

### Curriculum Vitae

Prénom Nom : Alessandra BENATTI

Statut : DOCTORANTE

Equipe : Paléoenvironnement et Géoarchéologie

Contacts : alessandra.benatti@etu.unilim.fr

Tél. : 07 85 70 85 96 – fax : 05 55 43 56 03



PhD student with joint supervision at the University of Limoges (main University) and at the University of Modena and Reggio Emilia

#### **Sujet de thèse :**

**Titre de la thèse:** Reconstruction du paysage naturel et culturel le long d'un transect plaine – montagne dans la Province de Modène (Emilie Romagne, Italie) durant l'Holocène : approche multidisciplinaire

**Thesis title:** Reconstruction of the natural and cultural Holocene landscape along a plain-mountain transect in the province of Modena (Emilia Romagna, Italy) through a multidisciplinary approach

**Thesis tutors:** Philippe Allée (GEOLAB Laboratory, Department of Geography - University of Limoges) and Anna Maria Mercuri (Laboratory of Palynology and Palaeobotany, Department of Life Sciences - University of Modena and Reggio Emilia).

**Thesis cotutors:** Marie-Claude Bal (GEOLAB Laboratory, Department of Geography - University of Limoges) and Giovanna Bosi (Laboratory of Palynology and Palaeobotany, Department of Life Sciences - University of Modena and Reggio Emilia).

**Thesis abstract:** This multidisciplinary project started from a collaboration between the Laboratory of Palynology and Palaeobotany of Modena and Reggio Emilia and the University of Limoges occurred thanks to the project AOI – AGRESPE « RéseAU Gestion de Ressources Environnementales passéeS et Patrimonialisation paysagère ». This research aims to analyze and understand the man-environment interactions, occurred during the Holocene, that formed the current natural and cultural landscape, a heritage to understand, safeguard and appraise. The research focuses the province of Modena and in particular the less studied mountain system, compared to the plain presenting many historical, archaeological and palaeoecological data. Agropastoral societies of the past have shaped these territories by the use, exploitation and management of the natural resources such as wood, charcoal, grazing lands,... The reconstruction of the relationship between man and environment is based on a multidisciplinary approach that combines the competences of geographers, archaeobotanists, paleoenvironmentalists, archaeologists and historians forming the research partnership. In a second time we will try to identify the possible plain-mountain connections following an ideal transect connection between the two realities. During the research I will do the followings activities: 1- Archaeological prospecting in the high mountains with the aim to discover and geolocalize pastoral structures (fences, huts,...) and charcoal kilns. 2- Pedaanthracology: charcoal analysis from high

altitude meadows soils. 3- Archaeoanthracology: charcoal analysis from charcoal kilns and archaeological sites.

#### Axes / thématiques de recherche :

Vegetation history, pedoanthracology and archaeo-anthracology, geoarchaeology, mountain landscape heritage, relationship between landscape and agropastoral society development.

#### Terrains de recherche :

Italie, Province de Modène

#### Projets et Programmes de recherche :

- Projet AOI – AGRESPE « RéseAU Gestion de Ressources Environnementales passéeS et Patrimonialisation paysagèrE » (dir. M. Bal, Ph. Allée)
- Projet PICAR : Paysage culturel et Impact anthropique en pays Circum-méditerranéens: recherche multidisciplinaire avec analyses de restes Archéobotaniques pour la Reconstruction environnementale, phytogéographique, climatique et virtuelle (dir. A.M. Mercuri)

#### Organisations et participation à des manifestations scientifiques :

##### Participations:

- 2014 ROMA (Italy) - "*3<sup>rd</sup> international Conference on Landscape Archaeology (LAC2014)*", KNIR (Royal Dutch Institute);
- 2014 PADOVA (Italy) - "*9<sup>th</sup> EPPC European Palaeobotany and Palynology Conference*", Univ. of Padova;
- 2014 POVIGLIO (RE) (Italy) - "*Ambiente, terra e civiltà nella Pianura Padana dell'età del Bronzo*", Centro Kaleidos;
- 2014 LIMOGES (France) - "*Colloque Patrimoine: ressource de développement territorial*", Univ. of Limoges;
- 2013 MODENA (Italy) - "*2013 Palynology: the bridge between palaeoecology and ecology for the understanding of human-induced global changes in the Mediterranean area*", Univ. of Modena and Reggio Emilia.

