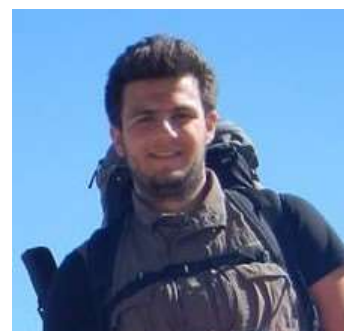
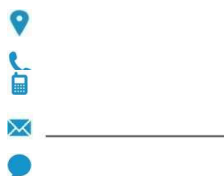




PERSONAL INFORMATION Francesco Bigaran



JOB APPLIED FOR

“Progetto di valorizzazione del suolo, degli ambienti di torbiera e zone umide della Val Canali e Prà delle Nasse (San Martino di Castrozza): richiesta di preventivo per servizi e collaborazioni in ambito pedologico per il Parco Naturale Paneveggio Pale di San Martino.”

WORK EXPERIENCE

2019-2020

Research assistant

Sapienza University of Rome
Piazzale Aldo Moro
Rome (Italy)

2019-present

Deputy coordinator for “subgroup 3” of the SISS working group of QBS-ar

S.I.S.S. - Società Italiana della Scienza del Suolo
Centro di ricerca per l'agrobiologia e la pedologia
Piazza Massimo D'Azeglio, 30
50121 Firenze (Italy)

2018- 2020

Field technician for P.I.C.A project

C.A.V.I.T
Via del Ponte 31 e 33
38123 Trento (TN, Italy)

With this project i analyze all the data concerning the vine yard soil of Trento's province to realize a complete data book of this type of soil and describe the relationship between the soil and the grape production (quality of grape, grape plant health). The aim of this project is increase the sustainability of grape production in Trento's region.

2017-present

External consultant

Federazione Trentina Agricoltura Biologica e Biodinamica
For this Federation, I am actually working as external consultant in the Board of Management for organization and realization of its objects and activities , such as seminaries, circle table, informative course, promotion of trentino's organic product and realization of special project (bank of land, circles agricultures to development a new production chain with solid interaction from maker, transformer and consumer)

May 2017–
December 2017**Field technician**

C.A.V.I.T
Via del Ponte 31 e 33
38123 Trento (Italy)

In this period, I worked as data collector to create a soilmap in Val Lagarina area (25km² scale 1:10000) for the P.I.C.A. (piattaforma integrata cartografica agri-vitivinicola) project.

- 200 Description drills for the identification of soil types
- 33 Soil profile descriptions for Soil Typological Unit (STU) characterization
- Elaboration of field data with GIS support and creation of the related soilmap

June 2016–
September 2016

Campusworld Project

Food and Environmental Sciences Department, Texas Tech University, Department of Plant and Soil Science

In this period of study, I could confront myself with the American Soil Science School, and widen my horizons and experiences. Particularly, with proximal sensing analysis tools (Portable X-Ray Fluorescence, PXRF, and Near Infrared, VisNEAR) applied on Soil Science. I implemented the setools to the study of possible differences among Pattern-Ground Soils sampled in four different locations throughout the Boreal hemisphere (Alaska, Iceland, Svalbard Islands, and Italy).

Accomplishments:

- using proximal sensing tools (VisNEAR and PXRF) in different types of soil
- field work (profile description)
- laboratory work (laboratory analyses of soil texture and skeleton for the Regional Soil Jagging Contest in Riudoso-New Mexico, USA)

June 2012–
September 2015

Field assistance

Soil Science Department, Marche Polytechnic University Ancona, Italy

I applied notions and skills learned during theoretical years to the real world. Following my teacher's activities, I acquired experience in Soil Science, and trained on the field on different soil types.

