

Curriculum vitae

“Ai fini della pubblicazione in ottemperanza all’art. 15 del D. Lgs. 33/2013”

Nome e cognome **Michela Botticelli**

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EDUCATION AND JOB

PERIOD/DATE	03/2017 – present
TYPE OF EDUCATION/NOME E TIPO DI ISTITUTO DI ISTRUZIONE E FORMAZIONE	Adjunct Professor at the University of Rome”Sapienza”
MAIN SKILLS/PRINCIPALI MATERIE/ABILITA’ PROFESSIONALI OGGETTO DELLO STUDIO	Academic Trimestral Course “English-Italian for Cultural Heritage” – 3 CFU
PERIOD/DATE	12/2016 – present
TYPE OF EDUCATION/NOME E TIPO DI ISTITUTO DI ISTRUZIONE E FORMAZIONE	Teacher at the “Babele” Institute
MAIN SKILLS/PRINCIPALI MATERIE/ABILITA’ PROFESSIONALI OGGETTO DELLO STUDIO	English (Training for the Trinity exams GESE 3 and 5), Maths, Physics, Science and IT for high school and middle school students (individual/group lessons)
PERIOD/DATE	03/2016 – 05/2016
TYPE OF EDUCATION/NOME E TIPO DI ISTITUTO DI ISTRUZIONE E FORMAZIONE	Apprentice cataloguer for the Cooperative GEO-MODEL by Mauro Scaggiante at the Mineralogical Museum of the University of Rome “Sapienza”
MAIN SKILLS/PRINCIPALI MATERIE/ABILITA’ PROFESSIONALI OGGETTO DELLO STUDIO	Cataloguing, Document treatment, Archive management and Collections setting up
PERIOD/DATE	11/2012 – 10/2016
TYPE OF EDUCATION/NOME E TIPO DI ISTITUTO DI ISTRUZIONE E FORMAZIONE	PhD in Earth Sciences, Curriculum B in “Science Applied for the Protection of the Environment and of Cultural Heritage”
MAIN SKILLS/PRINCIPALI MATERIE/ABILITA’ PROFESSIONALI OGGETTO DELLO STUDIO	Research project entitled “New archaeometric methodologies on red pigments”
PERIOD/DATE	11-12/10/2011
TYPE OF EDUCATION/NOME E TIPO DI ISTITUTO DI ISTRUZIONE E FORMAZIONE	PhD school “Raman Applications in Earth Sciences”, University of Siena, Italy
MAIN SKILLS/PRINCIPALI MATERIE/ABILITA’ PROFESSIONALI OGGETTO DELLO STUDIO	Raman spectroscopy, theory and applications in Geology, Mineralogy and Fine Arts
PERIOD/DATE	Certificate dated 12.11.2011
PERIOD/DATE	11/2008-2012
TYPE OF EDUCATION/NOME E TIPO DI ISTITUTO DI ISTRUZIONE E	Master in Science Applied to Cultural Heritage, University of Rome “Sapienza”

FORMAZIONE

PERIOD/DATE
TYPE OF EDUCATION/NOME E TIPO DI
ISTITUTO DI ISTRUZIONE E
FORMAZIONE

11/2004-02/2008

Bachelor in Science Applied to Cultural Heritage and to Diagnostics for
their Conservation, University of Rome "Sapienza"

LANGUAGES

	ENGLISH
READING	C1
WRITING	B2
SPEAKING	B1

	FRENCH
READING	B2
WRITING	A2
SPEAKING	A2

	PORTUGUESE
READING	A2
WRITING	A1
SPEAKING	A2

PROFESSIONAL SKILLS

- EXCELLENT KNOWLEDGE OF WINDOWS 8 (AND PREVIOUS VERSIONS), INTERNET, EMAIL, OFFICE SUITE (EUROPEAN CERTIFICATE ECDL CORE) AND ADOBE ACROBAT/
- BASIC KNOWLEDGE OF LINUX SYSTEM
- PHOTO (PHOTOSHOP CS5, ADOBE ILLUSTRATOR) AND VIDEO (ADOBE PREMIERE, MAYA), EDITORS
- CONTACT MANAGEMENT SYSTEMS (Joomla)
- DATA ANALYSIS SOFTWARE (KALEIDAGRAPH, ORIGIN PRO 8.5)
- INSTRUMENTS AND SOFTWARE FOR THE ANALYSIS OF PIGMENTS (OPTICAL MICROSCOPY, X-RAY DIFFRACTION ON POWDER AND CAPILLARY, IR AND RAMAN SPECTROSCOPY, ELECTRON MICROPROBE AND SCANNING ELECTRON MICROSCOPY, INDUCTIVELY COUPLED PLASMA-MASS SPECTROMETRY)

PRESENTATIONS

- TITLE *New insights on cinnabar provenance analysis: a combined methodology by XRD and ICP-MS*
- YEAR 16.10.2015
- AUTHORS M. Botticelli, A. Wichser, A. Maras, P. Ballirano, D. Bleiner
- CONFERENCE XI CIA – “Congresso Ibérico de Arqueometria”, University of Évora, Portugal
- TITLE *Archaeometric investigations on cinnabar/Indagini archeometriche sul cinabro*
- YEAR 24.02.2015
- AUTHORS A. Maras, M. Botticelli
- CONFERENCE Workshop CIABC “Prospettive per l'attività di ricerca nell'ambito dei Beni Culturali e della Sostenibilità Ambientale”, Chemistry Dept., University of Rome “Sapienza”
- TITLE *“Ouro sobre azul”: two cases studies of gildings in Évora city (Southern Portugal)*
- YEAR 25-27.05.2015
- AUTHORS M. Gil, A. Conde, M. Botticelli, D. Teixeira, L. Dias, A. Cardoso
- CONFERENCE GILT-EnArt2015, Gilding materials and techniques in the European Art, Hercules Laboratory, University of Évora, Portugal

