

# LORENZO CASTELLANO

*University of California, Los Angeles*

*Cotsen Institute of Archaeology*

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## RESEARCH INTERESTS

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Environmental Archaeology; Archaeobotany; Archaeological Methods and Theory; Field Archaeology; History of Agriculture; Western Asia Archaeology; Anatolian Archaeology; World Archaeology.

## PROFESSIONAL APPOINTMENTS

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- (2024 – present) *University of California, Los Angeles (USA), Cotsen Institute of Archaeology*  
*Postdoctoral Scholar*
- (2022 – 2024) *New York University (USA), Department of Anthropology and Institute for the Study of the Ancient World*  
*Postdoctoral Lecturer in Archaeology*
- (2013-2014) *Milano-Bicocca University (Italy), Department of Earth and Environmental Sciences*  
*Funded Research Fellow*  
Project NEXTDATA – climate and vegetation of the last 3 thousand years in Northern Italy (PI Valter Maggi)
- (2011-2013) *National Research Council of Italy (CNR), Institute of Environmental Geology and Geoengineering (IGAG)*  
*Collaborator and Consultant*  
Research Group on Vegetation, Climate, and Human Stratigraphy (PI Cesare Ravazzi)

## EDUCATION

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- *PhD in Ancient Studies* (18-05-2022)  
**New York University (USA), Institute for the Study of the Ancient World**  
Dissertation: Farming the Land of Hatti: A Socio-Economic History of Agriculture in Central Anatolia from the Bronze Age to the Hellenistic Period
- *MPhil in Ancient Studies* (25-09-2017)  
**New York University (USA), Institute for the Study of the Ancient World**
- *MA in Archaeology* (21-11-2012)  
**University of Milan (Italy)**  
Thesis: Analisi Antracologica al Forcello di Bagnolo San Vito (MN): Lo Sfruttamento delle Risorse Forestali in un Abitato Etrusco Padano. 110/110L (*summa cum laude*)
- *BA in Cultural Heritage Studies* (26-05-2008)  
**University of Milan (Italy)**  
Thesis: Tombe della Seconda Età del Ferro di Esino Lario (LC, Italy). 110/110L (*summa cum laude*)

## TEACHING (Instructor of Record)

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- **Introduction to Archaeobotany** (Undergraduate; 4 credits)  
*New York University, Department of Anthropology*  
2023/2024 (fall); 2022/2023 (fall); 2022/2023 (spring); 2021/2022 (J-term); 2020/2021 (J-term); 2019/2020 (J-term)
- **An Ecological Approach to the Ancient World: Topics, Methods, and Debates in Environmental Archaeology** (Graduate; 4 credits)  
*New York University, Institute for the Study of the Ancient World*  
2022/2023 (fall)
- **The Archaeology of Food and Foodways** (Undergraduate; 4 credits)  
*New York University, College of Arts and Sciences-First Year Seminar Program*  
*New York University, Department of Anthropology*  
2023/2024 (spring); 2022/2023 (spring)
- **Agriculture in the Ancient Near East: from the Neolithic to the 'Islamic Green Revolution'** (Graduate; 4 credits)  
*New York University, Institute for the Study of the Ancient World*  
2023/2024 (spring)
- **Zooarchaeology, Archaeobotany, and Human-Environment Interrelationship in the Ancient World** (Graduate; 36 hours) (co-taught with Pam Crabtree)  
*University of Pavia, MA the Ancient Mediterranean World*  
2023/2024 (spring)

## PUBLICATIONS

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### Forthcoming (in print/submitted)

1. Marston, J and L. Castellano (*in press*), "Political Economy, Climate, and Agriculture in 1<sup>st</sup> and 2<sup>nd</sup> Millennia CE Anatolia". *Antiquity*.
2. Castellano, L and Marston, J. (*submitted*), "Agriculture in Bronze and Iron Age central Anatolia: the archaeobotanical evidence". *Asia Anteriore Antica. Journal of Ancient Near Eastern Cultures*.
3. d'Alfonso L., L. Castellano, R. Casagrande-Kim, P. Crabtree, E. Frank, İ. Güngör, N. A. Highcock, C. Kuzucuoğlu, A. Mantovan, M. Pucci, A. Trameri, D. Winchell, B. Yolaçan (*submitted*), "Archaeological works at Niğde – Kınık Höyük 2015-2021: a concise report". In: S. Branting, J.W. Lehner, D. Langis-Barsetti, T. Kalaycı, G.B. Yazıcıoğlu Santamaria, S.R. Steadman, and G. McMahon (eds.), *The Archaeology of Anatolia: Recent Discoveries (2012-2022)*. Cambridge Scholars Press.
4. Castellano, L. (*submitted*), "Viticulture in ancient Anatolia: an archaeobotanical perspective", in Casucci G., Miola S., Repishti P., Zanotta S. (eds.), *Entangled Food Histories. Methods and Sources for Exploring Foodways Across Millennia*, Edizioni dell'Orso.
5. Castellano L., Sezer V. (*submitted*), "Archaeobotanical and Zooarchaeological Approaches to Ancient Farming in the Eastern Anatolian Highlands: Evidence, Questions, and Perspectives", in *Agriculture in Anatolia from Ancient Times to the Present, Proceedings of the Symposium*.
6. Castellano, L. and J. M. Marston (*submitted*), "Wood charcoal: insights on landscape, vegetation, and wooden resources exploitation in Southern Cappadocia during the Hellenistic period". In: L. d'Alfonso,

M.E. Gorrini, B. Yolacan (eds), *KINIK HÖYÜK I: Kınık Höyük and the archaeology of the Hellenistic kingdom of Cappadocia*.

7. **Castellano, L.** (submitted), "Between economy and rhetoric: the epigraphy and archaeology of large-scale grain storage in Post-Hittite Anatolia and Northern Syria". *Proceedings of the 10th International Conference of Hittitology*.

