



## Asghar Talbalaghi

Freelance Entomologist - Consultant in IPM  
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### **PROFILE:**

Technical consultant and researcher specialising in vector control using biological and chemical methods. Extensive experience in Integrated Pest Management, policy development and field activities, as well as co-ordination of training/educational programmes in medical entomology.

Operational management wide mosquito control programmes in Italy.

Vector and Mosquito control, setting up plans for big strategies for fight against Vector Born Diseases

Wide experience in Public Awareness programme and public relation.

Wide experiences in setting up scientific and technical and innovation events.

### **EDUCATION:**

1993 Post-graduate Diploma of Specialisation in Entomology, Specialisation School of Phytopathology, University of Bologna. (Two Years duration)

1991 Post-graduate diploma in Rural Development in Third World Countries, University of Padua. (one year Duration)

1990 Degree in Agriculture Science, University of Bologna. (Four years Duration)

## **RESEARCH AND PROFESSIONAL EXPERIENCE:**

- Conducting research on nuisance and vector arthropods (primarily mosquitoes) inhabiting freshwater and environments; relationship of biotic and abiotic ecological factors that influence invertebrate populations in lentic systems; modelling of spatial distributions of mosquito larval populations in several habitats and their dispersal relationships with climate parameters records (2008).
- Conducted creative experiences on informatic innovation in dissemination of information and rapidshare of experiences for a rapid surveillance of data collectable in wide geographical area(2008)..
- Improvement of Public awareness initiatives for quality of the people by reducing the mosquito nuisance level, promotion of the study, prevention and control of mosquito born diseases through promotion of general public and authorities awareness about mosquito control and related subjects (2007)
- Development and implementation of new materials, techniques and tools for mosquito control,
- Enhancing control measures based on Integrated Pest Management principles by favouring methods with low toxicological profile and low environmental impact,
- Activity on specification, development and standardisation of rules of “good laboratory and field practice” in testing and application of insecticides, sampling methods, monitoring techniques, treatment procedures and other control measures,
- Organisation of educational and training courses, involving schools (2004-2008)
- Research on the setting up of improved methodology for a Rapid Surveillance Network for *Aedes albopictus* control and its dispersal and plan for an eventual reduction of diseases. Elaboration of methodology of spraying means as focuses of Technical and scientific coordination for the Mosquito Control District \_Alessandria, of 29 municipalities in province of Alessandria on a territory of 82.000 hectares. The manager of operational works (1996-2008)
- conducting experiences on criteria in use of GIS in mosquito control programme for the realization of technical maps and monitoring of mosquito population and management of maps and the management of data recorded.(2007-2008)
- Conducting experiences on characterization and calibration of application devices of ground and aerial application with publication of works in local and scientific publications in association with agronomical practices(2004-2007).
- Promotion of European co-operation and participation in mosquito control projects in Europe and developing countries, through the organisation of international events:
  - 5<sup>th</sup> Workshop of European of Mosquito Control Association (2009)

- International Symposium on Chikungunya (2008)
- International Symposium on Ricefields and mosquitoes (2006)
- Conducted research on Nuisance level of mosquitoes on persons in area highly infested by *Ochelorotaus caspius*(2006)
- Efficacy test of repellency and persistency of a botanical repellent on human and horses (2005).
- Conducted research on performance of BG TRAP for capturing *Aedes albopictus*  
Conducted creative experiences on informatic innovation in dissemination of information and rapidshare of experiences.for a rapid surveillance of data collectable in wide geographical area (2004).

Conducted research on Nuisance level of mosquitoes on horses in area highly infested by *Ochelorotaus caspius* (2003-2004)

- Blackfly Species in the region of Alessandria (2004)
- Potential of dry ice baited trap in reducing mosquito abundance of Mosquitoes (2003- 2004)
- 
- Conducting research at Horticulture Research International, as Winer of COMET Garant of European Union for IPM research, Littlehampton W. Sussex (UK) . Evaluation of IGR , Buprofezin aginst many pest, Biological control against Sciarid Fly and performance of entomopathogen *Verticillium lecanii* which has a worldwide distribution found on insects. In horticulture and agriculture for controlling insect pests and mites ( 7 month ) 1993

### **TEACHING EXPERIENCE:**

- Training course for medical doctors and Vetrinary On guidline for mosquito control and legislation held by Veterinary facoultly of university of Turin (2009)
- Trainer for traing course for field technicians andd reposable and inventor of public awrnnesses campagne for mosquito control at schools and toward the inhabitants.Realization of many quality adwertisement to population .

