

ANDREA TITOLO

Nationality: Italian

Date and Place of Birth: 25/11/1991, Rome

I am a Research Fellow at Sapienza University of Rome¹, at the Department of Classics². My research interests include **Settlement Pattern Analysis, Remote Sensing, GIS, and mapping**.

I mostly used softwares like R³ and QGIS⁴, and worked with old and new Landsat and Sentinel-2 images. The focus of my Ph.D. was to analyse **Iron Age settlement patterns along the Euphrates river in ancient Mesopotamia**, by using a **Landscape archaeology approach and integrating geomorphology, remote sensing, quantitative and spatial analyses using QGIS and R**. I took part in a number of excavations and surveys both in Italy and in the Near East.

CURRENT POSITION

Current
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01 July
2020

- **Research Fellow**
Sapienza University  Rome, IT
 - Temporary Research Fellow, member of the project: Tra paludi e oasi: gestione, morfologia e ricognizione dei paesaggi acquatici in Siria e Iraq

EDUCATION

2019
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2016

- **PhD., Near Eastern Archaeology**
Sapienza University  Rome, IT
 - PhD Thesis: Beyond the River. Settlement Patterns and Models of Occupation along the Euphrates in Syria and Iraq during the Iron Age.
 - Tutor: Prof. Davide Nadali.
 - Thesis Status: Successfully Defended on the 21/02/2020

2016
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2014

- **MA, Near Eastern Archaeology**
Sapienza University  Rome, IT
 - Thesis: Distribution and nature of settlements along the Middle Euphrates in Syria and Iraq in the Early Iron Age (X-IX sec. B.C.)
 - Supervisor: Prof. Davide Nadali; Co-Supervisor: Dr. Sara Pizzimenti
 - Graduation Date: 22/03/2016
 - Grade: 110/110 cum laude

2014
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2010

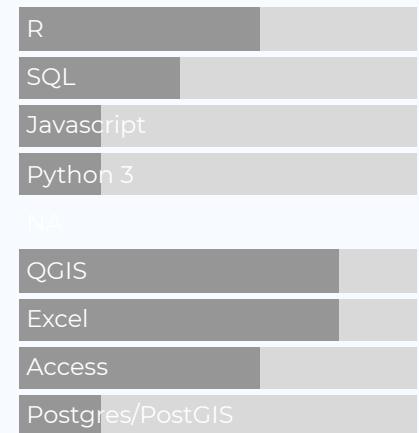
- **BA, Archaeology**
Sapienza University  Rome, IT
 - Sargon II military campaign against Urartu (714 B.C.)
 - Supervisor: Prof. Maria Giovanna Biga
 - Graduation Date: 09/01/2014
 - Grade: 108/110

View this CV online with links at
<https://bit.ly/2ZTeqlm>

CONTACT

- ✉ titoloandrea@gmail.com
- ✉ andrea.titolo@uniroma1.it
- 🌐 <https://andreatitolo.rbind.io>
- 🐦 [whysofurious1](#)
- /github github.com/andreatitolo
- /in linkedin.com/in/andreatitolo/

LANGUAGE / SOFTWARE SKILLS



Made with the R package
[pagedown](#).

The source code is available on
github.com/andreatitolo/CV.

Last updated on 2021-09-11.

2010
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2005

- **School Leaving Certificate**
L.S.S. "Antonio Labriola"
• Grade: 90/100

📍 Rome, IT



OTHER EDUCATIONAL EXPERIENCE

7
February
2020

|
27
January
2020

May
2019
|
March
2019

June
2018
|
April
2018

November
2016

June
2016

- **Winter School "R4 ARchaeologists"**
Department of Civilizations and Forms of Knowledge
• Organized by the Mappa Project
- **Study Abroad Period**
Department of Archaeology
• Study and enhance skills and techniques regarding quantitative analysis in Archaeology using R, with a specific focus on settlement pattern analysis.
• The Study Abroad Period was funded by the Fellowship "Mobility of PhD Students", provided by Sapienza University of Rome
• Supervisor during the stay: Prof. Mark Altaweel
• Duration: 3 months (March-May 2019)
- **Study Abroad Period**
Department of Anthropology and Archaeology
• Study and enhance skills and techniques of Landscape Archaeology and Remote Sensing, with a specific focus on the orthorectification and georeferencing of declassified CORONA satellite images.
• The Study Abroad Period was funded by the Fellowship "Mobility of PhD Students", provided by Sapienza University of Rome
• Supervisor during the stay: Prof. Dan Lawrence
• Duration: 3 months (April-June 2018)

