



## PERSONAL INFORMATION

First Names/Surname **IRINA CRINA ANCA SANDU**

Address Stovnerbakken 80, 0981 Oslo

Telephone +47.92259553

E-mail [irina.sandu@munchmuseet.no](mailto:irina.sandu@munchmuseet.no);

Website <http://www.afir.org.ro/sica>;  
<https://munchmuseet.academia.edu/IrinaSandu>

Nationality Romanian

Date of birth 17.01.1975

Gender FEMALE

Children 1 (MALE)

## WORK EXPERIENCE

### Norway

**October 2016 – Onward**

Dates (from – to)

Occupation or position held Conservation Scientist (permanent position)

Main activities and responsibilities Coordination of research projects in cultural heritage (mainly canvas and cardboard paintings, prints and drawings); writing and submission of research proposals; publishing; supervision of internships and scholarships at master and PhD level; organization of workshops, round-tables and conferences; analyses and testing of materials in CH; strategy writing and implementation.

Name and address of employer **Munch Museum**, Edvard Munchs plass 1, 0194 Oslo

Type of business or sector Public institution belonging to Oslo Kommune (200 employees)

### Portugal

**January 2014 – August 2016**

Dates (from – to)

Occupation or position held Researcher (Post-doc position)

Main activities and responsibilities Research activity in the area of conservation science and chemistry applied to conservation; writing of grant proposals and scientific papers; logistic and administrative tasks related to research activity; didactic and Outreach activities

Name and address of employer **Laboratório Hercules, Universidade de Évora, Palácio do Vimioso, Largo Marques de Marialva no 8, 7000-809 Évora**

Type of business or sector Public university – academic and research institution

Dates (from – to) **April 2008 - March 2013**

Occupation or position held Auxiliary Researcher

Main activities and responsibilities Research activity in the area of conservation science and chemistry applied to conservation; writing of grant proposals and scientific papers/books; logistic and administrative tasks related to research activity; didactic activities (seminars, courses, supervision of bachelor, master and PhD theses).

Name and address of **NOVA University in Lisbon, REQUIMTE and Department of**

employer **Conservation and Restoration of Cultural Heritage, Caparica Campus, Portugal**  
Type of business or sector Public university – academic and research institution

### Italy

Dates (from – to) **October 2004 - March 2008**  
Occupation or position held Research assistant  
Main activities and responsibilities Assistance to the activities of the European project EUARTECH (*Access, Research and Technology for the Conservation of the European Cultural Heritage*), coordinated by the Inter-University Consorziium INSTM from Perugia

Name and address of employer **ICVBC-CNR, via Madonna del Piano, Edif. C, 50019, Sesto Fiorentino - Florence, Italy**

Type of business or sector Research for conservation and promotion of cultural heritage

Dates (from – to) **November 2001 - May 2004**

Occupation or position held Project Assistant  
Main activities and responsibilities Assistance to the activities of the European project LabSTECH (*Laboratories on Science and Technology for the Conservation of European Cultural Heritage*), coordinated by the Inter-University Consorziium INSTM from Florence

Name and address of employer **Scientific Laboratory - Opificio delle Pietre Dure (OPD), Viale F. Strozzi, 1, 50129, Florence, Italy**

Type of business or sector Research for conservation and promotion of cultural heritage

### Romania

Dates (from – to) **March 2000 - October 2003**  
Occupation or position held Researcher  
Main activities and responsibilities Counseling and coordination of projects and research collaborations; writing of grant proposals and scientific papers/books; organization of scientific events and participation to conferences

Name and address of employer **“Apolonia” University, Iasi, Romania, International Centre for Training and Continuous Education**

Type of business or sector Private university – academic and research institution

Dates (from – to) **September 1995-February 2000**

Occupation or position held Qualified secretary/ assistant/ researcher  
Main activities and responsibilities Responsible of projects, researches and publications; logistic and administrative tasks related to research activity; organization of scientific events, seminars and workshops.

