

Salvatore Cifarelli

## Personal Info

Born: Bari (ITALY), May 8th 1952.

Nationality: Italian

Sex: Male

Professional Address:

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Position:

1982-today:

Technician IV Level at the National Research Council (CNR), Institute of Biosciences and Bioresources (IBBR)

Main research interests:

- Plant exploration and germplasm collection of Plant Genetic Resources (PGR) in the Mediterranean,
- Mediterranean germplasm (PGR) identification, characterization, evaluation, documentation and *ex situ* conservation (in the Genebank of Bari).
- Study on *in situ*, *on farm* and *on garden* conservation of Plant Genetic Resources (PGR) and investigation on landraces and folk varieties, on cultivars and different forms of the Italian typical varieties and on the safeguarding of the related traditional knowledge (i.e.: historical, ethnobotanical and culinary traditions)
- Historic and ethnobotanic studies on the Italian linguistic islands and on their Plant Genetic Resources.
- Archeobotanic studies on PGR with particular attention, to the hulled wheats and to the neglected and underutilized crops
- Participatory Plant Breeding approach in cooperation with NGO, public and local Administrations, farmers organizations and single owners of homegardens

Main projects and events

- Feeding Knowledge – Participation to the International Call for Best Sustainable Development Practices on food security (2014)
- BiodiverSO – Biodiversità delle Specie Orticole della Puglia (2014)
- SaVeGraInPuglia - Recupero, caratterizzazione, salvaguardia e valorizzazione di leguminose e cereali da granella e foraggio in Puglia (2014)
- Biodiversity for the sustainability of the Mediterranean farming (2013)
- “Management and use of plant genetic resources using innovative techniques” (CRA - Implementation of the National FAO Treaty on Plant Genetic Resources) (2013)
- Plant exploration and germplasm collection of PGR, (seeds of model species - *Arabidopsis thaliana*; bioactive species: *Eruca sativa*, *Borago officinalis* and Crop Wild Relatives (CWR)
- Fascination of Plant Day 2013 – “Storie di piante e uomini tra agricoltura e biodiversità” contribution to the ideation and the editing of posters and graphic design.

Main advanced courses attended:

- Specialization on computer security - Studiodelta S.r.l. Via G.Amendola, 162/1 - 70126 Bari, (29/11/2006)
- Advanced course in theoretical and practical "Management of a germplasm collection of *Arabidopsis thaliana*" to the European Arabidopsis Stock Centre of Nottingham (NASC), England. University of Nottingham – School of Biosciences - Plant Science Division – (June 2005)
- Specialization on Geographic Information System (GYS) "Da ArcView 3.x ad ArcView 8.1". Planetek Italia S.r.l. Via Massaua, 12 - 70123 Bari (26/3/2003)
- "Advanced computer training" (Microsoft Excel, Adobe Photo Shop, Microsoft Power Point, Microsoft Access, Microsoft Front Page) (2002)
- Specialization on "Geographic Information System (GYS) and Remote Sensing". Planetek Italia S.r.l. Via Massaua, 12 - 70123 Bari (27-31/5/2002)
- Training Course (ex Law n.285) in the specialization on "morphological, chemical and biological Sciences" National Research Council - (1982-1989)

Main Roles Covered:

- Member of the team of explorers and researchers specializing in the preservation and conservation of Plant Genetic Resources, for the protection of Biodiversity and Natural Environments.
- Organizer of the dissemination courses and guided visits for students on the multidisciplinary matters concerning Plant Genetic Resources, Agrobiodiversity and Archeobotany
- In charge of the documentation on the cine-photographic material, both analog and digital concerning the Plant Genetic Resources, their exploration and collection, handling edition of books, posters, depliant with particular attention to the design and high level of graphics and editing (graphic and photographic creative elaboration, freehand drawing, line art and color drawing and their digitalization etc.)
- Expert in designing and preparing scientific events and exhibitions on PGR and related multidisciplinary matters.
- Expert in the executing of scientific photos, drawings and macro images; digitalizing slides

Laghetti G., Pignone D., De Lisi A., Cifarelli S., Faslia N. and Hammer K. 2011. Collecting crop genetic resources in Italian towns of Albanian origin across the Molise, Calabria and Sicily regions. *Genet Resour Crop Evol* 58:139–152.

Laghetti G., Cifarelli S. 2011. *A list of the collected material* In: Hammer K., Laghetti G., Pignone D. (eds.), *Linguistic Islands and Plant Genetic Resources - The Case of the Arbëreshë*. Chapt.IX, 225-235. ARACNE, Rome

Cifarelli S., Laghetti G. 2011. *The evolution of Arbëreshë agriculture - historical documents*. In: Hammer K., Laghetti G., Pignone D. (eds.), 2011. *Linguistic Islands and Plant Genetic Resources - The Case of the Arbëreshë*. Chapt.VI, 141-187. ARACNE, Rome.