#### Journal Articles (\*Peer-Reviewed)

8. **Castellano, L.** (2023), "Grapes and wine in pre-Roman Anatolia: evidence of large-scale viticulture from southern Cappadocia, the land of the Storm-God of the Vineyard". *Journal of Near Eastern Studies*, 82(2): 171-196.\*
9. Pucci M., C. Alvaro, S. Bartolozzi, **L. Castellano**, M. Carletti, C. Fantoni, F. Lentini, M. Montesanto, B. Yolacan (2023), "Living in the lower town at Kınık Höyük (Niğde). Preliminary report on the 2021-2022 campaigns in Anatolia". *Asia Anteriore Antica. Journal of Ancient Near Eastern Cultures*, 5: 81-130.\*
10. Marston J. and **L. Castellano** (2023), "Crop Introductions and Agricultural Change in Anatolia during the Long First Millennium CE". *Vegetation History and Archaeobotany*.\*
11. d'Alfonso L., E. Basso, **L. Castellano**, A. Mantovan, P. Veruani (2022), "Regional exchange and exclusive elite rituals in Iron Age Central Anatolia: dating, function, and circulation of the "Alişar-IV ware"". *Anatolian Studies*, 72: 37-77.\*
12. Ravazzi C., G. Artioli, F. Badino, M. Baioni, R. Banino, **L. Castellano**, et al. (2022), "Scenari di ricostruzione delle interazioni uomo-ambiente-clima in Lombardia (N-Italia) dal Paleolitico medio all'età del Ferro". *Rivista di Scienze Preistoriche*, LXXII S2: 37-77.
13. **Castellano L.** (2021), "A new anthracological sequence from Niğde-Kınık Höyük (Turkey): woodland vegetation and arboriculture in southern Cappadocia from the Late Bronze Age to the Ottoman Period". *Archaeological and Anthropological Sciences*, 13(49).\*
14. Jaffe Y.Y., **L. Castellano**, G. Shelach-Lavi, R.B. Campbell (2021), "Mismatches of scale in the Application of Paleoclimatic Research to Chinese Archaeology". *Quaternary Research*, 99: 14-33.\*
15. Pini R., C. Ravazzi, R. Comolli, R. Perego, **L. Castellano**, C. Croci, M. De Amicis, D. Abu El Khair, G. Furlanetto, D. Marsetti (2020), "Life on a hilltop: vegetation history, plant husbandry and pastoralism at the dawn of Bergamo-Bergomum (northern Italy: 15th to 7th century BC)". *Vegetation History and Archaeobotany*, 30: 525-553.\*
16. Jung Y., R. Campbell, **L. Castellano**, C. Xianglong (2020), "Subsistence and persistence: Agriculture in the Central Plains of China through the Neolithic to Bronze Age transition". *Antiquity*, 94(376): 900-915.\*
17. D'Alfonso L., B. Yolaçan, **L. Castellano**, N. Highcock, C. Casagrande, M.E. Gorrini, A. Trameri (2020), "Niğde Kinik Höyük: New evidence on Central Anatolia during the first millennium BCE". *Near Eastern Archaeology*, 83(1): 16-29.\*
18. Ravazzi C., R. Pini, M. De Amicis, **L. Castellano**, R. Comolli, D. Abu El Khair, G. Furlanetto, D. Marsetti, R. Perego (2020), "Palaeoecological archives unraveling the early land-use history at the emergence of the Bronze Age settlement of Bergamo (Italian Alps)". *Review of Palaeobotany and Palynology*, 276: 104205.\*
19. Amicone S., E. Croce, **L. Castellano**, G. Vezzoli (2020), "Building Forcello. Etruscan wattle and daub technique in the Po Plain (Bagnolo San Vito-Mantua, northern Italy)". *Archaeometry*, 62(3): 521-537.\*

20. Rapi M., T. Quirino, **L. Castellano**, M. Hirose, A. Amato, E. Barbieri, S. Busnelli (2019), "To Warm, to cook and to produce. The fire structures of the Etruscan settlement of Forcello di Bagnolo S. Vito (MN): typological and functional aspects". *IpoTESI di Preistoria*, 19: 225- 250.
21. d'Alfonso L., A. Trameri, A. Mantovan, N. Lovejoy, **L. Castellano**, E. Dalkiliç, R. Casagrande, N. Highcock, B. Yolaçan, M. Derada (2019), "Archaeological excavations at Niğde Kınık Höyük (TR): excavation report 2018". *Kazı Sonuçları Toplantısı*, 41(3):463-485.
22. **Castellano L.** (2018), "Staple economies and storage in post-Hittite Anatolia. New data from Niğde Kınık Höyük (Southern Cappadocia)". *Journal of Eastern Mediterranean Archaeology and Heritage Studies*, 6(4): 259-284.\*
23. d'Alfonso L. and **L. Castellano** (2018), "Kınık Höyük in south Cappadocia Addendum to: A Comparative Stratigraphy of Cilicia". *Altorientalische Forschungen*, 45(1): 84-93.\*
24. Peresani M., C. Ravazzi, R. Pini, D. Margaritora, A. Cocilova, D. Delpiano, S. Bertola, **L. Castellano**, F. Fogliazza, G. Martino, C. Nicosia, P. Simon (2018), "Human settlement and vegetation-climate relationships in the Greenland Stadial 5 at the Piovesello site on the Northern Apennine watershed". *Quaternary Research*, 90(3): 503-528.\*
25. Pini R., G. Furlanetto, **L. Castellano**, F. Saliu, A. Rizzi, A. Tramelli (2018), "Effects of stepped-combustion on fresh pollen grains: morphoscopic, thermogravimetric, and chemical proxies for the interpretation of archeological charred assemblages". *Review of Palaeobotany and Palynology*, 259: 142-158.\*
26. Peresani M., C. Ravazzi, R. Pini, D. Margaritora, A. Cocilova, D. Delpiano, S. Bertola, **L. Castellano**, G. Martino, C. Nicosia (2018), "Human resilience and the climatic impact of Greenland Stadial 5 on the landscape of the Northern Apennine watershed. An assessment based on multidisciplinary data from the Piovesello Gravettian site". *Alpine and Mediterranean Quaternary*, 31: 89-92.\*
27. D'Alfonso L., H. Ergurer, A. Trameri, K. Justement, A. Mantovan, N. Lovejoy, M. De Pietri, A. Matessi, **L. Castellano**, E. Dalkiliç, R. Casagrande, E. Zamperini, V. Cinieri, M. Morandotti (2018), "Archaeological Excavations at Kınık Höyük, 2017: Excavation Report". *Kazı Sonuçları Toplantısı*, 40: 569-590.
28. Croce E., D. Veneziano, **L. Castellano** (2018), "Ricerche archeologiche alle sorgenti del Brembo: breve nota sulle ricognizioni e scavi condotti in Val Camisana (Carona - BG) tra il 2009 e il 2017". *NAB Notizie Archeologiche Bergomensi* 25: 147-161.
29. **Castellano L.**, C. Ravazzi, G. Furlanetto, R. Pini, F. Saliu, M. Lasagni, M. Orlandi, R. Perego, I. Degano, F. Valoti, R. C. de Marinis, S. Casini, T. Quirino, M. Rapi (2017), "Charred honeycombs discovered in Iron Age Northern Italy. A new light on boat beekeeping and bee pollination in pre-modern world". *Journal of Archaeological Science*, 83: 26-40.\*
30. Pini R., C. Ravazzi, L. Raiteri, A. Guerreschi, **L. Castellano**, R. Comolli (2017), "From pristine forests to high-altitude pastures: an ecological approach to prehistoric human impact on vegetation and landscapes in the western Italian Alps". *Journal of Ecology*, 105:1580–1597.\*
31. Ergürer A., R. Casagrande, **L. Castellano**, M. de Pietri, N. Highcock, A. Trameri, L. d'Alfonso (2017), "Excavations at Kınık Höyük, 2016". *Kazı Sonuçları Toplantısı*, 39(2): 587-599.
32. **Castellano L.** and L. d'Alfonso (2017), "Kınık Höyük'teki yeni bulgular ışığında: Hitit Çağı'ndan Post-Hititlere geçişte ekonomi ve tarımsal üretim / Economia e produzione agricola nel passaggio tra età ittita e post-ittita: nuove evidenze da Kınık Höyük". *Arkeoloji ve Sanat*, 155: 71-82.
33. Pini R., **L. Castellano**, R. Perego, C. Ravazzi, M. de Amicis, S. Chiesa (2017), "Nuovi dati sulla storia ambientale del centro abitato di Bergamo Alta tra la fase arcaica dell'Età del Bronzo e il Medioevo.

