

ALLEGATO A

UNIVERSITÀ DEGLI STUDI DI MILANO

Procedura di selezione per la chiamata a professore di II fascia da ricoprire ai sensi dell'art. 18, comma 1, della Legge n. 240/2010 per il settore concorsuale 04/A2, (settore scientifico-disciplinare Geo/01) presso il Dipartimento di Scienze della Terra Ardito Desio, Codice concorso 5046

[Paolo Piras] **CURRICULUM VITAE**

(N.B. IL CURRICULUM NON DEVE ECCEDERE LE 30 PAGINE E DEVE CONTENERE GLI ELEMENTI CHE IL CANDIDATO RITIENE UTILI AI FINI DELLA VALUTAZIONE.

LE VOCI INSERITE NEL FACSIMILE SONO A TITOLO PURAMENTE ESEMPLIFICATIVO E POSSONO ESSERE SOSTITUITE, MODIFICATE O INTEGRATE)

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	PIRAS
NOME	PAOLO
DATA DI NASCITA	[23, 08, 1975]

TITOLI

TITOLO DI STUDIO

(indicare la Laurea conseguita inserendo titolo, Ateneo, data di conseguimento, ecc.)

09-04-2002, University Degree in Natural Sciences at the University "La Sapienza" of Rome; evaluation: 110/110 e lode ; Degree Thesis : "Studio di un gavalide del Miocene inferiore del Pakistan sud-orientale" (A gavalid from Lower Miocene of south-eastern Pakistan), tutors: Prof. Daniela Esu and Prof. Anastassios Kotsakis.

TITOLO DI DOTTORE DI RICERCA O EQUIVALENTI, OVVERO, PER I SETTORI INTERESSATI, DEL DIPLOMA DI SPECIALIZZAZIONE MEDICA O EQUIVALENTE, CONSEGUITO IN ITALIA O ALL'ESTERO

(inserire titolo, ente, data di conseguimento, ecc.)

16-04-2007, Ph.D obtained at former Geological Sciences Department of Roma Tre University, Rome, Italy: Thesis title: Theoretical morphology of fossil and recent crocodiles skull by means of 3- and 2-dimensional geometric morphometrics. Tutor: Prof. Anastassios Kotsakis.

ALTRI TITOLI CONSEGUITI

(inserire titolo, ente, data di conseguimento, ecc.)

Habilitated as associate professor area 04/A2 (Paleontology), up to 13/05/2025

Habilitated as associate professor area 05/B1 (Anthropology and Zoology), sector up to 11/06/2030

ATTIVITÀ DIDATTICA

INSEGNAMENTI E MODULI

(inserire periodo [gg/mm/aa inizio e fine], anno accademico, corso laurea, numero di ore frontali, eventuale CFU)

2001-2002 ; 2002-2003: complementary modules of Botany and Geology as official guide of Natural Park “La Caffarella” at the “Diaz” and “Augusto” High School, Rome. 10 hours

Academic year 2009/2010. Lecturer on Evolutionary Theory in the context of Paleontology course at former Geological Sciences Department, Roma Tre University. 12 hours

Academic year 2010/2011. Lecturer on Evolutionary Theory in the context of Paleontology course at former Geological Sciences Dept., Roma Tre University. 12 hours

Academic year 2011/2012. Lecturer on Evolutionary Theory in the context of Paleontology course at Geological Sciences Dept., Roma Tre University. 12 hours

Academic year 2012/2013. 25-27/2/2013. “Corso base di R per scienze biologiche ed ambientali”. Sciences Department, Roma Tre University. 10 hours

Academic year 2013/2014. 7-17/4/2014. “Corso base di R per scienze biologiche ed ambientali”. Sciences Department, Roma Tre University. 15 hours

Academic year 2014/2015. “Introduction to Biostatistics”. Scuola di Palantropologia 2015. 22/02/2015 -27/02/2015, Perugia. 10 hours

Academic year 2014/2015. 4-8/5/2015. “R-The free software for Statistical Computing”. LAMS course hosted by Dipartimento di Matematica e Fisica, Università Roma Tre, Rome, Italy. 15 hours

Academic year 2017/2018. 6-27/2/2018. “Corso base di R per scienze biologiche ed ambientali”. Sciences Department, Roma Tre University, Rome, Italy. 15 hours

Academic year 2017/2018. 5-14/3/2018. “Geostatistical Analysis in R”. Dipartimento di Scienze della Terra dell’Ambiente e delle Risorse, Università Federico II, Napoli, Italy. 10 hours

“THIRD MISSION”

Scholastic year 2020-2021. Mathematics and Science (A028) at secondary school CPIA3 Roma, Italy.