#### Production scientifique :

##### Posters:

- Mercuri A.M., Bosi G., Bandini Mazzanti M., Torri P., Benatti A., Florenzano A., Montecchi M.C., Rattighieri E., Rinaldi R., 2014 - *Palaeoenvironment, land-use and palaeoethnobotany from archaeobotanical research in Italy*. In: *3<sup>rd</sup> International Landscape Archaeology Conference*, 17-20 September 2014, Roma, Italia, pp. 124-125.
- Rinaldi R., Bandini Mazzanti M., Benatti A., Osti G., Labate D., Bosi G., 2014 - *The “green” history of the city of Modena (Emilia Romagna, Northern Italy): archaeobotanical information from Roman to Medieval Ages*. In: *3<sup>rd</sup> International Landscape Archaeology Conference*, 17-20 September 2014, Roma, Italia, pp. 133-134.
- Bosi G., Rinaldi R., Torri P., Benatti A., Dal Fiume L., Bandini Mazzanti M., 2014 - Archaeobotany for reconstruction of gardens. *Atti 109° Congresso della Società Botanica Italiana*. 2-5 Settembre 2014, Firenze, Italia, p. 172.
- Bosi G., Mercuri A.M., Torri P., Bandini Mazzanti M., Benatti A., Florenzano A., Montecchi M.C., Rattighieri R., Rinaldi R., 2014 - The LPP Modena and Archaeobotany research in Italy over the last

twenty years. Atti 109° Congresso della Società Botanica Italiana. 2-5 Settembre 2014, Firenze, Italia, p. 104.

- Benatti A., Mercuri A.M., Allée P., Bosi G., Bal M.C., Labate D., 2014 - The charcoal sequence of a Roman site located in the town of Modena (Northern Italy). 9th EPPC European Palaeobotany and Palynology Conference, 26-31 August 2014, Padova, Italy.
- Bosi G., Bandini Mazzanti M., Torri P., Mercuri A.M., con Rinaldi R., Florenzano A., Rattighieri E., Olmi L., Montecchi M.C., Massamba N'Siala I., Benatti A., Buldrini F., Fanetti D., Maritan M., 2013 - *Plants and man: ethno and archaeobotany in Europe.* 108° Congresso Nazionale della Società Botanica Italiana, 18-20 settembre 2013, Trento, Italy.
- Bosi G., Benatti A., Rinaldi R., Bandini Mazzanti M., 2012 - *Dalla Collezione Archeocarpologica i ricordi della biodiversità del passato nell'area modenese: dati insoliti per il ripristino e la conservazione degli ambienti umidi.* XXII Congresso Associazione Nazionale Musei Scientifici "Il patrimonio culturale dei musei scientifici", 14-16 novembre 2012, Firenze, Italy.

**Papers:**

- Bosi G., Benatti A., Rinaldi R., Dallai D., Santini C., Carbognani M., Tomaselli M., Bandini Mazzanti M., 2015 - *The memory of water: Archaeobotanical evidence of wetland plants from Modena (Emilia-Romagna, northern Italy) and palaeoecological remarks.* Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology: Official Journal of the Società Botanica Italiana.
- Benatti A., Bosi G., Rinaldi R., Labate D., Benassi F., Santini C., Bandini Mazzanti M., 2012 - *Testimonianze archeocarpologiche dallo spazio verde del Palazzo Vescovile di Modena (XII sec. d.C.) e confronto con la flora modenese attuale.* Atti della Società dei Naturalisti e Matematici di Modena, n. volume 142 (2011), pp. 201-215.
- Rinaldi R., Bosi G., Benatti A., Bandini Mazzanti M., 2012 - *La coltura della reseda biondella: un primato nell'area di Mutina?* (a cura di M.S. Busana e P. Basso con la collaborazione di A. R. Tricomi - *La lana nella Cisalpina Romana: economia e società* - Padova University Press Padova (ITA)) - n. volume Antenor Q - pp. da 297 a 302.