkar.** 2003. Standardizing pheromone trap density for mass trapping red palm weevil in coconut. *Proceedings*, National Symposium on Frontier Areas of Entomological Research, 5-7 November, – New Delhi, 504.
6. **Faleiro, J.R.,** Satarkar, V.R. and P. A. Rangnekar. 2002. Evaluation of pheromone trapping protocols for red palm weevil *Rhynchophorus ferrugineus* Oliv. in coconut plantations. *Extended Summaries*, National Conference on Coastal Agricultural Research, Goa. 6-7 April, Goa, 169-171.
7. **Faleiro J. R. and V. R. Satarkar.** 2002. Sustaining trapping efficiency of red palm weevil, *Rhynchophorus ferrugineus* (Olivier) pheromone traps by periodic replacement of food baits. National Seminar on Resources management in plant Protection during twenty first Century. 14-15, November, Hyderabad.
8. **Faleiro, J. R. and P. A. Rangnekar.** 2001. Field longevity of red palm weevil attracting pheromone (ferrolure +) in coconut plantations. *Proceedings* , Second National Symposium on IPM in Horticultural crops: New molecules, Biopesticides and Environment , Bangalore, 17-19, October.
9. **Faleiro, J. R.** 2000. Investigations on the role of pheromone trapping in the suppression of red palm weevil *Rhynchophorus ferrugineus* Oliv. population in coconut plantations. Paper presented – International Conference on Managing Natural Resources. 14-18 Feb. New Delhi. *Extended Summaries*, (3):1338-1339.
10. **Faleiro, J. R. and P.A. Rangnekar.** 2000. Sex Ratio of Pheromone Trap Captured Red Palm Weevils, *Rhynchophorus ferrugineus* Oliv. in Coconut Plantations of Goa. International Conference on Plantation Crops (PLACROSYM-XIV), Hyderabad, 12-15<sup>th</sup> December.

## **D) Extension material (folders, TV, radio, popular article)**

1. **Faleiro, J.R. and V.R. Satarkar.** 2003. Pheromone traps for the management of red palm weevil – A key pest of coconut 2003. Extension folder number, 29, ICAR Research Complex for Goa, Ela, Old Goa.
2. **Faleiro J.R.** 2001. IPM for the management of red palm weevil in coconut. National TV (Doordarshan) on 18/4/2001.
3. **Faleiro J.R.** 1999. IPM for the management of red palm weevil in coconut. All India Radio on 5/1/1999.
4. **Faleiro, J. R.,** Mahmood Al Shuaibi and V. A. Abraham. 1998. Role of Pheromone trapping in red palm weevil management. *Indian Coconut Journal*, 29:1-3.

#### **E) Technical Bulletins and Reports**

1. **Faleiro J.R. 2007.** Report of deputation to Saudi Arabia, after participating in the Fourth symposium on date palm in Saudi Arabia, organized by King faisal University, Hofuf, Saudi Arabia, 5-8 May, 2007, submitted to ICAR, New Delhi, 4pp.
2. **Faleiro J.R. 2005 .** Pheromone technology for the management of red palm weevil *Rhynchophorus ferrugineus* (Olivier) (Coleoptera : Rhynchophoridae) –A key pest of coconut, *Technical Bulletin* No.4,ICAR Research Complex for Goa.40pp
3. **Faleiro J.R. 2004 .** Report of deputation to United Arab Emirates, Al Ain , after participating as a resource person in the International workshop on ecosystem based IPM for date palm in the Gulf countries. Al-Ain, UAE, 28-30 March, 2004, submitted to ICAR, New Delhi, 4pp.
4. **Faleiro, J.R. 2003 .** Management of red palm weevil in coconut using food baited pheromone traps. Final Report- Submitted to the Agro-Ecosystem Director (Coastal), National Agricultural Technology Project, 54pp.
5. **Faleiro, J.R. 1998 .** Report of deputation to the Ministry of Agriculture and Water, Kingdom of Saudi Arabia (Red Palm Weevil Control Project)- Submitted to the Indian Council of Agriculture Research, New Delhi. 19pp.

#### **F) Invited Lectures**

1. **Faleiro J.R. 2005 .** A decade of pheromone technology for the management of red palm weevil *Rhynchophorus ferrugineus* Olivier in palm based agro-ecosystems. Invited talk delivered at the Centenary Convention, Division of Entomology, Indian Agricultural Research Institute, New Delhi, 22-23, March ,2005
2. **Faleiro J.R. 2005 .** Advances in the IPM in red palm weevil on coconut. Expert lecture delivered on 3/1/2005 at the center of advanced studies, Department of Entomology, Haryana Agricultural University, Hissar, India, during the 21 days training programme on “Advances in IPM of horticultural, spices and plantations crops. (21<sup>st</sup> Dec, 2004 to 10<sup>th</sup> Jan, 2005).