Scholastic year 2021-2022. Mathematics and Science (A028) at secondary school CPIA3 Roma, Italy.

ATTIVITÀ DI DIDATTICA INTEGRATIVA E DI SERVIZIO AGLI STUDENTI

ATTIVITÀ DI RELATORE DI ELABORATI DI LAUREA, DI TESI DI LAUREA MAGISTRALE, DI TESI DI DOTTORATO

E DI TESI DI SPECIALIZZAZIONE

(inserire numero, anno accademico, ateneo, corso laurea, ecc.)

CO-TUTOR MASTER THESIS

Academic year 2005/2006. LUCCI Federico. "La morfometria geometrica in 2d applicata alla mandibola di Grandi Felidi attuali e del Plio-Pleistocene europeo", former Dipartimento di Scienze Geologiche (now Dipartimento di Scienze), Università Roma Tre.

Academic year 2007/2008. MAIORINO Leonardo. "Geometric Morphometrics Analysis in 2-dimensions applied to Skulls and Mandibles of Plio-Pleistocene Rhinoceroses of Europe", former Dipartimento di Scienze Geologiche (now Dipartimento di Scienze), Università Roma Tre.

SPANI Federica (2016). "Heterochely in Brachyurans: a Geometric Morphometrics approach", Dipartimento di Scienze, Università Roma Tre.

CO-TUTOR Ph.D THESIS

MAIORINO Leonardo (2014) XXVI ciclo - "Macroevolutionary pattern of Ceratopsia (Dinosauria, Ornithischia) and biomechanics: an integrated approach by means of Geometric Morphometrics and Finite Element Analysis", former Dipartimento di Scienze Geologiche (now Dipartimento di Scienze), Università Roma Tre.

SANSALONE Gabriele (2015) XXVII ciclo - "Systematics and evolutionary dynamics within Talpidae (Mammalia): phylogeny and functional morphology", former Dipartimento di Scienze Geologiche (now Dipartimento di Scienze), Università Roma Tre.

PANDOLFI Luca (2015) XXVII ciclo - "Systematics and evolution of Rhinocerotini", former Dipartimento di Scienze Geologiche (now Dipartimento di Scienze), Università Roma Tre.

ATTIVITÀ DI TUTORATO DEGLI STUDENTI DI CORSI DI LAUREA E DI LAUREA MAGISTRALE E DI TUTORATO DI DOTTORANDI DI RICERCA

(inserire anno accademico, corso laurea, ecc.)

CO-TUTOR MASTER THESIS

Academic year 2005/2006. LUCCI Federico. "La morfometria geometrica in 2d applicata alla mandibola di Grandi Felidi attuali e del Plio-Pleistocene europeo", former Dipartimento di Scienze Geologiche (now Dipartimento di Scienze), Università Roma Tre.

Academic year 2007/2008. MAIORINO Leonardo. "Geometric Morphometrics Analysis in 2-dimensions applied to Skulls and Mandibles of Plio-Pleistocene Rhinoceroses of Europe", former Dipartimento di Scienze Geologiche (now Dipartimento di Scienze), Università Roma Tre.

SPANI Federica (2016). "Heterochely in Brachyurans: a Geometric Morphometrics approach", Dipartimento di Scienze, Università Roma Tre.

CO-TUTOR Ph.D THESIS

MAIORINO Leonardo (2014) XXVI ciclo - “Macroevolutionary pattern of Ceratopsia (Dinosauria, Ornithischia) and biomechanics: an integrated approach by means of Geometric Morphometrics and Finite Element Analysis”, former Dipartimento di Scienze Geologiche (now Dipartimento di Scienze), Università Roma Tre.

SANSALONE Gabriele (2015) XXVII ciclo - “Systematics and evolutionary dynamics within Talpidae (Mammalia): phylogeny and functional morphology”, former Dipartimento di Scienze Geologiche (now Dipartimento di Scienze), Università Roma Tre.

PANDOLFI Luca (2015) XXVII ciclo - “Systematics and evolution of Rhinocerotini”, former Dipartimento di Scienze Geologiche (now Dipartimento di Scienze), Università Roma Tre.

SEMINARI

(inserire titolo del seminario, luogo, data, ecc.)

INVITED CONFERENCES

I coccodrilli italiani. 3-4-2003. Museo Civico di Zoologia, Roma.

I grandi mammiferi del plio-pleistocene italiano: un approccio macroevolutivo. 17-2-2005 - Museo Civico di Zoologia, Roma.