📍 University College London, UK

📍 Durham University, UK

📍 Rome, IT

📍 Rome, IT

ACADEMIC PAPERS

2021

- **Use of Time-Series NDWI to Monitor Emerging Archaeological Sites: Case Studies from Iraqi Artificial Reservoirs**
Published in Remote Sensing 2021, 13(4), 786 DOI:
<https://doi.org/10.3390/rs13040786>

- 2020
- **Tools and objects from Tell Zburghul excavations (2015–2017)**
 Published in Quaderni di Vicino Oriente XVI – The Italian Archaeological excavations at Tell Zburghul, ancient Nigin, Iraq. Final report of the seasons 2015-2017, A. Polcaro- D. Nadali (edd.), Roma, pp. 183-218.
 • Co-authored with A. Caselli (University of Perugia)
- 2020
- **Assyrian Imperial Frontiers during the First Millennium B.C: the case of the Iraqi Middle Euphrates**
 Published in Katia Gavagnin, Rocco Palermo (Edited by), "Imperial Connections. Interactions and Expansion from Assyria to the Roman Period. Volume 2. Proceedings of the 5th "Broadening Horizons" Conference (Udine 5-8 June 2017)", Trieste, EUT Edizioni Università di Trieste, 2020, pp. 203-215

⌚ FIELDWORK EXPERIENCE

- Current
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2019
- **Archaeological Survey**
 Lebanese-Italian expedition in the regions of Shawakeer and Ras el-Ain 📍 Tyre, LB
 • Directed by Dr. Ali Badawi (DGA); Prof. May Haider (Lebanese University); Prof. Frances Pinnock (Sapienza University of Rome)
 • Current Member
 • Responsible for the remote sensing survey and GIS
 • Not present in the field during the first survey in 2019
- Current
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2015
- **Archaeological Excavation**
 Italian Archaeological Expedition to Nigin 📍 Dhi-Qar, IR
 • Directed by Prof. D. Nadali (Sapienza University of Rome) and by Prof. A. Polcaro (University of Perugia).
 • Current Member
 • Assistant in the field in Area E and responsible of the database of findings.
- July
2018
- **Archaeological Survey**
 Lagodekhi Municipality 📍 Lagodekhi, GE
 • Directed by Dr. Kristen Hopper (Durham University) and by Prof. Elena Rova (Ca' Foscari University).
 • Participation as archaeologist and co-responsible of the GIS documentation

- November 2017 • **Archaeological Excavation**
Nigin  Dhi-Qar, IR
• Directed by Prof. D. Nadali (Sapienza University of Rome) and by Prof. A. Polcaro (University of Perugia).
• Participation as archaeologist and area supervisor
- October 2016 • **Archaeological Excavation**
Nigin  Dhi-Qar, IR
• Directed by Prof. D. Nadali (Sapienza University of Rome) and by Prof. A. Polcaro (University of Perugia).
• Participation as archaeologist
- September 2016 • **Archaeological Excavation**
Coppa Nevigata  Foggia, IT
• directed by Prof. A. Cazzella (Sapienza University of Rome).
• Participation as archaeologist
- September 2015 • **Archaeological Excavation**
Coppa Nevigata  Foggia, IT
• Directed by Prof. A. Cazzella (Sapienza University of Rome).
• Participation as archaeologist
- July 2013 • **Archaeological Excavation**
Cottanello/Collesacco  Rieti, IT
• Directed by Prof. P. Pensabene (Sapienza university of Rome).
• Participation as archaeologist

CONGRESSES AND CONFERENCES

- 2021 • **PRIN 2017 Workshop (28 April, Online)**
Sapienza University  Rome, IT
• Presentation of the paper: "The Damascus Oasis. Past Researches and New Directions in the Analysis of Archaeological Settlement Patterns"
- 2021 • **12th International Congress on the Archaeology of the Ancient Near East, Bologna, 6-9 April 2021 (Online)**
University of Bologna  Bologna, IT
• Presentation of the paper: "Water, Landscapes and Settlements along the River. Case Studies from the Syrian Middle Euphrates"
- 2020 • **SSDA 2020 (Seminario della Scuola di Dottorato di Archeologia di Sapienza, 12-14 February)**
Sapienza University  Rome, IT
• Presentation of the paper: "Aspetti regionali della distribuzione insediativa lungo l'Eufrate nell'età del Ferro (X-VII secolo a.C.)."