- Stratigrafia, paleoecologia e archeobotanica dei depositi del Palazzo del Podestà (Piazza Vecchia)". *Atti dell'Ateneo di Scienze, Arti, e Lettere di Bergamo*, LXXIX: 349-371.
34. Pini R., C. Ravazzi, E. Aceti, **L. Castellano**, R. Perego, T. Quirino, F. Valle (2016), "Ecological changes and human interaction in Valcamonica, the rock art valley, since the last deglaciation". *Alpine and Mediterranean Quaternary*, 29 (1):19 – 34.\*
  35. d'Alfonso L., A. Ergüerer, **L. Castellano**, N. Highcock, A. Lanaro, A. Matessi, A. Trameri (2016), "Excavations at Kınık Höyük, 2015". *Kazı Sonuçları Toplantısı*, 38(3): 333-342.
  36. Croce E., A. Amicone, **L. Castellano**, G. Vezzoli (2014), "Analisi di una tecnica edilizia in terra cruda nell'insediamento Etrusco-Padano del Forcello di Bagnolo San Vito (Mn)". *NAB Notizie Archeologiche Bergomensis*, 22: 137-160.
  37. Pini R., **L. Castellano**, R. Perego, C. Ravazzi (2013), "Dati archeobotanici stratigrafici dal sottosuolo dell'Hospitium Communis Pergami (Città Alta di Bergamo)". *NSAL Notiziario Soprintendenza Archeologica della Lombardia* (2010/2011): 25.27.
  38. Casini S., **L. Castellano**, E. Croce, A. Lando, C. Longhi (2012), "Un santuario celtico a Carona (Bergamo)? Ricerche e ritrovamenti nell'area del masso inciso CMS1". *NAB Notizie Archeologiche Bergomensis*, 18: 133-154.
  39. Ravazzi C., M. Marchetti, M. Zanon, R. Perego, **L. Castellano**, M. Deaddis, M. De Amicis, C. Fredella, D. Margaritora, R.C. De Marinis, T. Quirino (2011), "Lake evolution since the Bronze Age in the lower Mincio river valley and the Forcello Etruscan harbor (Central Po Plain)". *Italian Journal of Quaternary Sciences*, 24: 202-204.\*
  40. Badino F., M. Baioni, **L. Castellano**, N. Martinelli, R. Perego, C. Ravazzi. (2011), "Foundation development and abandoning of a Bronze Age pile-dwelling (Lucone D, Garda Lake) recorded in the palynostratigraphic sequence of the pond offshore the settlement". *Italian Journal of Quaternary Sciences*, 24: 177-179.\*

#### Book Chapters (\*Peer-Reviewed)

41. **Castellano, L.** (2024), "Farming the land of Hatti: emergence and collapse of the Late Bronze Age agricultural landscape of Central Anatolia ". In M.G. Masetti-Rouault, R. Hawley, I. Calini, L. d'Alfonso (eds), *Ancient West Asia Beyond the Paradigm of Collapse and Regeneration, 1200-900 BC*. ISAW-NYU press: 85-116.\*
42. **Castellano, L.** (2024), "Viticulture in 1st millennium BCE Anatolia: new archaeobotanical evidence from southern Cappadocia and a regional overview". In S. de Martino, E. Devecchi, and M. Viano (eds), *Eating and Drinking in the Ancient Near East. Proceedings of the 67th Rencontre Assyriologique Internationale*. Dubsar Altorientalistische Publikationen 33. Zaphon-Beispiel: 45-56.\*
43. **Castellano, L.**, D. Campana, P. Crabtree, A. Gürel, C. Kuzucuoğlu, A. Matessi, L. d'Alfonso (2023), "A diachronic view on the Anatolian landscape: environment and economies from the Bronze Age to the Ottoman Period in the Northern Tyanitis (southern Cappadocia, Turkey)". In: Marchetti N., Campeggi M., Cavaliere F., D'Orazio C., Giacosa G., Mariani E. (eds), *Proceedings of the 12th ICAANE*. Harrassowitz-Verlag: 45-57.\*
44. Marston, M. J. and **L. Castellano** (2021), "Archaeobotany of Anatolia". In: S. Steadman and G. McMahon (eds), *Archaeology of Anatolia Volume IV*. Cambridge Scholar Publishing: 338-354.\*