Laghetti G., Pignone D., Cifarelli S., Martignano F., Falco V., Tracò B. R. G., Hammer K. 2008. Agricultural biodiversity in Grecia and Bovesia, the two Griko-speaking areas in Italy. *FAO-IPGRI Plant Genetic Resources Newsletter*, 156: 43-49



Laghetti G., Cifarelli S. & Hammer K. 2008. Exploration and collecting expeditions on Montecristo, Gorgona and Giannutri islands (Italy). *FAO-IPGRI Plant Genetic Resources Newsletter* 153: 61-66.

Laghetti G., Pignone D., Cifarelli S., Hammer K. & Skoula M. 2008. Collecting crop genetic resources in Mediterranean agricultural islands: Crete (Greece). *FAO-IPGRI Plant Genetic Resources Newsletter* 154: 59-65.

Laghetti G., Miceli F., Cifarelli S., Hammer K. 2008. Collecting crop genetic resources in Italy, 2004. *FAO-IPGRI Plant Genetic Resources Newsletter*, 152: 82-87.

Hammer K., Cifarelli S., Laghetti G. 2008. Linguistic islands and plant genetic resources - the case of German-speaking villages in northern Italy. *Plant Genetic Resources Newsletter Procc. of the 18th Eucarpia Genetic Resources Section Meeting. Plant Genetic Resources and their Exploitation in the Plant Breeding for Food and Agriculture*, Piešťany, Slovak Republic

Bullitta S., Laghetti G., Cifarelli S., Nivaggioli H. & Hammer K. 2008. Collecting crop genetic resources in the Mediterranean agricultural islands: Corsica (Part II – southern Corsica). *FAO-IPGRI Plant Genetic Resources Newsletter* 153, 48-54.

Fiorentino G., Laghetti G., Cifarelli S. and Hammer K., 2007. Hulled wheats in isolated areas of southern Italy: palaeo-ethnobotanical and agronomical perspectives. *Procc. of the Third International Biogeography Society Conference*. 9-13 January 2007, Puerto de la Cruz, Tenerife, Canary Islands, p.62.

Laghetti G., Pignone D., Cifarelli S. and Hammer K. 2007. Monitoring the last autochthonous hulled wheats in central southern Italy. In: *Procc. of the 18th Eucarpia Genetic Resources Section Meeting 'Plant Genetic Resources and their Exploitation in the Plant Breeding for Food and Agriculture*. May 23-26, 2007, Piešťany, Slovak Republic.

Laghetti G., Pignone D., Cifarelli S., Hammer K., Skoula M. 2007. Collecting agro-biodiversity on the island of Crete (Greece). *INSULA (Intern. Journ. of Island Affairs)*. Dossier: Islands' Genetic Resources. Year 16, No 1, October 2007:6-18.

Laghetti G., Miceli F., Cifarelli S., Hammer K. 2007a. Collecting crop genetic resources in Italy, 2004. *FAO-IPGRI Plant Genetic Resources Newsletter* 152:82–87

Laghetti G., Fiorentino G., Cifarelli S., Pignone D., Hammer K. 2007 Agrobiodiversity in the small Mediterranean islands *Procc. of the Third International Biogeography Society Conference*. 9-13 January 2007, Puerto de la Cruz, Tenerife, Canary Islands, p. 68.

Hammer K., Miceli F., Cifarelli S., Laghetti G. 2007b. Sauris (Zahre), a cultural and linguistic island in Carnia (Italy). In: Bullitta S., editor. *Plant Genetic Resources of Geographical and Other Islands. (Conservation, Evaluation and Use for Plant Breeding)*. Proceedings of the XVII Eucarpia Genetic Resources Section Meeting, Castelsardo, Italy, 30 March–2 April 2005. CNR-ISPAA, Sassari, Italy, pp. 185–192.

Hammer K., Cifarelli S., Laghetti G. 2007a. Linguistic islands and plant genetic resources – the case of German-speaking villages in northern Italy. In: Hauptvogel P., Benediková D., Hauptvogel R., editors. *Plant Genetic Resources and their Exploitation in the Plant Breeding for Food and Agriculture. Book of Abstracts of the 18th Eucarpia Genetic Resources Section Meeting*, Piešťany, Slovak Republic, 23–26 May 2007. SARC – Research Institute of Plant Production Piešťany, Piešťany, Slovak Republic, 32 pp.

Hammer-Spahillari, M., Laghetti G., Cifarelli S., Hammer K. 2007. Ethnographic islands: the case of the Arbëreshë. In: Bullitta S., editor. *Plant Genetic Resources of Geographical and Other Islands. (Conservation, Evaluation and Use for Plant Breeding)*. Proceedings of the XVII Eucarpia Genetic Resources Section Meeting, Castelsardo, Italy, 30 March–2 April 2005. CNR-ISPAA, Sassari, Italy, pp. 173–183.

