

**CURRICULUM VITAE
EUROPEAN FORMAT**



PERSONAL INFORMATION

Name
Home Address
Business Address
Telephone
Fax
E-mail

Nationality
Place and Date of birth

PINI ROBERTO

Italian

WORK EXPERIENCE

Dates (from – to)
Name and address of employer

Type of business or sector
Occupation or position held

Nov 2012 – today

CNR - Research Institute on Terrestrial Ecosystems (IRET), formerly Institute of Ecosystem Research (ISE)

Public research

Person in charge of IRET - Unit of Pisa (16 permanent staff, 5 temporary staff)

- Dates (from – to)
- Name and address of employer
- Type of business or sector
- Occupation or position held

1986 – today

CNR

Public research

researcher

- Main activities and responsibilities

2010-present PI of the CNR research group "Soil ecosystem".

2016-2019 PI of the CNR research group "Granulometric characterization of sediments from areas of Po delta and lagoons", Flagship Project RITMARE.

2014-2017 Scientific coordinator of the Project "Health impact evaluation in Val d'Agri municipalities – sector soil chemistry and physics".

2012-2015 PI of the CNR research group "Sedimentological characterization of coastal sediments", Flagship Project RITMARE.

2007-2010 PI of the CNR research groups (Moduli di ricerca) "Carbon sequestration in soil" and "Strategies for reduction of human impact on soil ecosystems".

2005-2009 PI of the CNR curiosity driven research (RSTL) "Biodiversity and soil structure".

2001-2003 Member of the research unit "Development of a LIBS system suitable for extraterrestrial mineral analysis", contract ASI (Italian Space Agency)/ENEA n. 1/R/065/01.

1999-2001 Project leader of the project "SPIN: spectroscopy in situ", funded by Tuscany Regional Government.

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| | <p>1998-2002 Project leader of the project "Soil structure modification after olive oil waste disposal" in the framework of the Italian National Research Programme "Agricultural and industrial wastes".</p> <p>1997-2002 Project leader of the Joint Research Project CNR (Italy) -CSIC (Spain) "Natural and anthropic modifications of surface in easy degradable soils".</p> <p>1997-2002 Project leader of the research unit "Microorganisms accumulation on clays" (Cost520).</p> <p>1997-1998 Project leader of the Joint Research Project CNR (Italy) -CSIC (Spain) "Aggregation processes in soil: interactions between biotic and abiotic components".</p> <p>1993-1996 Project leader of the Joint Research Project CNR (Italy) -CSIC (Spain) "Determination of hydrological properties of soils by means of structural and porosity parameters".</p> <p>1993-1996 Project leader of a research unit in the framework of the contract CEE AIR1-CT92-0142 "European development of walnut trees for wood and fruit production as an alternative and extensive system to agricultural crops".</p> <p>1992-1994 Project leader of the Joint Research Project CNR (Italy) -CSIC (Spain) "Soil structural degradation effects on desertification processes".</p> <p>1991-1996 Project leader of the Joint Research Project CNR (Italy) -ASRT (Egypt) "Agronomic utilization of compost, hydrogels and soil conditioners".</p> <p>1986-1988 Member of the research unit "Tillage and management of soil physical conditions" in collaboration with the International Rice Research Institute of Manila, Philippines.</p> <p>1989 - today Referee for international journals</p> |
| PUBLICATIONS | <p>Number of publications: 135</p> <p>35 papers listed in ISI Web of Science, 32 in other peer reviewed journals and proceedings series, 9 technical reports, 2 papers of scientific divulgation</p> <p>53 conference abstracts</p> <p>Total number of citations: 1199</p> <p>H index: 15</p> |
| INSTITUTIONAL ROLES | <p>2008 – 2013: Member of the Board of National Park "Foreste Casentinesi", as representative of research institutions, designated by the CNR President.</p> <p>1999 – 2004: Councillor responsible for Education in the Municipality of Livorno (160,000 inhabitants)</p> |
| EDUCATION AND TRAINING | |
| <ul style="list-style-type: none"> • Dates (from – to) • Name and type of organisation providing education and training • Title of qualification awarded | <p>1981</p> <p>University of Pisa, Italy</p> <p>Degree in Agricultural Science</p> |

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

ENGLISH

EXCELLENT
GOOD
GOOD

SPANISH

GOOD
BASIC
BASIC

RESEARCH ACTIVITIES

Field of Research

Soils and sediments, Soil physics, soil degradation, soil organic carbon, waste recycling, urban soils.