45. **Castellano L.**, R. Pini, C. Ravazzi, G. Furlanetto, F. Valoti (2021), “Palynological insights to the ecology and economy of ancient bee-products: a contribution to the history of beekeeping”. In: D. A. Wallace-Hare (ed), *New Approaches to the Archaeology of Beekeeping*. Archaeopress: 59-78.\*
46. Lanaro L., **L. Castellano**, N. Highcock, M. Mantovan, L. d'Alfonso (2020), “South-Central Anatolia during the Iron Ages: a diachronic view from Kınık Höyük (Niğde)”. In: A. Otto, M. Herles, K. Kaniuth, L. Korn, A. Heidenreich (eds), *Proceedings of the 11th ICAANE*. Harrassowitz-Verlag: 215-228.\*
47. **Castellano L.**, L. d'Alfonso, A. Payne (2018), “Paleographic database for the Anatolian Hieroglyphic Script 1.0”. In: P. Cotticelli-Kurras and F. Giusfredi (eds), *Formal Representation and Digital Humanities*. Cambridge Scholars Publishing: Newcastle: 1-12.
48. **Castellano L.** and R. Perego (2018), “I pozzi. Le analisi antracologiche e carpologiche”. In: G. De Gattis, P. Curdy, A. M. Ferroni, F. Martinet, R. Poggiani Keller, L. Raiteri, L. Sarti, G. Zidda, F. Mezzena (eds), *Area megalitica di Saint-Martin-de-Corléans. Una visione aggiornata*. Le Château Edizioni: 233-241.
49. **Castellano L.** (2018), “I pali. Le analisi antracologiche”. In: G. De Gattis, P. Curdy, A. M. Ferroni, F. Martinet, R. Poggiani Keller, L. Raiteri, L. Sarti, G. Zidda, F. Mezzena (eds), *Area megalitica di Saint-Martin-de-Corléans. Una visione aggiornata*. Le Château Edizioni: 263-266.
50. Painetti A., S. Amicone, D. Angelucci, G. Aprile, F. Bortolami, **L. Castellano**, F. Cavulli, E. Croce, C. D'Oronzo, F. Dumont, G. Fiorentino, G. Fronza, G. Gaj, C. Moffa, I. Maria Muntoni, A. Pedrotti, M. Pia Riccardi, M. Rottoli, C. Speciale, G. Tasca, C. Veca, M. Venturino, G. Vezzoli (2018), “Le torchis dans l'architecture italienne du Néolithique à l'âge du Fer: synthèse actualisée des données archéologiques”. In: C.-A. de Chazelles, É. Leal, and A. Klein (eds), *Echange Transdisciplinaires sur les Constructions en Terre Crude*. Les Éditions de l'Espérou: 137-160.
51. Ravazzi C., F. Badino, **L. Castellano**, D. De Nisi, G. Furlanetto, R. Perego, M. Zanon, M. Dal Corso, M. De Amicis, G. Monegato, R. Pini, F. Valle (2018), “Introduzione allo studio stratigrafico e paleoecologico dei laghi intramorenici del Garda”. In M. Baioni, C. Mangani, M.G. Ruggiero (eds), *Le Palafitte. Ricerca, Conservazione, Valorizzazione, Atti del Convegno, Desenzano del Garda, 6-8 ottobre 2011*. SAP–Società Archeologica: 167-183.
52. Pini R., **L. Castellano**, R. Perego, C. Ravazzi, A. Rizzi (2016), “Un insediamento perilacustre del Tardo Neolitico - Età del Rame a Fimon Le Fratte. Successione sedimentaria, stratigrafia pollinica e macroresti vegetali”. In: E. Bianchin Citton (ed), *Nuove Ricerche Nelle Valli di Fimon. L'Insediamento Tardo Neolitico de Le Fratte di Arcugnano*. Editrice Veneta: 169-194.
53. Pini R., C. Ravazzi, E. Aceti, **L. Castellano**, R. Perego, F. Valle (2015), “An updated synthesis on landscapes and climate history in Val Camonica since the late Upper Paleolithic from off-site natural archives”. In: F. Troletti (ed), *XXVI Valcamonica Symposium 2015, Prospects for the Prehistoric Art Research*. Press Up: 201-209.
54. **Castellano L.**, R. Pini, C. Ravazzi (2012), “Indagini archeobotaniche stratigrafiche negli scavi di Palazzo Podesta, Bergamo”. In: M. Fortunati and A. Ghiroldi (eds), *Hospitium Communis Pergami. Scavo archeologico, restauro e valorizzazione di un edificio storico della città*. Diego Dejacco editore: 111-112.

### Popular Articles

55. **Castellano L.**, G. Furlanetto, R. Pini, C. Ravazzi (2024), “L'apicoltura al Forcello”. In M. Hirose, L. Lamanna, M. Rapi (eds), *Lungo il Fiume. L'abitato etrusco del Forcello*. Editoriale Sometti: 58-64.
56. Giusti M. and **L. Castellano** (2017), “L'apicoltura fluviale su barca in età Etrusca”. *L'Apicoltore Italiano*, 8: 8-21.

57. **Castellano L.**, (2015), "L'apicoltura al tempo degli Etruschi del Forcello". In: S. Casini (ed), *Food. Archeologica del Cibo dalla Preistoria all'Antichità*. Collana del Museo Archeologico. Materiali per la Cultura 3: 133
58. **Castellano L.**, C. Fredella, R. Perego, T. Quirino (2011), "L'Abitato del Forcello". *Antus Markes*, 1: 17-27.