Name and address of employer **“T.A.B.O.R” Metropolitan Research Centre, Iasi, Romania**

Type of business or sector Conservation and diagnosis expertise for cultural heritage (research and high education)

## HIGHER EDUCATION

- Year **2003**
- Name and type of organization providing education and training **“Gh. Asachi” Technical University of Iasi, Romania**
- Principal subjects/occupational skills covered PhD in Chemistry applied to conservation of works of art (Conservation Science)
- Title of qualification awarded Thesis title: *“Study of the ageing processes of the organic materials in the structure of old paintings on supports with preparation layers”*
- Level in national classification -
- Year **2008**
- Name and type of organization providing **University of Florence, Faculty of Physical, Mathematical and Natural Sciences**

education and training

- Principal subjects/occupational skills covered

- Title of qualification awarded

- Level in national classification

- Year

- Name and type of organization providing education and training

- Principal subjects/occupational skills covered

- Title of qualification awarded

- Level in national classification

- Year

- Name and type of organization providing education and training

- Principal subjects/occupational skills covered

- Title of qualification awarded

## PERSONAL SKILLS & COMPETENCES

MOTHER TONGUE

Other language(s)

Self-assessment

*European level (\*)*

**English**

**Italian**

**Portuguese**

**French**

**Norwegian**

ROMANIAN

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Basic user	A1	Basic user
A3	Basic user	B2	Independent user	A3	Basic user	B2	Independent user	A3	Basic user

(\*) [Common European Framework of Reference for Languages](#)

**Social skills and competences**

**Organizational skills**

**Technical skills and competences**

MS Course on Science for Conservation of the Cultural Heritage

Thesis title: *“Characterization of constitutive materials and evaluation of cleaning treatment on ancient icons representing Saint Prophets (XVI-XVII century, Russia)”*

Conservation scientist

Class 12/S

**2005**

**University of Florence, Faculty of Physical, Mathematical and Natural Sciences**

Equivalence of the BS Course on Technologies for the Conservation and Restoration of the Cultural Heritage

Technologist in conservation of cultural heritage

Class 41

**1997**

**“Al. I. Cuza” University of Iasi, Romania**

BA Course on Conservation and Restoration of the Cultural Heritage, Specialization in Conservation of Polychrome objects on portable support -icons and sculptures

Thesis title: *“Study of causes and degradation forms of panel paintings”*

Conservator-restorer

team spirit; good ability to adapt to multicultural environments, gained through my work and living experience in different countries; good communication skills gained through my experience as lecturer, field manager and assistant/member of working groups in international projects and through involvement in volunteering actions and trainings. leadership (responsible for these supervision and research projects made of 3-30 persons); sense of organization; good experience in project and team management.

**COMPUTER SKILLS:** Windows (9x, 2000, xp), Word, Excel, Power Point, Adobe Photoshop; Access; Internet; Sigma plot 2000; Origin50; Macintosh, Maya 2011 basics.

**WRITING, EDITING AND REVIEWING:** main author and co-author of several book chapters and monographs; more than 100 peer-reviewed publications (*98 ISI-WoS papers; H index 27; more than 1500 citations*); more than 125 conference communications; reviewer and member of the Editorial Boards and of several international conferences; editor of 4 Books of Abstracts and of 4 Conference Special Issues; paper peer-reviewer for more than 13 scientific journals.

**SAMPLING AND USE OF ANALYTICAL INSTRUMENTS:** microscopy (HIROX, SM/OM, PLM, E-SEM, SEM-EDX); XRF/ $\mu$ XRF; spectroscopy (FTIR-ATR, micro-FTIR, micro-Raman); staining tests; immune-enzymatic assays (ELISA; IFM); CIE L\*a\*b\* colorimetry; ageing protocols in climatic chamber; Oddy testing etc.

## **TRAINING & PROFESSIONAL SPECIALIZATIO NS/ DIPLOMAS**

**6-7<sup>th</sup> June 2023** – Training in **D.2 Financial rules and reporting in H2020 and Horizon Europe**, organized by Norwegian Research Council, Lysaker, Norway;

**14<sup>th</sup> February 2022** – Course on **Project management in Conservation and Collection care**, lead by Andor Vince, UK;

**14 and 16<sup>th</sup> January 2021** – **Short seminars on Thermo Scientific FTIR basics training**, organized by Nerliens Meszanski, online;

**14<sup>th</sup> January 2021** – “**Materials used in storage and exhibition**”, webinar organized by Heritage Research and Conservation Centre at the University of Engineering and Technology (UTEC), Lima, Peru, in collaboration with the Canadian Conservation Institute, CCI, online;

**4 and 10<sup>th</sup> November 2020** – Short seminars on Thermo Scientific FTIR and Raman techniques, organized by Nerliens Meszanski, online;

**10-18<sup>th</sup> February 2020** - **CHANGE Training School** Norway, NTNU in Gjøvik and UiO, Oslo, Norway;

**24<sup>th</sup> of May 2019** - Workshop on “**Thread counting software for Museum use**”, given by Prof. Dr. Don H. Johnson from Rice University, Blindern Campus of the UiO, Norway;