Publications in the last 5 years

ZONTA R., CASSIN D., PINI R., DOMINIK J.

Substantial decrease in contaminant concentrations in the sediments of the Venice (Italy) Canal network in the last two decades—Implications for sediment management.

Water 2020, 12, 1965, doi: 10.3390/w12071965. **2020**

PEZZAROSSA B., BORGHESI E., PINI R., BRETZEL F., MAGGINI R., MALORGIO F.

Influence of pedo-climatic conditions on the quality of *Iris pallida* rhizomes. European Journal of Horticultural Science 85 (2), 100-109. **2020**

BELLANI L., SIRACUSA G., GIORGETTI L., DI GREGORIO S., RUFFINI CASTIGLIONE M., SPANO' C., MUCCIFORA S., BOTTEGA S., PINI R., TASSI E.

TiO₂ nanoparticles in a biosolid-amended soil and their implication in soil nutrients, microorganisms and *Pisum sativum* nutrition.

Ecotoxicology and Environmental Safety 190, 110095. **2020**

BRETZEL F., VANNUCCHI F., PINI R., SCATENA M., MARRADI A., CINELLI F.

Use of coarse substrate to increase the rate of water infiltration and the bearing capacity in tree plantings.

Ecological Engineering, 148, 105798. **2020**

ZONTA R., CASSIN D., PINI R., DOMINIK J.

Assessment of heavy metal and As contamination in the surface sediments of Po delta lagoons (Italy).

Estuarine, Coastal and Shelf Science, DOI 10.1016/j.ecss.2019.05.017. **2019**.

BRETZEL F., CAUDAI C., TASSI E., ROSELLINI I., SCATENA M., PINI R.

Culture and horticulture: Protecting soil quality in urban gardening.

Science of The Total Environment 644, 45-51. **2018**

VANNUCCHI F., PINI R., SCATENA M., BENELLI G., CANALE A., BRETZEL F.

Deinking sludge in the substrate reduces the fertility and enhances the plant species richness of extensive green roofs.

Ecological Engineering 116, 87-96. **2018**

ZONTA R., BOTTER M., CASSIN D., BELLUCCI L.G., PINI R., DOMINIK J.

Sediment texture and metal contamination in the Venice Lagoon (Italy): A snapshot before the installation of the MOSE system.

Estuarine, Coastal and Shelf Science, DOI 10.1016/j.ecss.2018.03.007. **2018**

**TRATTAMENTO DEI DATI
PERSONALI, INFORMATIVA E
CONSENSO**

D'ACQUI L.P., BONETTI A., PINI R., CERTINI G.
Physical protection of organic matter in minesoils assessed by low-temperature
ashing (LTA).
Geoderma 288, 120-129, **2017**.

VANNUCCHI, F., PINI, R., SCATENA, M., BRETZEL, F.
Influence of green roof substrate composition on the establishment of native
herbaceous species in a dry climate.
Acta Horticulturae, 1189, pp. 203-208, **2017**

DE LA OSSA J.G., TROMBI L., D'ALESSANDRO D., SERINO L.P., COLTELLI
M.B., PINI R., LAZZERI A., PETRINI M., DANTI S.
Pore size distribution and blend composition affect in vitro pre-vascularized
bone matrix formation on poly(vinyl alcohol)/gelatin sponges.
Macromolecular Materials and Engineering, DOI: 10.1002/mame.201700300,
2017.

BRETZEL F., CALDERISI M., SCATENA M., PINI R.
Soil quality is key for planning and managing urban allotments intended for the
sustainable production of home-consumption vegetables.
Environmental Science and Pollution Research, DOI 10.1007/s11356-016-
6819-6, **2016**.

VANNUCCHI F., MALORGIO F., PEZZAROSSA B., PINI R., BRETZEL F.
Effects of compost and mowing on the productivity and density of a purpose-
sown mixture of native herbaceous species to revegetate degraded soil in
anthropized areas.
Ecological Engineering, 74, 60-67, **2015**.

The Undersigned hereby authorizes the CNR to utilize and store the personal
sensitive data contained in the attached Curriculum Vitae for the purposes of
bilateral Joint research projects and within the framework of the Data
protection Act No. 196, dates 30 June 2003 as promulgated by the Italian
Government.

☒ Si, acconsento