### Technical Reports

59. **Castellano L.** Metropolitan Museum of Art (New York, USA), Egyptian collection. Non-Invasive xylological screening of wooden scribal palettes and associated brushes. Technical Report 21 October 2019.
60. **Castellano L.**, R. Pini, C. Ravazzi, Piovesello di Cassimoreno (Comune di Ferriere, Appennino Piacentino). Indagini paleobotaniche su depositi con industrie litiche gravettiane, Technical Report CNR-IDPA, February 2013.
61. Ravazzi C., F. Badino, **L. Castellano**, G. Furlanetto. Indagine stratigrafica dei depositi del Bacino di Polada (comune di Lonato del Garda) con particolare riguardo ai depositi Olocenici, Technical Report CNR-IDPA, 6 May 2013.
62. Pini R., C. Ravazzi, **L. Castellano**, R. Perego. Indagini archeobotaniche e analisi della stratigrafia dei sedimenti provenienti dall'attività di scavo nell'area perilacustre del lago di Fimon, Technical Report CNR-IDPA, 20 February 2012.
63. **Castellano L.**, R. Pini, A. Rizzi. Indagini e analisi Archeobotaniche siti Età Romana dalla Città di Aosta. Le necropoli a cremazione di Via Saint Martin de Corléans e Viale Europa. Antracologia e Palinologia, Technical Report CNR-IDPA, 28 May 2012.
64. **Castellano L.**, R. Pini. Indagini e analisi Archeobotaniche siti di Età Protostorica dalla Città di Aosta. Aosta- Cantieri di Via Roma analisi archeobotaniche preliminari e datazioni <sup>14</sup>C, Technical Report CNR-IDPA, 15 June 2012.
65. Pini R., **L. Castellano**, R. Perego, C. Ravazzi. Indagini archeobotaniche stratigrafiche nel sottosuolo di Palazzo Podestà (Città Alta di Bergamo). Storia della vegetazione naturale e delle trasformazioni antropiche sul Colle di Bergamo dalla Media Età del Bronzo all'Età Rinascimentale. Technical Report CNR-IDPA, 02 October 2012.
66. **Castellano L.** Analisi antracologiche, selezione e preparazione di campioni da sottoporre a datazioni <sup>14</sup>C dal Cantiere di Saint Martin de Corléans (Aosta), Technical Report CNR-IDPA, 19 December 2012.
67. Ravazzi C., F. Badino, **L. Castellano**. Studio stratigrafico del settore centrale del bacino palustre di Paùl (Comune di Manerba del Garda). Technical Report CNR-IDPA, 14 February 2011.
68. Perego R., **L. Castellano**, C. Ravazzi. Analisi botanica di campioni di terreno per la ricerca e l'identificazione di propaguli vegetali. Technical Report CNR-IDPA, 23 February 2011.
69. **Castellano L.**, A. Rizzi, C. Ravazzi. Lucone abitato D. Analisi antracologica di due cumuli di fase 2. Technical Report CNR-IDPA, 31 March 2011.
70. Pini R., C. Ravazzi, **L. Castellano**. Studi geo-paleontologici di un tratto della sezione affiorante lungo il torrente Arda (provincia di Piacenza). Indagini paleobotaniche-stratigrafiche. Technical Report CNR-IDPA 29 December 2011.
71. **Castellano L.**, R. Perego, A. Rizzi, C. Ravazzi. Lavori di realizzazione del Parco Archeologico nell'area megalitica di Via Saint Martin de Corléans (AO), Analisi Archeobotaniche. Rapporto tecnico conclusivo sullo studio dei macroresti vegetali. Technical Report CNR-IDPA, 30 June 2010.

## CONFERENCE PRESENTATIONS AND INVITED TALKS

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1. Earley-Spadoni, T., A. Creekmore III, V. Oselini, J. Weber, **L. Castellano**, P. Delnero, M. Feldman, L. Williams, K. Shippelhoute, V. Wilson, T. Corwin, M. Sangria, and G. Schwartz. Results from 2024 Fieldwork in the Middle Bronze Age Lower Town at Kurd Qaburstan. *Annual Meeting of the American Society of Overseas Research (ASOR)*, Boston, November 23.
2. Rouse L.M., **L. Castellano**, E.T. Hubbard, S.A. Hunter, F.K. Jürcke, D. Mueller, R. Pini, S. Stark. Archaeo-Ecology of Kimirek-Kum 1 (late 2<sup>nd</sup> millennium BCE, central Uzbekistan). *30<sup>th</sup> Annual Meeting of the European Association of Archaeologists (EAA)*, Rome, 28-31 August 2024.
3. **Castellano L.** and V. Sezer. Archaeobotanical approaches to ancient farming in the Eastern Anatolian Highlands. *Agriculture in Anatolia from the Antiquity to the Present Symposium*, 13-15 May 2024, Ankara.
4. **Castellano L.** Feeding Hattuša: Crop Production and Storage in Hittite Anatolia. *Feeding Cities, Antiquity to Middle Ages*. The Center for Ancient Studies, New York University, 4-5 April 2024.
5. **Castellano L.** and J.M. Marston. Agriculture in Achaemenid and Early Hellenistic Central Anatolia: A view from Niğde-Kınık Höyük and Gordion. Workshop *Achaemenid Environments: Agenda-setting economic, landscape, environmental and bio-archaeological approaches to Achaemenid Impact*, BANEА, University of Glasgow, 3-5 January 2024.
6. **Castellano L.** Grapes and Wine in Ancient Western Asia: A Case Study from Asia Minor. Winter School *Entangled Food Histories*, University of Pavia, 4-5 December 2023.
7. **Castellano L.** and J.M. Marston. Agricultural production in Bronze and Iron Age central Anatolia. The Archaeobotanical Evidence. *13th International Congress on the Archaeology of the Ancient Near East*. Copenhagen, 22-26 May 2023.
8. **Castellano L.** Agriculture in the “Land of Hatti”. The politics and ecology of farming in Late Bronze Age central Anatolia. *88th Annual Meeting Society American Archaeology*. Portland, 29 March – 2 April 2023.
9. **Castellano L.** The Vines and Grains of Tarhuntas: the development of the agricultural landscape of southern Cappadocia (Turkey) in the 1st millennium BCE. *Annual Meeting of the American Schools of Oriental Research (ASOR)*. Chicago (USA), November 17-20, 2021.
10. **Castellano L.**, D. Campana, P. Crabtree. The village after the citadel: the agropastoral economy of the Medieval occupation of Niğde-Kınık Höyük (Central Anatolia). *27th Annual Meeting of the European Association of Archaeologists*. Kiel (Germany), September 6-11, 2021.
11. **Castellano L.** The archaeobotany of viticulture in post-Hittite Anatolia: a view from Southern Cappadocia and a regional synthesis. *67th Rencontre Assyriologique Internationale*. Turin (Italy), July 12-16, 2021.
12. **Castellano L.** Reconstructing past economies and environments through botanical macro-remains. Dokuz Eylül Üniversitesi edebiyat fakültesi. *Arkeoloji Bölümü Webinar*. Izmir (Turkey), May 21, 2021.
13. **Castellano L.**, D. Campana, P. Crabtree, A. Gürel, C. Kuzucuoğlu, A. Matessi, L. d’Alfonso. A diachronic view on the Anatolia landscape Environment, economies, and politics from the Bronze Age to the Ottoman Period in the Northern Tyanitis (Southern Cappadocia, Turkey). *12th International Congress on the Archaeology of the Ancient Near East (ICAANE)*. Bologna (Italy), April 6-12, 2021.
14. Highcock N., **L. Castellano**, L. d’Alfonso. The Occupational Sequence at Kınık Höyük-Niğde: a View from the Lower Town. *British Association for Near Eastern Archaeology (BANEА) Conference*. Bournemouth (UK), March 4, 2021.