POSTERS

- TITLE *“Archaeometric Investigations on cinnabar provenance and origin by X-ray powder diffraction”*
- YEAR 10-13.07.2013
- AUTHORS A. Maras, P. Ballirano, M. Botticelli
- CONFERENCE 1st International Conference on Innovation in Art Research and Technology (InArt), Évora (Portugal)
- TITLE *“Colorimetric and structural characterization of cinnabar from classical localities”*
- YEAR 19-20.09.2013
- AUTHORS M. Botticelli, P. Ballirano, A. Maras
- CONFERENCE Conferenza del Colore, Florence (Italy)
- TITLE *“Synthesis of yellow and red ochre - recipes and recognition: a preliminary investigation”*
- YEAR 26-30.04.2015
- AUTHORS Michela Botticelli, Gaia Appolloni, António Candeias and Adriana Maras
- CONFERENCE Conferenza TECHNART 2015 - Non-destructive and micro-analytical techniques in art and cultural heritage”, Catania (Italy)
- TITLE *“Synthesis of yellow and red ochre - recipes and recognition in works of art”;*
- YEAR 24-26.09.2015
- AUTHORS M. Botticelli, G. Appolloni, A. Candeias, J. Mirão and A. Maras
- CONFERENCE Colours2015 – Bridging Art with Science, Évora, Portugal

THESIS

DEGREE	Bachelor
TITLE	<i>Screening di microorganismi per la rimozione di gommalacca, applicata come fissativo su dipinti murali</i>
YEAR	2008
AUTHORS	M. Botticelli
ADDITIONAL INFO	Subject: Chemistry, Microbiology Tutor: Prof. Marialina Bernardini Co-tutor: Prof. Anna Rosa Sprocati
DEGREE	Master
TITLE	<i>Analisi in diffrazione a raggi x per la valutazione di un metodo diagnostico alternativo negli studi di provenienza sul cinabro</i>
YEAR	2012
AUTHORS	M. Botticelli
ADDITIONAL INFO	Subject: Colour and deterioration Tutor: Prof. Adriana Maras

PUBLICATIONS

TYPE	Scientific paper
TITLE	<i>Thermal behaviour of cinnabar, α-HgS, and the kinetics of the β-HgS (metacinnabar) \rightarrow α-HgS conversion at room temperature</i>
YEAR	2013
AUTHORS	P. Ballirano, M. Botticelli, A. Maras
JOURNAL	European Journal of Mineralogy, DOI: 10.1127/0935-1221/2013/0025-2341, v. 25 no. 6, pp.
REFERENCES	957-965.
TYPE	Scientific paper
TITLE	<i>Archaeometric investigations on cinnabar provenance and origin by x-ray powder diffraction: preliminary data</i>
YEAR	2013
AUTHORS	A. MARAS, M. BOTTICELLI, P. BALLIRANO
JOURNAL	International Journal of Conservation Science, ISSN: 2067-533X, v. 4, Special Issue, pp. 685-
REFERENCES	692.

TEACHING EXPERIENCE

TYPE	Bachelor assistant supervisor
CANDIDATE	Alessandra Altieri
YEAR	2014/2015
TITLE	<i>Mineralogical characterization of ochres</i>
ACTIVITY	Assistance during the traineeship and revision of the thesis
TYPE	Master assistant supervisor
CANDIDATE	Gaia Appolloni
YEAR	2013/2014
TITLE	<i>Colorimetric and mineralogical characterization of ochres</i>
ACTIVITY	Assistance during the traineeship and revision of the thesis

SCIENTIFIC AWARDS

TYPE Starting Research Grants 2015 (Type A)
TITLE ***"Synthesis of yellow and red ochre in works of art: a preliminary investigation"***
YEAR 2015
SPONSOR University of Rome "Sapienza"
ADDITIONAL INFO Attendance of the Colours2015 (24-26/09/2015) and XI CIA (14-16/10/2015) Conference

TYPE Funding of 800 euros for a Summer PhD school
TITLE ***"New methodologies in the archaeometric investigations on red pigments"***
YEAR 2013
SPONSOR PhD School "Vito Volterra" and "Assaggi" Bookshop of Rome
ADDITIONAL INFO Attendance of the 1st International Conference on Innovation in Art Research and Technology (InArt)

TYPE Starting Research Grants 2013 (Type A)
TITLE ***"New methodologies for archaeometric investigations on red pigments: cinnabar and red ochre"***
YEAR 2013
SPONSOR University of Rome "Sapienza"
ADDITIONAL INFO PhD mission at the EMPA Institute of Dübendorf, Switzerland, within the PhD in Earth Sciences

EUROPEAN APPRENTICESHIPS

TYPE PhD mission
TITLE ***Archaeometric investigations on red ochre***
YEAR 15.09.2014 – 19.12.2015
HOSTING INSTITUTION Hercules Laboratory, Évora University, Portugal
ADDITIONAL INFO Supervisor Prof. Antonio Candeias.

Synthesis of goethite and hematite; micro-FTIR, X-ray diffraction, X-ray fluorescence and scanning electron microscopy analysis

TYPE PhD mission
TITLE ***Archaeometric investigations on cinnabar – trace elements and isotopes***

YEAR 2.02.2015 – 27.03.2015

HOSTING INSTITUTION EMPA Dübendorf, Switzerland

ADDITIONAL INFO Supervisor Prof. Davide Bleiner.

ICP-MS, SF-ICP-MS e LA-ICP-MS analysis on cinnabar samples to measure trace elements and isotopes of lead and mercury

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