La paleobiologia evolutiva: casi studio. 12-2-2009 - Museo Civico di Zoologia, Roma.

Shaping the shape changes: statistical motion analysis for soft matter. Mechanics in Biology Workshop @ GSSI - Gran Sasso Science Institute May, 6-9/5/ 2014 L'Aquila, Italy.

La meccanica cardiaca e lo studio della forma: Special Session: “Dalla paleontologia alla medicina”. Annual Meeting Istituto Italiano di Antropologia 11-13/12/2014. Roma, Italy

4D Cardiac mechanics and shape analysis: from basic research to clinics. Ambulatorio di Cardiologia, Padiglione San Luca Vecchio, Ospedale Careggi, 22/11/2017.

Moderni metodi di analisi delle traiettorie ontogenetiche in antropologia. “Darwin day 2018: Il posto dell'Uomo nella Scienza Moderna”. Società dei Naturalisti, Napoli, 5-3-2018.

La Morfometria Geometrica applicata ai beni culturali: il caso dell'effigie in bronzo di Michelangelo ad opera di Daniele da Volterra. Galleria dell'Accademia di Firenze, 21-2-2022. Firenze, Italy

ATTIVITÀ DI RICERCA SCIENTIFICA

PUBBLICAZIONI SCIENTIFICHE

(per ciascuna pubblicazione indicare: nomi degli autori, titolo completo, casa editrice, data e luogo di pubblicazione, codice ISBN, ISSN, DOI o altro equivalente)

1) Kotsakis T., Delfino M. & Piras P. (2004) - Italian Cenozoic crocodilians: taxa, timing and palaeobiogeographic implications. *Palaeogeography Palaeoclimatology Palaeoecology*, 210: 67-87. <https://doi.org/10.1016/j.palaeo.2004.03.013> IF: 1.974

- 2) Rook L., Abbazzi L., Angelone C., Arca M., Barisone G., Bedetti C., Delfino M., Kotsakis T., Marcolini F., Palombo M.R., Pavia M., Piras P., Torre D., Tuveri C., Valli A. & Wilkens B. (2004) - Osservazioni preliminari sui vertebrati fossili plio-pleistocenici del Monte Tuttavista (Orosei, Sardegna). *Sardinia Corsica et Baleares Antiquae*, 1: 11-29. Istituti editoriali e poligrafici internazionali ; Fabrizio Serra, Pisa-Roma, 2003.] <http://digital.casalini.it/10.1400/20514>
- 3) Abbazzi L., Angelone C., Arca M., Barisone G., Bedetti C., Delfino M., Kotsakis T., Marcolini F., Palombo M.R., Pavia M., Piras P., Rook L., Torre D., Tuveri C., Valli A. & Wilkens B. (2004) - Plio-Pleistocene fossil vertebrates of Monte Tuttavista (Orosei, E. Sardinia, Italy), an overview. *Rivista Italiana di Paleontologia e Stratigrafia*, 110: 681-706. <https://doi.org/10.13130/2039-4942/5832> IF: 0.394
- 4) Piras P. & Kotsakis T. (2005) - A new gavialid from the Early Miocene of south-eastern Pakistan (Preliminary Report). *Rendiconti della Società Paleontologica Italiana*, 2: 201-207.
- 5) Raia P., Piras P. & Kotsakis T. (2005) - Turnover pulse or Red Queen? Evidence from the large mammal communities during the Plio-Pleistocene of Italy. *Palaeogeography Palaeoclimatology Palaeoecology*, 221: 293-312. [10.1016/j.palaeo.2005.02.014](https://doi.org/10.1016/j.palaeo.2005.02.014) IF: 1.899
- 6) Kotsakis T., Argenti P., Barisone G., Delfino M., Palombo M.R., Pavia M. & Piras P. (2005) - Il Paleogene: i vertebrati continentali. In: Bonfiglio L. (Ed.), *Paleontologia dei Vertebrati in Italia, Memorie del Museo Civico di Storia Naturale di Verona*, s. 2, Scienze della Terra, 6: 131-139.
- 7) Raia P., Piras P. & Kotsakis T. (2006) - Detection of Plio-Quaternary large mammal communities of Italy: integration to biochronology. *Quaternary Science Reviews*, 25: 846-854. <https://doi.org/10.1016/j.quascirev.2005.07.010> IF: 4.113
- 8) Delfino M., Piras P. & Smith T. (2005) - Anatomy and phylogeny of the gavialoid crocodylian *Eosuchus lerichei* from the Paleocene of Europe. *Acta Palaeontologica Polonica* ISSN 0567-7920, eISSN 1732-2421, 50: 565-580. IF: 1.204
- 9) Piras P. & Buscalioni A. (2006) - *Diplocynodon muelleri* comb. nov., an Oligocene diplocynodontine alligatoroid from Catalonia (Ebro Basin, Lleida province, Spain). *Journal of Vertebrate Paleontology*, 26: 608-620. [https://doi.org/10.1671/0272-4634\(2006\)26\[608:DMCNAO\]2.0.CO;2](https://doi.org/10.1671/0272-4634(2006)26[608:DMCNAO]2.0.CO;2) IF: 1.418
- 10) Piras P., Delfino M., Del Favero L. & Kotsakis T. (2007) - Phylogenetic position of *Megadontosuchus arduini* and *tomistomines* palaeobiogeography. *Acta Palaeontologica Polonica* ISSN 0567-7920, eISSN 1732-2421, 52: 315-328. IF: 1.067
- 11) Meloro C., Raia P., Piras P., Barbera C. & O'Higgins P. (2008) - The shape of the mandibular corpus in large fissiped carnivores: allometry, function and phylogeny. *Zoological Journal of the Linnean Society*, 154: 832-845. <https://doi.org/10.1111/j.1096-3642.2008.00429.x> IF: 2.098
- 12) Piras P., Marcolini F., Raia P., Curcio M.T. & Kotsakis T. (2009) - Testing evolutionary stasis and trends in first lower molar shape of extinct Italian populations of *Terricola savii* (Arvicolidae, Rodentia) by means of geometric morphometrics. *Journal of Evolutionary Biology*, 22: 179-191. [10.1111/j.1420-9101.2008.01632.x](https://doi.org/10.1111/j.1420-9101.2008.01632.x) IF: 3.816
- 13) Piras P., Teresi L., Buscalioni A.D. & Cubo J. (2009) - The shadow of forgotten ancestors differently constrains the fate of Alligatoroidea and Crocodyloidea. *Global Ecology and Biogeography*, 18: 30-40. <https://doi.org/10.1111/j.1466-8238.2008.00426.x> IF: 5.913
- 14) Marcolini F., Piras P. & Martin R. (2009) - Testing evolutionary dynamics on first lower molars of Pliocene *Ogmodontomys* (Arvicolidae, Rodentia) from the Meade Basin of Southwestern Kansas (USA): a landmark-based approach. *Palaios*, 24: 535-543. <https://doi.org/10.1111/j.1466-8238.2008.00426.x> IF: 1.489