15. Baioni, M., F. Bona, **L. Castellano**, C. Longhi, C. Mangani, N. Martinelli, C. Nicosia, R. Perego, T. Quirino, E. Saletta, P. Spinelli. Connecting sciences: un sistema GIS per la ricostruzione planimetrica e funzionale di una porzione del villaggio palafitticolo dell'età del Bronzo del Lucone di Polpenazze (BS). *56th Scientific Conference of the Italian Institute of Prehistory and Protohistory (IIPP)*. Ferrara (Italy), October 20-23, 2021.
16. **Castellano L.** Reconstruction history from wood microanatomy: an introduction to the study of wood charcoal remains from archaeological sites and a case study from Kınık Höyük (Turkey). Institute of Fine Arts, NYU, Conservation Center Matters Series. New York (USA), March 2, 2020.
17. **Castellano L.** Agriculture, Landscape, and Economy across the Late Bronze – Iron Age transition. A view from Kınık Höyük and South-Central Anatolia. *International Congress Between the Age of Diplomacy and the first great Empire (1200-900 BCE); Ancient western Asia beyond the paradigm of collapse and regeneration*. Paris (France), April 18-19, 2019.
18. Rapi, M., T. Quirino, **L. Castellano**, M. Hirose, A. Amato, E. Barbieri. To warm, to cook, to produce. The fire structures of the Etruscan settlement of Forcello di Bagnolo S. Vito: typological and functional aspects. 6th Annual Meeting of Prehistory and Protohistory: Hearths, Ovens, and Kilns from the Neolithic to the Iron Age: Understanding domestic and craft activities through the study of the pyrotechnological features and combustion residues. *6th Annual Meeting of Prehistory and Protohistory*. Bologna (Italy), March 29, 2019.
19. **Castellano L.** Grains, Granaries, and Politics: Some Considerations on the Role of Staple Products in Post-Hittite Anatolia. *Annual Meeting of the American Schools of Oriental Research (ASOR)*. Denver (USA), November 14-17, 2018.
20. **Castellano L.** The economic basis of post-Hittite polities: EIA granaries of Kınık Höyük. *Rethinking the Transition from the Bronze to the Iron Age in Anatolia and Northern Mesopotamia*. New York City (USA), November 12, 2018.
21. **Castellano L.**, R. B. Campbell, Y. Jaffe, Climatic Narratives Across Eurasia: for a Comparative Study of the 4.2 Event in Western and Eastern Asia. *83rd Annual Meeting Society for American Archaeology*. Washington DC (USA), April 11-15, 2018.
22. Peresani M., C. Ravazzi, R. Pini, D. Margaritora, A. Cocilova, D. Delpiano, S. Bertola, **L. Castellano**, F. Fogliazza, G. Martino, C. nicosia, P. Sinom. The Gravettian site of Piovesello on the Northern Apennine watershed. Results from a geoarchaeological, archaeobotanic, palynological and archaeological investigation. *IV Annual Meeting of the Institute of Prehistory and Protohistory*. Ferrara (Italy), February 7-8, 2018.
23. **Castellano L.**, The Agricultural Economy during the Transition Between the Hittite and Post-Hittite Periods: New Evidence from Kınık Höyük. *10th International Congress of Hittitology*. Chicago (USA). August 28-September 1, 2017.
24. **Castellano L.**, C. Ravazzi, G. Furlanetto, R. Pini, F. Saliu, M. Lasagni, M. Orlandi, R. Perego, I. Degano, F. Valoti, R. C. de Marinis, S. Casini, T. Quirino, M. Rapi. Beekeeping at the site of Forcello near Bagnolo San Vito (Mantua): boats, rivers and honeybees in the pre-Roman agricultural landscape of Northern Italy. *LII Riunione Scientifica IIPP "Preistoria e Protostoria in Lombardia e Canton Ticino"*. Milan and Como (Italy), October 17-21, 2017.
25. Peresani M., A. Cocilova, **L. Castellano**, D. Delpiano, F. Fogliazza, D. Margaritora, G. Martino, R. Pini, C. Ravazzi. On the Apennine ridge. The human frequentation at the Piovesello open site 31 ky BP. *World of Gravettian Hunters*. Krakow (Poland), May 16-20, 2016.