**19<sup>th</sup> of June 2018** – Stakeholders Meeting for the “**Artist reference materials survey Project**”, Paul Mellon Center for Studies in British Art, London, United Kingdom;

**16<sup>th</sup> of February 2017** - **Seminar on Thermo Scientific Material Characterization** (FT-IR, Raman, Rheology and Extruders) organized by Nerliens Meszanski at Bjørvika Konferansesenter, Oslo;

**16-20<sup>th</sup> of January 2017** - **theoretical and practical workshop** on “**Cleaning painted surfaces and paper at the Munch Museum**”, held by Richard Wolbers, Delaware University;

**13<sup>th</sup> of January 2017** – **XRF practical workshop** organized by the Department of Archaeology, Conservation and History of University of Oslo (trainers: Bettina Ebert and Duncan Slarke);

**20<sup>th</sup> of January 2016** – **Workshop on Management of the Creativity and Innovation**, NERE, Evora;

**2015-2016: Toastmasters programme, Division D, Evora Club** (University of Evora), Portugal (twice a month meetings);

**2011** - **Training on Communication of Science to the Media**, organized by the Division of Communication and Training of IMM (Instituto de Medicina Molecular) in Lisbon, 17<sup>th</sup>-18<sup>th</sup> of November 2011

**2011** - **EWCHP. European Workshop on Cultural Heritage Preservation, Berlin, Germany**, 1 day training on diagnosis techniques for historical structures organized by the University of Stuttgart and Rathgen Laboratory, 28<sup>th</sup> of September 2011

**2010** - **Harvard Medical School and IPATIMUP, Porto, Portugal**  
Training workshop on Visualizing Molecular & Cellular Processes with 3D Animation, 19<sup>th</sup>-23<sup>rd</sup> of June 2010

**2009** - **Instituto Ibérico do Património, Sintra, Portugal**

Short course on Preventive Conservation, 20<sup>th</sup>, 27<sup>th</sup> June and 4<sup>th</sup> July 2009

**2009 - Technische Universität-Kunst Historisches Museum-Akademie der Bildende Künste-Technisches Museum, Wien, Austria**

Training School in Indoor Air Quality in Museums, Galleries and Archives: Analytical Methods and Preventive Conservation Strategies”, 5-9<sup>th</sup> May 2009

**2001 - Scientific Laboratory, Opificio delle Pietre Dure, Florence, Italy**

NATO Outreach Scholarship awarded by CNR-Italy in the framework of the NATO Outreach Fellowships programme – Fellowships for Technology of Cultural Heritage

**2000 - Training Centre of the Personnel from the Ministry of Culture, Bucharest, Romania**, Course of post-graduate specialization in scientific restoration of cultural heritage (panel paintings, diploma no.1824)

**1999 - “Palazzo Spinelli” Institute for Art and Restoration, Florence, Italy**

Course of post-diploma specialization in restoration of easel-paintings; Diploma of Addict to restoration – professional qualification from the Tuscan Region

**1998 - Training Centre of the Personnel from the Ministry of Culture, Bucharest, Romania**, Course of post-graduate specialization in conservation of cultural heritage (diploma no. 000015)

**1998 - Training Centre of the Personnel from the Ministry of Culture, Bucharest, Romania**, Course of post-graduate specialization in scientific diagnosis of cultural heritage (diploma no. 000014).

**Researcher unique identifier(s)**

- Researcher ID: D-2905-2013;
- [orcid.org/0000-0002-3307-3682](https://orcid.org/0000-0002-3307-3682).

**Supervision of graduate students and PhDs**

Supervision/co-supervision of 10 Bsc, 13 Msc, and 4 PhD stages (2 ongoing) and participants in recruiting processes for different stages of academic career

**Other professional skills/competences**

- Experience in drafting research grants, submission and evaluation of research proposals for national and EU competitions.
- Organizer and member of scientific committees of international conferences, workshops and seminars.
- Experience in documentation and database compilation for cultural heritage (PERCEIVE project, 2023-2025; EU-ARTECH project, 2004-2007; LabSTECH project, 2002-2004; UNESCO Japan Trust Fund project, 1997-1998) and national projects (Gilt-Teller, 2012-2015).
- Experience in creating educational contents and delivering workshops and storyboards for animation.
- Training and didactic skills acquired and improved during academic courses, seminars and laboratories.