## **PROFESSIONAL AFFILIATIONS:**

- European Mosquito Control Association American Mosquito Control Association;  
The Society for Vector Ecology;

## **AWARDS:**

Distinguished Service Award  
By European Mosquito Control Association

## **COURSES ATTENDED :**

1999 GIS programme in mosquito control

1994 Management of Territory and Vegetation, University of Bologna  
(University Enterprise Training Partnership)

1991 Assistant of Information Technology in Agriculture  
Acknowledged by The Provincial Authorities in Bologna

1990 Tropical Agrozootechnics and the Protection of the  
Environment, "Università della Pace" of Turin.

1989 "Co-operation seen as an Opportunity for Self-Development in  
Developing Countries" organised by COSPE (ONG) and the League of  
Co-operatives, held in Bologna from April to October 1989.

## **SHORT PROFESSIONAL EXPERIENCE :**

1991 Co-ordinator of the course "Intervention for the Restoration of  
the Environment" on behalf of the Cooperatives: Alveo, Avola,  
Agrinatura, in Bologna

1991-1992 Experience in "Biological Pest Control by means of Useful  
Pest" C/O Institute of Entomology G. Grandi at Bologna  
University (2 years).

1993 Field experience in rural area in northern Kenya, Meru on Sustainability of Rice  
farming practices in a Scheme, publication of capture Tesis on for the Post-graduate  
in "Rural Development in Third World Countries" (one Month)

1994 Freelance Inspector of ENSE (Italian Seed Control Board) for the certification  
quality of seeds production( 2 years)

1992 Freelance Technical and Scientific Advisor for AURA S.p.A.,  
Savignano (FO) in Urban Pest control, on mosquito, and urban and ornamental  
plant pest control Control (2 years).

1998 Several Training Course organiser for Biologists, on "Vector Control"

2001 Consultant to AUSL (Local health Departments) of Mantova Province Italy, on

urban pest management.

2001 Consultant on Mosquito Control, charged by Zucchet Company Rome for setting up a feasibility study of Vector Control Plan at Kinshasa, an initiative organised by the Congo's government . The operational work was interrupted for local political situation (one month)

2001 Consultant in a Tiger Mosquito Control Programme, set up of a monitoring network in Rome PCO ROMANA AMBIENTE srl one year

2001 Discoverer of Tiger Mosquito during a consultancy for Mosquito Control and *Aedes albopictus* surveillance, one year a Plan of Municipality of Pisa in collaboration ENTOMOX PCO and Municipality of Pisa, Italy

2001 and still On going Consultancy for Tiger Mosquito Surveillance Network, in a recycling Scheme for used tired and technological ststrategy for pest Control fly, rodente, tick control in a public recycling Garbage Compund, SRT SpA

2001 2003 Consultant for several private PCO's (Pest Control Companies)

2002 Laboratory and field evaluation of Teknar HP- D against *Oc. caspius* in collaboration with Prof. Arshad ALI University o f Florida Mid-Florida Research and Education Center

2004 Field evaluation of Microbial products, experimental Ice pearl, Granual Formulation in rice field in collaboration with University of Florida, Valent Bioscience, KABS Gerrmany , *Germany Mosquito Control Association*,

2004- 2008 Pest control Consultant for SRT S.p.A. a public company for Waste Management for 80 Municipalities in Piedmont, Fly and mosquito control

PROFESSIONAL EVENTS: (be explicit, 2 separate events attended/events participated)

1998 International Meeting on Mosquito's Control. Italy Casale Monferrato

1999 International Congress of Urban Pest Prague Czech Rep

1999 The congress of Italian Society of Paritology Padua Italy.

2000 International Congress of Entomology – Iguassu Brazil

2000 13th European SOVE meeting Belek Turkey.