26. Garozzo L., **L. Castellano**, C. Nicosia, R. Perego, R. Pini, C. Ravazzi. The protohistoric foundation of modern urban centers: microfossils evidence from underground deposits of two major cities in northern Italy. *WAMPAS "Analysis of Micro Particles in Archaeological Samples"*. Max Planck Institute for Evolutionary Anthropology, Leipzig (Germany), December 6-8, 2016.
27. **Castellano L.** Archaeological Computing. *NYU Digital Humanities Showcase*. New York University, New York City (USA), April 16, 2016.
28. Saliu F., **L. Castellano**, I. Degano, G. Furlanetto, R. Pini, C. Ravazzi, Beekeeping in Iron Age Northern Italy, a multi analytical investigation of honeycomb remains from the Etruscan site of Forcello. *XXV Congresso della Divisione di Chimica Analitica della Società Chimica Italiana*. Trieste (Italy), September 13-17, 2015.
29. Casini S., **L. Castellano**, F. Saliu, M. Tizzoni, Khalatoi iberici da Mediolanum e il commercio del miele nella tarda età del Ferro: analisi chimica dei residui organici. *Cinquantesima Riunione Scientifica dell'Istituto Italiano di Preistoria e Protostoria*. Rome (Italy), October 5-9, 2015.
30. Valle F., **L. Castellano**, R. Pini, M. Brunetti, C. Ravazzi. Testing models to reconstruct temperature and precipitation for Northern Italian pollen Holocene records. *Mediterranean Palynology Symposium GPSBI-APLE*. Rome (Italy), September 8-10, 2015.
31. Furlanetto, G., F. Badino, C. Ravazzi, R. perego, M. Baioni, **L. Castellano**, R. Comolli, N. Martinelli. Lake Lucone (N-Italy): an example of intermittent human activities and its effects on the environment during the last 5500 years. *Mediterranean Palynology Symposium GPSBI-APLE*. Rome (Italy), September 8-10, 2015.
32. Valle F., R. Pini, **L. Castellano**, M. Brunetti; M. De Amicis, G. Furlanetto, V. Maggi, C. Ravazzi. Reconstructing climate from natural archives: pollen-inferred temperature series for Holocene sequences in northern Italy. *PAGES conference: Climate variability and human impact in Central and Eastern Europe during the last two millennia*. Gdansk (Poland), June 17-19, 2015.
33. Pini R., **L. Castellano**, F. Badino, E. Champvillair, M. de Amicis, G. Furlanetto, V. Maggi, C. Ravazzi. From fossil pollen to climate: preliminary quantitative climate reconstructions for the last 3 ky in northern Italy. *Climate variability in Italy during the last two millennia - Italy 2k*. Rome (Italy), December 1-2, 2014.
34. Pini R., **L. Castellano**, C. Ravazzi, G. Raineri, F. Bona, B. Sala. First combined findings of in-situ fossil wood and pollen of *Parrotia persica* and cf. *Eucommia* sp. in late Early Pleistocene deposits from the northern Apennine fringe (N Italy). *9th European Palaeobotany and Palynology Conference*. Padua (Italy), August 26-31, 2014.
35. Furlanetto G., **L. Castellano**, F. Badino, R. Pini, C. Ravazzi, V. Maggi. When did the modern landscape emerge in the Northern Italy? Reconstructing the last 2k years landscape history by a multidisciplinary approach. *9th European Palaeobotany and Palynology Conference*. Padua (Italy), August 26-31, 2014.
36. Furlanetto G., F. Badino, M. Baioni, **L. Castellano**, N. Martinelli, R. Perego, C. Ravazzi. The intermittent phases of human impact imprint during the last 5500 years at Lake Lucone in N-Italy. *9th European Palaeobotany and Palynology Conference*. Padua (Italy), August 26-31, 2014.
37. Furlanetto G., C. Ravazzi, F. Badino, **L. Castellano**, M. Deaddis, B. Grassi, R. Perego, R. Pini. Early to Late Middle Age agricultural system changes in N-Italy as a main step towards the modern landscape. *Open PAGES Focus 4 Workshop on Human–Climate–Ecosystem interactions "Towards a more accurate quantification of human-environment- interactions in the past"*. Leuven (Belgium), February 3-7, 2014.
38. Ravazzi C., M. Zanon, F. Badino, **L. Castellano**, M. dal Corso, M. Deaddis, G. Furlanetto, R. Pini, R. Perego, T. Quirino, M. Rottoli, A. Tramelli, F. Valle, E. Vescovi, L. Wick. Bronze Age origin and development of

the rural landscape in the central Po Plain, N. Italy. *16th conference of the International Work Group for Palaeoethnobotany*. Thessaloniki (Greece), June 16-22, 2013.

39. Castellano L., M. Deaddis, D. Margaritora, C. Ravazzi, S. Casini, M. De Amicis, C. Fredella, R. C. de Marinis, M. Rapi, T. Quirino, M. Marchetti, R. Perego, M. Zanon. Forcello di Bagnolo San Vito (MN): Archaeology and paleoenvironment of an Etruscan harbour in Northern Italy. *18th Annual Meeting of the European Association of Archaeologists*. Helsinki (Finland), August 29-September 1, 2012.
40. Badino F., M. Baioni, L. Castellano, N. Martinelli, R. Perego, C. Ravazzi, Fondazione, sviluppo e abbandono dell'abitato palafitticolo dell'antica Età del Bronzo "Lucone D" (Polpenazze del Garda): dati palinostratigrafici di una successione esterna al sito archeologico e analisi di macroresti vegetali dai livelli archeologici. *Le Palafitte: ricerca, conservazione, valorizzazione*. Desenzano del Garda (Italy), October 6-8, 2011.

## ARCHAEOLOGICAL PROJECTS

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### Current

- (2015-ongoing) **Niğde-Kınık Höyük (Turkey)**. Multi-period site  
*Archaeologist / Archaeobotanist / Database Manager*  
Director(s): Marina Pucci (University of Florence), Lorenzo d'Alfonso (NYU-ISAW)
- (2022-ongoing) **Uşaklı Höyük (Turkey)**. Multi-period site.  
*Archaeobotanist*  
Director(s): Anacleto d'Agostino (University of Pisa)
- (2022-ongoing) **Porsuk-Zeyve Höyük (Turkey)**. Multi-period site  
*Archaeobotanist*  
Director(s): Eric Jean (Hitit Üniversitesi)
- (2022-ongoing) **Bash-Tepa (Uzbekistan)**. Iron Age site  
*Archaeobotanist (wood charcoal only)*  
Director(s): Sören Stark (NYU-ISAW)
- (2023-ongoing) **Ayanis (Turkey)**. Iron Age site  
*Archaeobotanist*  
Director(s): Mehmet Işikli (Atatürk Üniversitesi)
- (2023-ongoing) **Kimirek-Kum-1 (Uzbekistan)**. Late Bronze Age site  
*Archaeobotanist (wood charcoal only)*  
Director(s): Lynne M. Rouse (DAI), Sören Stark (NYU-ISAW)
- (2023-ongoing) **Dandanakan (Turkmenistan)**. Islamic site  
*Archaeobotanist*  
Director(s): Martina Rugiadi (Metropolitan Museum, New York), Paul Wordsworth (UCL)
- (2023-ongoing) **Kurd Qaburstan (Iraq)**. Bronze Age site  
*Archaeobotanist*  
Director(s): Tiffany Earley-Spadoni (UCF)
- (2024-ongoing) **Bekçitepe (Turkey)**. Chalcolithic site  
*Archaeobotanist*  
Director(s): Abdullah Hacı (Hitit Üniversitesi)