Accomplishments:

- Marine soils sampling at "Torre del Cerrano" Protected Marine Area (Abruzzi, Italy).
- Laboratory work for the characterization of the "Torre del Cerrano" dune soils.
- Pedological field trip with prof. Corti on Monte Amaro - Majella Massif (Abruzzi, Italy)
- Soils sampling on "Torre del Cerrano" dunes, Adriatic coast, Northern Pescara area (Italy),
- Field work, sampling, instrumentation for soil temperature analysis, on *Fagus sylvatica* in two different sites in Central Apennines, Italy (Monte Acuto and Monte Zuccarello),
- Pedological field work dealing with ancient areas devoted to the production of charcoal in *Fagus sylvatica* cropping forest of Monte Acuto, Central Apennines, Italy,
- Organization work for the 2013 World Soil Day, Ancona, Italy, 12/05/2013.
- Field and laboratory work for primary soil analysis in pastures from Putido, Fabriano (Italy),
- Pedological field trip with prof. Corti on Monte Amaro - Majella Massif, Italy,
- Attending the international course held by prof. G Gobran: "Rizosphere: a soil-plant relationship"
- Attended the 2012 World Soil Day, Bolzano, April 12, 2012-May 12, 2012.
- Pedological field trip with prof. Corti on Monte Amaro - Majella Massif, Italy,

November 2012–
July 2015

Volunteer

Gulliver cultural association, Via Saffi 22 Ancona

For this association I help to organize event, seminary, course and I was the student delegate in the study course council.

April 2014–
July 2015

Tutor

Food and Environmental Department, Marche Polytechnic University, Ancona, Italy

Tutors merge students with University, providing support on bureaucracy, study methods and relationships with teachers. In this working period, I also performed the following

Accomplishments:

- Botanical laboratory assistant of Prof. Simona Casavecchia, exercitation lessons

June 2010–
June 2011

Internship

Germplasm Bank, Marche Polytechnic University, Ancona, Italy

This work was my first connection between the University and the research world. In this internship, I learned basic work skills in research. In this particular kind of experience, I could follow in-situ and ex-situ species conservation in a National Research Institution

Accomplishments:

- Conservation in-situ of *Cladium mariscus* (Plants: Cyperaceae) in Monte Conero Regional Park (Marche, Italy).
- Reintroduction of *Anthyllis barba-jovis* (Plants: Fabaceae) in Monte Conero Regional Park (Marche, Italy).

SPEAKER EXPERIENCE

-
- 18 June 2020 speaker in the course "L'IMPORTANZA DEL PEST CONTROL IN UN'AZIENDA AGROALIMENTARE" master in applied nutrition, Campus Biomedico University- Roma
- 6/8 November 2018 speaker in the course "Il Mondo Delle Mele" Locanda Due Camini- Baselga di Pinè (Tn)

OTHER EXPERIENCE

-
- 5 December 2019 Organization of the public seminary "LA BIODIVERSITÀ DELLA MESOFAUNA PER LA QUALITÀ BIOLOGICA DEI SUOLI" Sapienza University of Rome GSP and FAO World Soil Day
- 6 October 2019 Organization of the public event "NATURALMENTE BIO 7° edizione- LA FESTA DEL BIOLOGICO TRENINO" farm of Fondazione Mach "Navesel" Rovereto (Tn)
- 7 October 2018 Organization of the public event "NATURALMENTE BIO 6°edizione- LA FESTA DEL BIOLOGICO TRENINO" farm of Fondazione Mach "Navesel" Rovereto (Tn)
- 5 December 2016 Organization of the world soil day celebration: "SOIL: A WORLD TO DISCOVER" Marche Polytechnic University - Ancona,

EDUCATION AND TRAINING

Jan. 15, 2016	Professional Qualification as Agronomist
July/August 2015	NRM 489/689 Alaska Soil Geography Field Study Class (USA)
2012–2015	Master Degree in Agricultural and Environmental Sciences Marche Polytechnic University, Ancona, Italy Title of the thesis: <i>“Temporal analysis of soil temperature to define the soil temperature regime and its influence on CO₂ evolution in periglacial environment. Majella Massif”.</i> Major subjects of study: <ul style="list-style-type: none">• Soil Defense and Conservation,• Landscape Ecology,• Geobotany,• Plant Nursery and Biotechnology
March 2015	Specialization course in estimation of adverse weather damage State Agrarian Institute, G Garibaldi, Cesena, Italy
2008–2012	Bachelor Degree in Agricultural Sciences and Technologies Marche Polytechnic University, Ancona, Italy Title of the thesis: <i>“Environmental improvement and ethnobotany valorization finalized to touristic and naturalistic management of an Alpine mountain area (Northern Side of Roen Mountain – Trento Province Italy)”.</i> Major subjects of study: <ul style="list-style-type: none">• Chemistry,• Soil Chemistry,• Biochemistry,• Botany (General, Systematic and Vegetation),• Agronomy,• Annual Crop and Tree Production,• Genetics.
2008	Diploma Agro-industrial Consultant State Agrarian Institute, G Garibaldi, Cesena, Italy