2001 International SOVE Meeting – Barcelona Spain

2002 Seminar on Mosquito Control Strategy at university of Novi Sad, Rep. Of Serbia

2002 Seminar on Ricefield Mosquito Control, Casale Monferrato – Italy

- 2002 Invited speaker at Workshop for Tiger mosquito Programme- Terni- Italy
- 2002 Invited Speaker for future Mosquito Control Organization , Piedmont, Italy
- 2002 Different Regional Workshops
- 2003 Invited Speaker on International Mosquito Control Programmes at the meeting of Casale Monferrato meeting for the future organization of Mosquito Control in Piedmont
- 2003 Invited lecturer at the meeting on France and Spain Experiences on mosquito control,- organized by Province of Alessandria
- 2004 Speaker at 14th European SOVE Meeting Bellinzona, 2003
- 2004 Seminars on Tiger Mosquito and approach of control. Health department of Rep. San Marino
- 2004 Seminar on use of GIS in Mosquito Control Strategy at department of ecology of Hacettepe University of Ankara-Turkey
- 2004 Seminar on Mosquito Control Strategy at Association of Inter-Department Ecology Group Field of different universities of Ankara-Turkey
- 2004 Seminars for Italian Pest Control Companies
- 2004 Speaker at European Mosquito Control Association workshop, Osijek Croatia Evaluation of Vectobac G in aerial application as new approaches for control of mosquito larvae in rice field supporting tall rice in Piedmont
- 2004 Speaker at European Mosquito Control Association workshop, Osijek Croatia Evaluation of Bti based Ice Pearl in aerial application as new approaches for control of mosquito larvae in rice field supporting tall rice in Piedmont
- 2004 Speaker at European Mosquito Control Association workshop, Osijek Croatia Public awareness and education through volunteer participation in mosquito control program

- 2004 Poster presenter at European Mosquito Control Association workshop, Osijek Croatia Potential of dry ice baited trap in reducing mosquito abundance
- 2004 Poster presenter at European Mosquito Control Association workshop, Osijek Croatia
- 2004 Notes on some blackfly species present in the region of Alessandria
- 2004 Seminar on “approach to Mosquito Control” University of Piedmont Orientale” dep of Environment and life – Alessandria
- 2005 Speaker at The Fort international Conference on Biopesticides, Chiang Mai Thailand Larvicidal efficacy of three commercial and one experimental formulations of *Bacillus thuringiensis* serovar *israelensis* against Mosquitoes in Ricefield of Piedmont, Italy
- 2005 Poster presenter at 4th International Congress of Vector Ecology (SOVE)- October Reno USA “Evaluation of a promising new natural repellent formulation on horses
- 2005 Poster presenter at 4th International Congress of Vector Ecology (SOVE)- October Reno USA, Evaluation of the BG-Sentinel, a new monitoring trap for mosquitoes, in northern Italy.  
A. Talbalaghi, Bitzhenner, C. Guaraglia, M. Geier, A. Rose
- 2005 “Evaluation of a promising new natural repellent formulation on humans.  
A. Talbalaghi, A. Parodi, U. Kröckel, A. Rose
- 2005 Speaker at 3° Simposio – Vectores Emergentes, Controle Biologico e Biotecnologia, October Manaus Brazil  
“ Strategies of Control (Diptera: Muscidae) in a Waste Disposal Compound”
- 2005 Speaker at 3° Simposio – Vectores Emergentes, Controle Biologico e Biotecnologia October Manaus Brazil  
“larvicidal efficacy of three commercial and one experimental formulation of *Bacillus thuringiensis* subsp. *israelensis* against mosquito in ricefields of piedmont, Italy
- 2006 Speaker at EURO SOVE(Society of Vector Ecology) Serres, Greece, on

Determination of Mosquito Nuisance level on humans and Animal

- 2006 Poster presenter at European Congress on Black fly, Novi Sad, Serbia
- 2006 Organizer of International Symposium of Mosquito and Ricefield” in Alessandria.

- 2006 Speaker at Alessandria symposium on Mosquito Control Approaches
- 2006 Consultant for GICO PCO's for tiger mosquito control strategy in Bologna
- 2006 Collaboration with president of Environment Commission of Italian Senate for the preparation of a Draft for a national Law.
- 2007 Speaker at Italian National Institute of research, CNR Rome on “Zanzare e

Altro...in Italia, (Mosquito Issue) Strategies for human and environment protection.

- 2007 Organizer of the first trial of ground and aerial application system of fertilization in ricefield used as the mosquito control event.
- 2007 Organizer of Educational initiative for children in schools of Florence, Mosquito day
- 2007 Participation to Technical in Piedmont Regional Government on Ricefield Issue and the Set up of Guide Line.
- 2007 Speaker at European Workshop of Mosquito Control Association, held in Prague on experimental application of the cost reduction by use of Vectobac G together Fertilizer in Ricefield and evaluation of Diflubenzuron during seeding.
- 2007 Climate change and factors determining the *Ochlerotatus caspius* abundance Asghar Talbalaghi & Federico at Workshop Of European Mosquito Control Association, Prague
- 2007 Report at EMCA WORKSHOP 2007 Prague Chikungunya Outbreak in Italy and tiger mosquito Control situation.
- 2007 Promoter for the EMCA resolution sent to EU members authority for an European effort against *Aedes albopictus* as necessary approach for avoiding the disease spreading in Italy and Europe.

