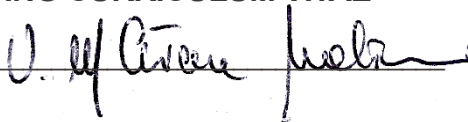


The undersigned, VITA MARIA CRISTIANA MOLITERNI
being aware of the criminal liability which may incur in the event of false declarations, pursuant to and
for the purposes of Article 76 of DPR 445V2000, and under her own responsibility
DECLARES

THE FOLLOWING CURRICULUM VITAE

Date 24/06/2026 

PERSONAL INFORMATIONS

Name: Vita Maria Cristiana Surname: Moliterni

✉ vitamariacristiana.moliterni@crea.gov.it

Sex F | Date of birth 31/03/1971 | Nationality italian

JOB EXPERIENCES

September 2008 – Actual *researcher*
CREA-Research Centre for Genomics and Bioinformatics
Fiorenzuola d'Arda (PC- ITALY)

Activities: study of stress physiology in plants of agricultural interest (beta vulgaris, citrus) by high throughput proteomics and transcriptomic analysis. Study of the nutritional composition of raw materials of plant origin (triticum, cannabis sativa) by means of high throughput proteome analysis (LC-MS/MS platform). Metagenomics and Metabarcoding (16SrRNA metabarcoding) of environmental or industrial samples (soil, bioreactors)

- Research responsible of the WATER RETTING 4.0 project (Development and testing of an industrial bioreactor for the extraction of hemp fiber and the sustainable production of fabrics and constructions (<https://water-retting.it/>))
- Scientific responsible for the service contract in the framework of the project OVHERSEEDS (Overcoming the technical drawbacks of Hemp sEed hARvesting and poSt-harvEsting for an innovativE and Sustainable agroindustrial chain) for the development of a NIRS method for measuring hemp seed quality.
- Scientific coordinator of the SCARABEO project (<https://www.psrscarabeo.it/english-summary/>)
- Scientific coordinator of the CATERPILLAR project (<https://www.gocaterpillar.it/?lang=en>)
- CREA-GB Manager of Proteomics Laboratory
- CREA-GB CER Manager

Dec 1998 – March 2008 *young scientist*
CREA – Research Centre for Industrial Crops
Bologna (BO- ITALY)

Activities: Development of molecular markers for sex and chemotype in Cannabis sativa, and its rapid detection on leaf samples. Development of experimental models for studying the response to cold and nutritional stress in Beta vulgaris. Development of protocols for transcriptomic analysis in Cannabis sativa and Beta vulgaris (cDNA-AFLP).

- Responsible for the monitoring of THC levels in national hemp crop cultivations (Reg. CE N. 2860/2000, All. I)
- Research grant Prot. Mi.P.A.F. N 91107 of 2.7.2004 on the topic 'Analysis of gene flow in sugar beet and its impact on the biodiversity of wild genetic resources'.
- Research grant Prot. Mi.P.A.F. N 112091 of 24.9.2002 on the topic 'Isolation of genes involved in the expression of useful traits in germplasm of non-food plants',
- Fixed-term contract as employee engaged in research activities within the Project: 'Hemp for textile

fibre: from production to utilisation',

- Scholarship DM 277/7241/97 'Potato Project: Characterisation of germplasm bank', lasting 17 months.

Rome
April 1998 - November 1998

young scientist

CREA – Research Centre for Cereal crops

Rome- ITALY

Activities: Determination of enzyme activities related to fructan metabolism in immature wheat samples. Responsible of the plant biochemistry laboratory

EDUCATION

1999-2002	Specialisation in Applied Genetics	8
	Alma Mater University of Bologna -ITALY	
	grade: 70/70 cum laude	
1989-1996	Master's Degree in Biological Sciences	7
	University of Bari -ITALY	
	grade 110/110 cum laude	
1984-1989	Classical High School	4
	E.R. Duni High School – Matera -ITALY	

PERSONAL SKILLS

Mother tongue Italian

Others

COMPREHENSION		SPEAKING		WRITING
Listening	Reading	Interaction	Communication	
B1	B1	B1	B1	B1

English

Livelli: A1/A2: Utente base - B1/B2: Utente intermedio - C1/C2: Utente avanzato
[Quadro Comune Europeo di Riferimento delle Lingue](#)

Communication skills

Excellent communication skills acquired through experience as a speaker at conferences, lecturer at training courses and at popular and scientific seminars. The ability to integrate classical training, scientific skills and technical and procedural skills acquired as head of CREA services on behalf of third parties, head of safety lab procedures, head of special waste management, head of procedures for the purchase of goods and supplies of various kinds (instruments, reagents and laboratory equipments) enable me to communicate easily with the various levels of the command and organisational chain of the Centre and the Institution