PERSONAL SKILLS

Mother tongue(s): Italian

Other language(s) English Spanish

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	B2	B2
A2	A2	A2	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user [Common European Framework of Reference for Languages](#)

Communication skills	<ul style="list-style-type: none"> - teamwork: I have worked in various types of teams: Research teams, Sport teams and University association teams - mediating skills: I helped creating a strong bond and a group relationship in all working groups - intercultural skills: I personally experienced, travelling in Europe, and during my experience around the world, how to work with a lot of people coming from different countries and cultural heritage. -
Organizational / managerial skills	<ul style="list-style-type: none"> - While working for Federazione Trentina Agricoltura Biologica e Biodinamica, I helped to organize congresses, workshops, seminars, roundtables and other dissemination and information events - During my period in the Gulliver Association, I helped to organize several seminars and technical events
Computer skills	<ul style="list-style-type: none"> - competent with most Microsoft Office suite - experience with qGIS - experience with Past 3.1 - basic skills with auto CAD - basic skills with Adobe Photoshop
Other skills	<ul style="list-style-type: none"> - I am a good lab and field technician, have experience with advanced instruments such as PXRF, VisNEAR and ICP - I like photography and I am a no pro photographer. - Enjoy sports, particularly skiing, horse riding and mountain hiking. - I love to travel and to come into contact with different cultures
Driving license	B

ADDITIONAL INFORMATION

International Publication

*"Phenotypic plasticity of *Platanus acerifolia* (Platanaceae): morphological and anatomical trait variations in response to different pollution levels in Rome"* (Loretta Gratani¹; Olena Vasheka²; Francesco Bigaran¹)¹ Department of environment biology, La Sapienza university of Rome. Italy, ² Department of Plant Biology, Educational and Scientific Centre, "Institute of Biology and Medicine" Taras Shevchenko National University of Kyiv, Ukraine. *Modern Phytomorphology*- 2020

"Latitudinal transect relationship between soil organic horizons and permafrost depth in Alaska" (Stefania Cocco^a Valeria Cardelli^a Francesco Bigaran^a Luisa Massaccesi^b Alberto Agnelli^b David C. Weindorf^c Chien-Lu Ping^d Gary J. Michaelson^d Giuseppe Corti^a) ^aDepartment of Agricultural, Food and Environmental Sciences, Università Politecnica delle Marche, Ancona, Italy ^b Department of Agricultural, Food and Environmental Sciences, Università degli Studi di Perugia, Perugia, Italy ^c Department of Plant and Soil Sciences, Texas Tech University, Lubbock, TX, USA ^d Agriculture and Forestry Experiment Station, University of Alaska Fairbanks, Palmer Research Center, Palmer, AK, USA, and USDA-Natural Resources and Conservation Service, Palmer, AK, USA. *Applied Soil Ecology*, Available online 22 November 2017

Posters

"PLANT ECOLOGY LABORATORY – PROF. LORETTA GRATANI" (F. Bigaran, L. Varone, Maria Fiore Crescente, Maria Pepe L. Gratani) Department of environmentbiology, La Sapienza university of Rome
Share science - La Sapienza university of Rome- October 2019

"METAL ACCUMULATION CAPABILITY BY *PLATANUSACERIFOLIA* (AITON) WILLD. IN THE CITY OF ROME AND ITS RELATION WITH THE SOIL" (F. Bigaran*, D. C. Weindorf*, L. Varone*, L. Gratani*) * Department of environment biology, La Sapienza university of Rome, *Department of Plant and Soil Sciences, Texas Tech University, Lubbock, TX, USA.
First Joint Meeting on Soil and Plant System Sciences - Bari, Italy • 23-26 September 2019

L'ITALIA CHE NON TI ASPETTI: VIAGGIO NELL'ARTICO IN MEZZO AL MEDITERRANEO
(Bigaran F., Mantoni C. - UnivAQ, Falco S., Jacomini C. - ISPRA/SNPA - CN_Lab-BIO)42nd ItalianSoilSciences Society (SISS) Congress, 5-7 December, 2017 - Firenze.