- 2008 Organiser and speaker of international Symposium on Chikungunya held on 27 Feb in Alessandria –Italy

- 2008 Preparation of “Alessandria Resolution” signed by major expert national and international as WHO, ISS .experts. which was later consigned European Centre for Disease Prevention and Control of Stockholm
- 2008 Poster Presenter at ESOVE meeting Cambridge



- 2008 Participant at Chikungunya Modelling meeting in Stockholm invited by ECDC
- 2009 Organiser of 5<sup>th</sup> Workshop of European Mosquito Control Association in Turin  
www.zanzare.eu
- 2009 Moderator and speaker and posters presenter at International SOVE Congress TK

## **PROFESSIONAL AFFILIATIONS:**

Founder and Executive Director of No Profit Association **IMCA (Italian Mosquito Control Association)**

European Mosquito Control Association, Italian National Director and European Executive committee member

Member of The Society for Vector Ecology.

Member of American Mosquito Control Association

## **PUBLICATIONS:**

*Helyer, N.L. & Talbalaghi, A. (1994) Evaluation of buprofezin against green leafhopper (Empoasca decipiens). Tests of Agrochemicals and Cultivars 15 (Annals of Applied Biology 124 Supplement) 8-9.*

*A. Talbalaghi, 1999, Three years experiences on Mosquito's Control in Piedmonte published by (Disinfestazione ed Igiene ambientale ) Italy*

*A. Talbalaghi, 1999 Proceedings of International Meeting on Mosquito's Control. Italy Casle Monferrato, page18.*

*A. Talbalaghi, Andrea Mosca, 1999; Mosquito (DIPTERA: CULICIDAE) control in agricultural areas in Piedmont, Italy, Proceedings of International Conference on Urban Prague Page, 660.*

*A. Talbalaghi, 2000; Mosquito's control (diptera: Culicidae) in some areas in Piedmont, Page 62, Suppl.1 PARASSITOLOGIA.*

*A. Talbalaghi; 2000; The Field Experiences of Mosquito's (DIPTERA CULICIDAE) Control in some area in Piedmont (Italy). Proceeding of XXI International Congress of Entomology 200 Book I page 90.*

*A. Talbalaghi; 2000; The Italian Pest Control Association- Challenges for the new millennium; Proceeding of XXI International Congress of Entomology Book II page 1047.*

*A. Talbalaghi, 2000; Mosquito's control (Diptera Culicidae) in Southern Alessandria's province in Piedmont, Proceeding of the 13th European SOVE meeting, page79.*

*A. Talbalaghi, A. Mallarino , (Hyphantria cunea, Metcalfa Pruinosa) 2000, Lotta biologica contro fitofagi., Disinfestazione Sett.-Ott. 2000, page 11.*

*A. Talbalaghi, A. Mosca, L. Balbo, 2001; Observation of temperature-related population trends of Aedes caspius and Culex spp. Mosquitoes in Piedmont, Italy; t book 3th*

International Congress of vector Ecology.

A. *Talbalaghi*, Mosquito Control Strategy, news paper of Novi Sad Faculty, 2002

A. *Talbalaghi*, Mosquito Control Strategy, Meeting in Casale Monferrato Abstracts book, 2002

A. *Talbalaghi*, A. *Mosca*, A. *Ali*, 2003; Larvicidal Efficacy of Teknar<sup>®</sup> HP-D (*Bacillus thuringiensis israelensis*) Against the Mosquito *Ochlerotatus caspius* in the laboratory and in Ricefield Plots, Piedmont, Italy. Proceeding of congress of SOVE 2003

A. *Talbalaghi*, GIS in Mosquito Control Strategy, news paper of Faculty of Biology department, Hacettepe University of Ankara-Turkey 2004

*Asghar Talbalaghi*, *Arshad Ali* and *Peter DeChant*, Evaluation of VectoBac<sup>®</sup> G in Aerial Application for Control of Mosquito Larvae in Rice Paddies Supporting Tall Rice (> 30 cm) in Piedmont, Italy, Abstract book of European Mosquito Control Association workshop, Osijek Croatia