Digital skills

SELF ASSESSMENT				
Processing informations	Communication	Contents creation	Security	Problem solving
Intermediate user	Intermediate user	Intermediate user	Basic user	Basic user

Levels: Basic user - Intermediate user - Advanced user

- office suite tools (word processor, spreadsheet, presentation software) - Good command
- specific software for proteomic data analysis: Proteome discoverer, Mascot, Progenesis sameSpot, Mapman, String, - Good command

FURTHER INFORMATIONS

Scientific papers

International journals

1. Black Soldier Fly Larvae Grown on Hemp Fiber: Nutritional Composition and Production of Potential Bioactive Peptides. Leni, G.; Del Vecchio, L.; Dellapina, C.; Molitermi, V.M.C.; Caligiani, A.; Cirlini, M. *Macromol* **2024**, *4*, 135-149. <https://doi.org/10.3390/macromol4010007>
2. Innovative approaches to evaluate sugar beet response to changes in sulfate availability. (Piergiorgio Stevanato, Chiara Broccanello, Vita M. C. Molitermi, Giuseppe Mandolino, Valeria Barone, Luigi Lucini, Giovanni Bertoldo, Marco Bertaggia, Massimo Cagnin, Diego Pizzeghello, Andrea Baglieri, Andrea Squartini, Giuseppe Concheri and Serenella Nardi) *Front. Plant Sci.*, 31 January 2018 | <https://doi.org/10.3389/fpls.2018.00014>
3. Root morphological and molecular responses induced by microalgae extracts in sugar beet (*Beta vulgaris* L.). Barone, V., Baglieri, A., Stevanato, P. Broccanello C. Bertoldo G. Bertaggia M. Cagnin M. Pizzeghello D. Molitermi VMC. Mandolino G. Fornasier F. Squartini A. Nardi S. Concheri G. *J Appl Phycol* **30**, 1061–1071 (2018). <https://doi.org/10.1007/s10811-017-1283-3>
4. Rootstock-scion interaction affecting citrus response to CTV infection: a proteomic view (Laino, P., Russo, M. P., Guardo, M., Reforgiato-Recupero, G., Valè, G., Cattivelli, L. and Molitermi, V. M.C. (2016), *Physiol Plantarum*, 156: 444-467. <https://doi.org/10.1111/ppl.12395>
5. Early transcriptional changes in *Beta vulgaris* in response to low temperature (Molitermi, V.M.C., Paris, R., Onofri, C. et al. (2015) *Planta* **242**: 187-201 <https://doi.org/10.1007/s00425-015-2299-z>
6. The sexual differentiation of *Cannabis sativa* L.: a morphological and molecular study (V. M. Cristiana Molitermi, Luigi Cattivelli, Paolo Ranalli and Giuseppe Mandolino). *Euphytica* Vol. 140, n. 1-2: 95-106, 2004 <https://doi.org/10.1007/s10681-004-4758-7>
7. The inheritance of chemical phenotype in *Cannabis sativa* L. (de Meijer E.P.M., M. Bagatta, A. Carboni, P. Crucitti, V.M.C. Molitermi, P. Ranalli and G. Mandolino) *Genetics* Vol. 163: 335-346, 2003. <https://doi.org/10.1093/genetics/163.1.335>
8. Redox regulation and storage processes during maturation in kernels of *Triticum durum* (Laura De Gara, Maria C. de Pinto, Vita M. C. Molitermi and Maria G. DEgidio) *Journal of Experimental Botany* vol. 54, n. 381: 249-258, January 2003. <https://doi.org/10.1093/jxb/erg021>
9. Occurrence and frequency of putatively Y chromosome linked DNA markers in *Cannabis sativa* L. (Giuseppe Mandolino, Andrea Carboni, Manuela Bagatta, V.M. Cristiana Molitermi & Paolo Ranalli) *Euphytica* **126**: 211-218, 2002. <https://doi.org/10.1023/A:1016382128401>
10. Comparison of hemp varieties using RAPD markers. (Forapani S., Carboni A., Paoletti C., Molitermi V.M.C., Ranalli P., and Mandolino G.). *Crop Science* vol. 41: 1682-1689, 2001. <https://doi.org/10.2135/cropsci2001.1682>

Chapters in books

1. Industrial hemp by-products and valorization. Vita Maria Cristiana Molitermi, Milica Pojić, in *INDUSTRIAL HEMP: FOOD AND NUTRACEUTICAL APPLICATIONS*. Editors: Milica Pojić, Brijesh Tiwari, Publisher: Elsevier 1st Edition - June 16, 2022 eBook ISBN: 9780323909112. Paperback ISBN: 9780323909105
2. Melanzana. Rotino, G.L.; Acciarri N.; Losavio, N.; Lo Scalzo, R.; Mennella, G.; Perrone, D.; Valè, G.; Molitermi, V.M.C.; Montemurro, F.; Mastrangelo M. 55 ISBN 978-88-97081-00-5