- 2020
- **BANEA Conference (9-11 January),**
University of Oxford  Oxford, UK
 - Presentation of the paper: "Monitoring Emerging Archaeological Sites Using Multitemporal NDWI: Case Studies from Iraq."
- 2019
- **Broadening Horizons 6 (24-26 June)**
Freie Universität  Berlin, DE
 - Presentation of the paper: "Archaeological Landscape of the Lower Syrian Euphrates Valley: an Integrated Approach Towards the Reconstruction of the Settlement Patterns during the Iron Age."
- 2019
- **SSDA 2019 (Seminario della Scuola di Dottorato di Archeologia di Sapienza, 30-31 January).**
Sapienza University  Rome, IT
 - Presentation of the paper: "L'età del Ferro nell'area dell'Eufraate Siriano: siti e ricostruzione del paesaggio archeologico."
- 2018
- **11th ICAANE (International Congress on the Archaeology of Ancient Near East, 03-07 April)**
Ludwig-Maximilian Universität  Munich, DE
 - Presentation of the poster: "Settlement Patterns, Models of Occupation, and Assyrian Presence in the West. Case Study from the Middle Euphrates Region."
- 2018
- **BANEA Conference (27-29 March)**
Durham University  Durham, UK
 - Presentation of the paper: "On the Edge of the Empire: Riverine Landscape and Settlement Patterns in the Haditha Dam Region during the Iron Age."
- 2018
- **SSDA 2018 (Seminario della Scuola di Dottorato di Archeologia di Sapienza, 30-31 January, 1 February 2018)**
Sapienza University  Rome, IT
 - Presentation of the paper: "Pattern insediativi nell'età del Ferro: il caso studio del Medio Eufrate iracheno."
- 2017
- **Broadening Horizons 5 (4-8 June)**
University of Udine  Udine, IT
 - Presentation of the paper: "Assyrian Imperial Frontiers of the First Millennium BC, the Case of the Iraqi Middle Euphrates."
- 2016
- **10th ICAANE (International Congress on the Archaeology of Ancient Near East, 03-07 April)**
Austrian Academy of Sciences  Wien, AT
 - Participation as listener

- 2015
- **SEAC 2015 (International Conference of the European Society for Astronomy in Culture): Astronomy in Past and Present Cultures (9 - 13 November)**
Sapienza University 📍 Rome, IT
 - Participation as listener
- 2014
- **Ebla and Beyond, Ancient Near Eastern Studies after Fifty Years of Discoveries at Tell Mardikh (15 - 17 December)**
Sapienza University 📍 Rome, IT
 - Participation as listener

👥 CONFERENCES ORGANIZATION

- 2020
- **SSDA 2020 (Seminario della Scuola di Dottorato di Archeologia di Sapienza, 12-14 February)**
Sapienza University 📍 Rome, IT
 - Organised together with S. Bossi, B. Brancazi, G. Briatico, A. Caselli, A.L. Corsi, F. Lobera Corsetti, E. Lucci, F. Nicotera, G. Previti, R. Rotunno, L. Volpi.
- 2019
- **SSDA 2019 (Seminario della Scuola di Dottorato di Archeologia di Sapienza, 30-31 January).**
Sapienza University 📍 Rome, IT
 - Organised together with B. Brancazi, A. Caselli, A.L. Corsi, E. Lucci, S. Marino, R. Rotunno, L. Volpi.
- 2018
- **SSDA 2018 (Seminario della Scuola di Dottorato di Archeologia di Sapienza, 30-31 January, 1 February 2018)**
Sapienza University 📍 Rome, IT
 - Organised together with B. Brancazi, E. Casadei, A. Caselli, E. Lucci, S. Marino, F. Porta.