*Asghar Talbalaghi*, *Andrea Mosca* and *Norbert Baker*, Evaluation of Bti Based Ice Pearls in Aerial application as new approaches for Control Of Mosquito Larvae In Rice Field Supporting Tall Rice In Piedmont, Italy, in Piedmont, Italy, Abstract book of European Mosquito Control Association workshop, Osijek Croatia 2004

A. *Talbalaghi*, *F. Fossati*, *S. Cecco*, *O. Dura*, *M. Moretti*, *E. Fornari* and *R. Alemi*, Public Awareness and Education through Volunteer Participation in Mosquito Control Program

Abstract book of European Mosquito Control Association workshop, Osijek Croatia 2004

*Talbalaghi A.*, *Ignjatovic Cupina A.*, *Petric D.*, *Zgomba M.*, *Konjevic A.* Notes on some Black fly Species present in the region Of Alessandria, (Piedmont, Italy), Abstract , book of European Mosquito Control Association workshop, Osijek Croatia 2004

*Asghar Talbalaghi*, Zanzare: gestione del problema nel tempo ed esperienze, IGIENE ALIMENTI disinfezzazione & igiene ambientale, Bimestrale , edito da MO.ED.CO Milano n° 4/2004

*Asghar Talbalaghi*, *Arshad Ali* and *Peter DeChant*, Larvicidal efficacy of three commercial and

one experimental formulations of *Bacillus thuringiensis* serovar *israelensis* against Mosquitoes

in Ricefield of Piedmont, Italy , Proceeding of The Fort international Conference on Biopesticides, Chiang Mai Thailand, 2004

*Asghar Talbalaghi* A. *Parodi*, *F. Sgariboldi*, *S. Cecco*, "Evaluation of a promising new natural

repellent formulation on horses, Proceedings of 4th International Congress of Vector Ecology

(SOVE)- October 2005, Reno USA

*Asghar Talbalaghi A.Parodi, U. Kröckel, A. Rose*, “Evaluation of a promising new natural repellent formulation on humans”, Proceedings of 4th International Congress of Vector Ecology

(SOVE)- October 2005, Reno USA

*Talbalaghi A., Bitzhenner, C. Guaraglia, M. Geier, A. Rose* “Evaluation of the BG-Sentinel, a new monitoring trap for *Aedes albopictus*, in northern Italy. Proceedings of 4th International Congress of Vector Ecology (SOVE)- October 2005, Reno USA

*A. Talbalaghi, A. A. Parodi, F. Sgariboldi, S. Cecco* Presentatore Poster al 4° Congresso di

“Society of Vector Ecology” (SOVE)- October 2005

Reno USA “Valutazione dei nuovi promettenti repellenti naturali su cavalli

*A. Talbalaghi, A.Parodi, U. Kröckel, A. Rose* Atti del convegno, Pdel 4° Congresso di “Society of Vector Ecology” (SOVE)- Ottobre 2005 Reno USA “Valutazione dei nuovi promettenti formulati repellenti naturali sull'uomo.

*A.Talbalaghi, Bitzhenner, C. Guaraglia, M. Geier, A. Rose* Atti del convegno di “Society of Vector Ecology” (SOVE)- October 2005

*Asghar Talbalaghi*, Atti del convegno “Larvicidal efficacy of three commercial and one experimental formulation of *Bacillus thuringiensis* subsp. *israelensis* against mosquito in

Ricefield of piedmont, Proceeding of 3rd Simposio – Vectores Emergentes, Controle Biologico

e Biotecnologia October Manaus Brazil

*Asghar Talbalaghi*, Atti del convegno Proceeding of 3° Simposio – Vectores Emergentes,

Controre Biologico e Biotecnologia “ Strategies of Control (Diptera: *Muscidae*) in a Waste

Disposal Compound” October Manaus Brazil 2005

*A. Talbalaghi, M. Pessino, P. Agosta, Tiziana Bo and A. Ignjatovic Cupina*

Overview of possible simulidae related problems in the Alessandria District (Piedmont, Italy), Supplemento ACTA ENTOMOLOGICA SERBICA 2006

*Asgar Talbalaghi*

La semina del riso in asciutta riduce le infestazioni di zanzare , Terra & Vita n° 50  
2007

*Asgar Talbalaghi*

Mentre si concima è possibile eliminare le larve di zanzare, Terra & Vita n° 8 2008

INTERESTS:

Photography, Travelling and high mountain trekking