Italian journals

1. Study of water and low temperature stress in sugar beet: description and comparison of different methods of analysis. (Giuseppe Mandolino, Manuela Bagatta, Paolo Bagnaresi, Laura Arru, P. Perata, Daniela Pacifico, Vita M.C.Moliterni) Agroindustria Vol.5, No. 3: 117-127,2006. ISSN1724-9015
2. Biotechnologies in the fibre and cellulose chain: hemp (V.M.Cristiana Moliterni, P. Ranalli). Agroindustria Vol. 3, No. 2: 141-150, 2004. ISSN1724-9015
3. Identification of sex-associated molecular markers and their application to the breeding and study of sexual differentiation of Cannabis sativa L. (V.M.Cristiana Moliterni, Giuseppe Mandolino, Luigi Cattivelli, Paolo Ranalli) Agroindustria Vol.1, n.1: 8-13, 2002. ISSN1724-9015
4. Three-year evaluation of THC content in fibre hemp. Grassi G.;Diozzi M.;Doimo M.;Banchieri T.;Fiorilli M.;Moliterni V. Agroindustria, vol 1, no.1 : 37-43 2002. ISSN1724-9015

Oral communications

National contest

1. Speaker at the event entitled "There is no Agriculture without genetics" aimed at Young Farmers of AGIA-CIA: with a talk entitled: «Innovations in the industrial hemp supply chain» at CREA-GB 12/19/2022
2. Speaker at the conference NETWORKING OF THE OPERATIONAL GROUPS OF THE PEI AGRI HEMP PLANTS Tuesday 9 November 2021 - 3.00 p.m. ZOOM platform with a presentation entitled 'CATERPILLAR - **CA**napa **TE**ssile **peR** la **Pro**duzione di **a**Limenti funziona**Li** e di biom**Asse** **p**Roteiche per l'alimentazione animale
3. Speaker at the conference 'Hemp in Sicily, state of the art and perspectives' with a presentation entitled: 'Valorisation of co-products, by-products and waste and cultivation profitability of hemp'. CREA-ACM Acireale (CT), 17-18 July 2019
4. Oral communication at the XLV Italian Society of Agricultural Genetics - SIGA Annual Congress Salsomaggiore Terme, Italy - 26/29 September, 2001- SESSION III: GENETIC CONTROL OF REPRODUCTION- SEARCH FOR THE GENES INVOLVED IN SEXUAL DIFFERENTIATION OF CANNABIS SATIVA L. (MOLITERNI V.M.C.*, CATTIVELLI L.***, MANDOLINO G.*, RANALLI P.*)

International contest

1. Speaker at BBioNets and CAP Network Ireland event: How to boost Irish bio-based EIP-AGRI Operational Groups - Bioeconomy Ireland Week 2025 Location: Teagasc, Johnstown Castle, Co. Wexford.14/10/2025 " Story of SCARABEO, from bio-based local EIPAGRI OG to international projects. Recommendations for the creation of bio-based EIPAGRI OGs"
2. Speaker at Natural Fiber Extraction Congress, Stuttgart, 09/10/2024/ "Towards the industrial development of the water retting technology: the WR4.0 project"
3. Speaker at EHIA 21th annual conference, Prague, June 5-7 2024: "Whole crop valorization and process innovation for a circular and sustainable hemp-based bioeconomy"
4. Speaker at Natural Fiber Extraction Congress,Stuttgart, 26/10/2022 "Water retting process innovation for a circular and sustainable hemp-based bioeconomy"
5. Speaker at CANAPA FORUM BUSINESS EXCHANGE PROGRAMME: 10/9/22: Networking and innovation. EU, national and local projects on hemp: The CATERPILLAR project
6. Speaker at EHIA 18th annual conference: Hemp for Europe. Emerging opportunity for the green recovery. "Whole crop valorization and process innovation for a circular and sustainable hemp-based bioeconomy" Zoom platform 16/06/2021

Awards and prizes

Other scientific activities

- Award for the best oral communication at the XLV Annual Conference of the Italian Society of Agricultural Genetics (SIGA) (Salsomaggiore terme 26-29 September 2001) with: 'Search for genes involved in the sexual differentiation of Cannabis sativa L.'.
- Member of the Scientific Committee of EIHA (European Industrial Hemp Association), based in Brussels. Prot. 0071819 of 27/7/2021

**Personal data processing
authorisation**

I authorise the processing of my personal data pursuant to Legislative Decree no. 196 of 30 June 2003 'Personal Data Protection Code'.

Fiorenzuola d'Arda, 24/06/2026

Signature