★ AWARDED SCHOLARSHIPS

- 2019
- **Mobility of PhD Students**
Sapienza University 📍 London, UK
 - Amount: 4500 EUR to cover travel, accommodation and sustainment abroad
 - Project name: MATTER
 - Project Members: A. Titolo, L. Volpi

- 2018
- **Mobility of PhD Students**
Sapienza University  Durham, UK
 - Amount: 4500 EUR to cover travel, accomodation and sustaintment abroad
 - Project Name: Tua-ViOr
 - Project Members: A.Caselli, A. Jabbour, I. Sayegh, A. Titolo

☰ OTHER WORKING EXPERIENCE

- Current | 2017
- **Students Lab Supervisor**
Sapienza University  Rome, IT
 - Supervisor of digitalisation lab of the graphic and cartographic material relative to the Italian Archaeological Expedition in Syria (Tell Mardikh-Ebla), directed by Prof. Paolo Matthiae.

Current | 2016

 - **Digitalisation**
Sapienza University  Rome, IT
 - Digitalisation of the graphic and cartographic material relative to the Italian Archaeological Expedition in Syria (Tell Mardikh-Ebla), directed by Prof. Paolo Matthiae.

Current | 2015

 - **Data Entry**
Nigin  Dhi-Qar, IR
 - Data entry of the archaeological documentation of the Italian Archaeological Expedition to Nigin (Iraq) directed by Prof. D. Nadali (Università di Roma "Sapienza") and by Prof. A. Polcaro (Università di Perugia).

2018

 - **Data Entry**
Lagodekhi Municipality  Lagodekhi, GE
 - Data entry of the archaeological documentation of the archaeological survey in the province of Lagodekhi (Georgia), directed by Dr Kristen Hopper (Durham University) and Prof. Elena Rova (Ca' Foscari University of Venice)

2013

 - **Data Entry**
Cottanello/Collesecco  Rieti, IT
 - Data entry of the archaeological documentation of the excavation at the "Villa di Cottanello/Collesecco (RI)" directed by Prof. P. Pensabene (Sapienza University of Rome).

💻 ONLINE CERTIFIED EDUCATIONAL EXPERIENCES

- 2020
- **Online Course: Introduction to Google Earth Engine**
 - Teacher: Dr. Alemayehu Midekisa, Geospatial Data Scientist, United States Geological Survey (USGS) - EROS.

- 2020 • **Online Course: Learning the FOSS4g Stack: QGIS 3.0 Desktop**
- Teacher: Arthur J. Lembo Jr., Professor, University of Salisbury, Department of Geography and Geoscience
- 2020 • **Online Course: Learning the FOSS4g Stack: Geoserver**
- Teacher: Arthur J. Lembo Jr., Professor, University of Salisbury, Department of Geography and Geoscience
- 2020 • **Online Course: Learning the FOSS4g Stack: Spatial SQL with Postgres_PostGIS**
- Teacher: Arthur J. Lembo Jr., Professor, University of Salisbury, Department of Geography and Geoscience
- 2020 • **Online Course: Complete Google Earth Engine for Remote Sensing and GIS**
- Teacher: Minerva Singh, PhD, University of Cambridge

A|Z LANGUAGES PROFICIENCY (CEFR LEVELS)

- **Italian**
 - Mother Tongue
- **English**
 - Reading: C1
 - Writing: C1
 - Speaking: C1
- **French**
 - Reading: B1
- **Arabic**
 - Speaking: A2

2020
|
22
March
2018

IELTS CERTIFICATION

- **CEFR Level C1**
 - Reading: 8.5
 - Writing: 7.0
 - Speaking: 7.0
 - Listening: 8.5
 - Overall Band Score: 8.0

COMPUTER AND TECHNICAL SKILLS

- Advanced Knowledge of Windows Operating System and Office Package Programs
- Good Knowledge of Graphic Software as Adobe Photoshop, Adobe Illustrator, Gimp
- Advanced Knowledge of GIS Programs like QGIS (version 2.18, 3.4, 3.10, 3.12)
- Good Knowledge of R and Rstudio applied to archaeological spatial analysis and exploratory data analysis
- Good Knowledge of Google Earth Engine and Javascript finalized at remote sensing analysis and satellite images interpretation
- Good Knowledge of Relational and Spatial Databases like Microsoft Access, Postgres/PostGis, Geopackage
- Base Knowledge of Geoserver 2.17

LINKS

- 1: <https://www.uniroma1.it/it/pagina-strutturale/home>
- 2: <http://www.antichita.uniroma1.it/en>
- 3: <https://www.r-project.org/>
- 4: <https://www.qgis.org>