Bullitta, S., Cifarelli S., Gladys Th., Hammer K. & Laghetti G. 2007. Crop genetic resources on the island of Corsica (France). *Insula* 16 (1), 19-23

Laghetti G., Cifarelli S. e Pignone D. 2006 Reperimento e raccolta di risorse genetiche di *Borago officinalis* L. ed *Eruca sativa* Mill. in Italia meridionale e strategie di salvaguardia. *Mediterrae - Fiera del Levante Bari*. 2006

Laghetti G., Martignano F., Falco V., Cifarelli S., Gladis Th., Hammer K. 2005b. "Mugnoli": a neglected race of *Brassica oleracea* L. from Salento (Italy). *Gen. Res. Crop Evol.* 52(5):635–639.



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- Bullitta S., Cifarelli S., Gladis Th., Hammer K. and Laghetti G. 2005. Collecting crop genetic resources in the Mediterranean agricultural islands: Corsica (Part I—northern Corsica) FAO-IPGRI Plant Genetic Resources Newsletter, 143:27-34.
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- Laghetti G., Scicluna-Spiteri A., Attard E., Perrino P., Cifarelli S. and Hammer K. 2004. Collecting crop genetic resources in the Mediterranean agricultural islands: the Maltese Archipelago. FAO-IPGRI Plant Genetic Resources Newsletter, 139:12-17.
- Laghetti G., Perrino P., Cifarelli S., Bullitta S., Hammer K. 2003. Collecting plant genetic resources in Italy, 2001. FAO-IPGRI Plant Genetic Resources Newsletter 136:23–30.
- Laghetti G., Perrino P., Cifarelli S. and Hammer K. 2003a. Collecting landraces and wild relatives in Tremiti islands, Italy. FAO-IPGRI Plant Genetic Resources Newsletter 133:1–7.
- Laghetti G., Hammer K., Cifarelli S., Branca F., Diederichsen A., Perrino P. 2002. Collection of crop genetic resources in Egadi archipelago and southern Sicily. FAO-IPGRI Plant Genetic Resources Newsletter, 132: 39-47.
- Laghetti G., Perrino P., Cifarelli S., Spahillari M., Hammer K. 2002 Collection of landraces and wild relatives of cultivated plants in Ponziene islands and Tuscan archipelago, Italy. FAO-IPGRI Plant Genetic Resources Newsletter 131: 55-62.
- Laghetti G., Perrino P., Cifarelli S., Bullitta S., Hammer K. 2001. Collecting crop genetic resources in Sardinia, Italy and its isles. Dossier Island Biodiversities. INSULA-International Journal of islands affairs. Unesco. Paris.INSULA 10, (2):25-30.
- Laghetti G., Sonnante G., Cifarelli S., Perrino P. 2001. Genetic diversity in *Vicia articulata* Hornem., a neglected crop in Italy. Proc. of the “4<sup>th</sup> European Conference on grain legumes”. 8-12 July 2001, Cracov, Poland.
- Hammer K., Laghetti G., Cifarelli S., Spahillari M., Perrino P. 2000. Notes to neglected and underutilized crops: *Pimpinella anisoides* Briganti. Genetic Resources and Crop Evolution 47 (2): 223-225.
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- Laghetti G., Perrino P., Cifarelli S., Bullitta S., Hammer K. 1999. Collecting crop genetic resources in Sardinia, Italy and its islands, 1998. FAO-IBPGR Plant Genetic Resources Newsletter 120: 30–36.
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- Puglisi S., Polignano G.B., Cifarelli S., Lovreglio R. 1996. Metodi e strategie per la conservazione del germoplasma vegetale. Atti del Convegno Nazionale *Salvaguardia ed utilizzazione della biodiversità vegetale*, Massafra (TA) 7 giugno 1995, p. 90-102.



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Leone V., Puglisi S., Lovreglio R, Cifarelli S., Attolico M. 1996. Studio della variabilità aloenzimatica in cinque popolazioni di pino d'Aleppo (*Pinus halepensis* Mill.) dell'Italia meridionale. Atti del XL Convegno Annuale della Società Italiana di Genetica Agraria, Perugia 18-21 settembre 1996, p 147.

Puglisi S., Cifarelli S. 1996. Conservazione della biodiversità in specie forestali. Atti del Convegno Nazionale *Salvaguardia ed utilizzazione della Biodiversità vegetale*, Massafra (TA) 7 giugno 1995, p 70-89.

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Puglisi S., Cifarelli S. 1993. Variabilità genetica aloenzimatica del *Pinus sylvestris* L. dell'areale italiano Atti del XXXVII Convegno Annuale della Società Italiana di Genetica Agraria, Orvieto 11-14 ottobre, p.136.

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Laghetti G., Infantino S., Cifarelli S., Figliuolo G., Hammer K., Perrino P. 1990 Risorse genetiche selvatiche di frumento in Italia meridionale e Sicilia. Atti del XXXIV Convegno SIGA, Marina di Ugento (LE) 8-11 ottobre 1990, pp. 112-113.

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Pignone D., Cifarelli S. 1989. Una nuova tecnica per l'identificazione dei cromosomi mitotici di *Vigna unguiculata* (L.) Walp. Atti del XXXIII Convegno SIGA, Alghero.

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