Past

- (2007 to 2013) **Forcello near Bagnolo San Vito (Italy)**. Etruscan Po-Plain settlement  
*Archaeologist / Archaeobotanist / Paleoenvironmental Studies*  
Director(s): Raffaele Carlo de Marinis (University of Milan)
- (2009 to 2013) **Camisana Valley (Bergamo Alps) (Italy)**. High-altitude survey and excavation  
*Archaeologist / Paleoenvironmental Studies*  
Director(s): Stefania Casini (Archaeological Museum, Bergamo)
- (2009 to 2015) **Temple of Pharaoh Amenhotep II (Luxor, Egypt)**. Temple and necropolis  
*Archaeologist*  
Director(s): Angelo Sesana (CEFB)
- (2015) **Bash-Tepa Survey project (Bukhara Oasis), (Uzbekistan)**  
*Archaeologist*  
Director(s): Sören Stark (NYU-ISAW)
- (2013) **Piovesello near Cassimoreno (Piacenza) (Italy)**. Upper Paleolithic campsite  
*Archaeobotanist (wood charcoal only)*  
Director(s): Marco Peresani (University of Ferrara); Cesare Ravazzi (CNR)
- (2013) **Milano, Via Sforza 15/Via Andreani 1 (Italy)**. Development-led excavation (CRM)  
*Archaeologist*  
Firm: Società Lombarda di Archeologia s.r.l.
- (2013) **Milan, Via Lupetta/Via della Palla (Italy)**. Development-led excavation (CRM)  
*Archaeologist*  
Firm: Società Lombarda di Archeologia s.r.l.
- (2012) **Aosta, Via Roma (Italy)**. Neolithic, Bronze Age and Iron Age settlement  
*Archaeobotanist (wood charcoal only)*  
Director(s): Sovrintendenza Archaeologica Regione Val d'Aosta; Cesare Ravazzi (CNR)
- (2012) **Bergamo, Palazzo Podesta (Italy)**. Multi-stratified site  
*Archaeobotanist (wood charcoal only)*  
Director(s): Sovrintendenza Archaeologica Lombardia; Cesare Ravazzi (CNR)
- (2012) **Le Fratte Near Fimon (Vicenza) (Italy)**. Neolithic settlement  
*Archaeobotanist (wood charcoal only)*  
Director(s): Sovrintendenza Archaeologica Veneto; Cesare Ravazzi (CNR)
- (2012) **Castel Arquato, Arda River (Piacenza) (Italy)**. Lower Pleistocene sequence  
*Archaeobotanist (wood charcoal only)*  
Director(s): Cesare Ravazzi (CNR)
- (2012) **Aosta, Viale Europa (Italy)**. Roman Age cremation necropolis  
*Archaeobotanist (wood charcoal only)*  
Director(s): Sovrintendenza Archaeologica Regione Val d'Aosta; Cesare Ravazzi (CNR)
- (2012) **Isola Dovarese (Cremona) (Italy)**. Development-led excavation (CRM)  
*Archaeologist*  
Firm: Archaema s.r.l.  
(2010 to 2012) **Aosta, Via Saint Martin de Corléans (Italy)**. Neolithic/Bronze Age megalithic site  
*Archaeobotanist (wood charcoal only)*  
Director(s): Sovrintendenza Archaeologica Regione Val d'Aosta; Cesare Ravazzi (CNR)

- (2011) **Dolzago, Santa Maria Assunta Church (Lecco) (Italy)**. Development-led excavation (CRM)  
*Archaeologist*  
Firm: Archaema s.r.l.
- (2009 to 2010) **Lake Lucone (Brescia) (Italy)**. Bronze Age pile-dwelling settlement  
*Archaeologist/ Archaeobotanist (wood charcoal only)*  
Director(s): Marco Baioni (Archaeological Museum, Gavardo)
- (2007 to 2012) **Lavagnone (Brescia) (Italy)**. Bronze Age pile-dwelling settlement. Archaeologist  
*Archaeologist / Paleoenvironmental Studies*  
Director(s): Raffaele Carlo de Marinis (University of Milan)
- (2006) **Orbetello Lagoon (Grosseto) (Italy)**. Survey  
*Archaeologist*  
Director(s): Giovanna Bonora Mazzoli (University of Milan)

## ACADEMIC SERVICE

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- Reviewer for Journal: *Nature Communications; Archaeological and Anthropological Science; Ethnobiology Letters; The Holocene; Quaternary; Vegetation History and Archaeobotany; Palynology; Mediterranean Geoscience Reviews; Studies in Conservation.*
- Reviewer for Books: *Springer.*
- Reviewer for Grant Proposals: *European Union ERC Advanced Grant; French National Research Agency.*

## FELLOWSHIPS & GRANTS

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- From 01-06-2023 to 30-11-2024: NYU Research Catalyst Prize. PI of the project "Archaeobotany at NYU and Agriculture in Ancient Anatolia" (15,000 USD).
- AY2020/2021: NYU Dean's Dissertation Writing Fellowship (full scholarship).
- From 2017 to 2022: ISAW research grants, lab expenses (cumulative 1,201.83 USD).
- 2017: ISAW research grant, archaeobotany lab establishment (indicative 8,925 USD).
- 2016: Antonina S. Ranieri International Scholars Fund Grant (1,000 USD).
- 2015: Mac Allister Fellowship - ASOR (1,000 USD).
- From 2015 to 2022: ISAW summer travel funds (cumulative 6,124.58 USD).
- From 2015 to 2022: ISAW travel conference funds (cumulative 1,808.21 USD).
- From 2015 to 2022: ISAW PhD fellowship (full scholarship).