TEMPORAL ANALYSIS OF SOIL TEMPERATURE TO DEFINING THE SOIL TEMPERATURE REGIME AND ITS INFLUENCE ON CO₂ EVOLUTION IN PERIGLACIAL ENVIRONMENT. MAJELLA MASSIF"(Francesco Bigaran*, Stefania Cocco*, Valeria Cardelli*, Alberto Agnelli**, Giuseppe Corti*)* Dipartimento di Scienze Agrarie, Alimentari ed Ambientali (D3A) Università Politecnica delle Marche;** Dipartimento di Scienze Agrarie, Alimentari ed Ambientali Università di Perugia
41st Italian Soil Sciences Society (SISS) Congress, 5-7 December, 2016 - Ancona.

"I SUOLI DUNALI, RETRODUNALI E SUBACQUEI DELL'AREA MARINA PROTETTA DITORRE DEL CERRANO" [Dune and SubaqueousSoils of the Marine Protected Area of Torre del Cerrano]
(Giuseppe Corti, Stefania Cocco, Valeria Cardelli, RogerioBorgueteAlves Rafael, Francesco Bigaran, Emiliano Stazio, Marta Matalucci) Dipartimento di Scienze Agrarie, Alimentari ed Ambientali (D3A) Università Politecnica delle Marche;
Workshop "Plant-Soil-Water interfaces in riverine hydromorphic-subaqueous ecosystems", Imola (Italy), May 2015

International Congress

"A NEW INTEGRATE LAND DEGRADATION ASSESSMENT APPROACH CONSIDERING SOIL BIODIVERSITY, HUMUS FORMS AND VEGETATION" Carmine Siniscalco¹, Francesco Bigaran², Loretta Gratani², Carlo Jacomini³, Giacomo Sartori⁴
¹Centro Studi per la Biodiversità del GMEM-AMB – Nepi (VT), Italy; ²Sapienza University of Rome, Dept. of EnvironmentalSciences, Rome (RM), Italy; ³ISPRA/SNPA, CN_LAB/BIO, Rome (RM), Italy, ⁴Private consultant, Trento (TN), Italy
Global Symposium of Soil Biodiversity 1-3 June 2020 at FAO Headquarters in Rome, Italy

"ASSESSING DESERTIFICATION THROUGH SOIL BIOLOGICAL MONITORING"
C. Jacomini, M. Di Leginio, F. Bigaran, C. Mantoni, A. Luise
International Soil Congress 2019 - 17-19 June 2019 Ankara, Turkey

"ASSESSING DESERTIFICATION THROUGH SOIL BIOLOGICAL MONITORING"
C. Jacomini, M. Di Leginio, F. Bigaran, C. Mantoni, A. Luise
International Soil Congress 2019 - 17-19 June 2019 Ankara, Turkey

Awards

Best poster on Relict Peatlands and Bogs on Continental Italy, for the II SESSION: Climate change mitigation: from carbon sequestration to the reduction of greenhouse gas emissions: L'ITALIA CHE NON TI ASPETTI: VIAGGIO NELL'ARTICO IN MEZZO AL MEDITERRANEO(Bigaran F., Mantoni C. - UnivAQ, Falco S., Jacomini C. - ISPRA/SNPA - CN_Lab-BIO)42nd Italian Soil Sciences Society (SISS) Congress, 5-7 December, 2017 - Firenze.

Date

Signature

The information provided in this Curriculum is available to be shared according to the present legislation on privacy protection (Regulation 2016/679 and relative updates)

The undersigned Francesco Bigaran, aware that false declarations lead to the application of the criminal sanctions provided for by art. 76 of the D.P.R. 445/2000, declares that the information contained in the following curriculum vitae, drawn up in European format, corresponds to the truth.
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