- 15) Raia P., Carotenuto F., Meloro C., Piras P., Barbera C. & Kotsakis T. (2009) - More than three million years of community evolution. The temporal and geographical resolution of the Plio-Pleistocene Western Eurasia mammal faunas. *Palaeogeography Palaeoclimatology Palaeoecology*, 276: 15-23. <https://doi.org/10.1016/j.palaeo.2009.02.005> IF: 2.646
- 16) Raia P., Carotenuto F., Meloro C., Piras P. & Pushkina D. (2010) - The shape of contention. Adaptation, history, and contingency in ungulate mandibles. *Evolution*, 64: 1489-1503. 10.1111/j.1558-5646.2009.00921.x IF: 5.659
- 17) Piras P., Marcolini F., Raia P., Curcio M.T. & Kotsakis T. (2010) - Ecophenotypic variation and phylogenetic inheritance in first lower molar shape of extant Italian populations of *Microtus* (*Terricola*) *savii* (Rodentia). *Biological Journal of the Linnean Society*, 99: 632-647. 10.1111/j.1558-5646.2009.00921.x IF: 2.166
- 18) Piras, P., Colangelo P., Adams D.C., Buscalioni A., Cubo J., Kotsakis T., Meloro C. & Raia P. (2010) - The *Gavialis*-*Tomistoma* debate: the contribution of skull ontogenetic allometry and growth trajectories to the study of crocodylian relationships. *Evolution and Development*, 12: 568-579. 10.1111/j.1525-142X.2010.00442.x IF: 3.075
- 19) Piras P., Maiorino L., Raia P., Marcolini F., Salvi D., Vignoli L. & Kotsakis T. (2010) - Functional and phylogenetic constraints in *Rhinocerotinae* cranio-dental morphology. *Evolutionary Ecology Research*, 12: 897-928. Tucson, AZ 85710 USA IF: 1.507
- 20) Buscalioni A.D., Piras P., Signore M., Vullo, R. & Barbera C. (2011) - Early Eusuchia Crocodylomorpha from the vertebrate-rich plattenkalk of Pietraroia (lower Albian, Southern Apennines, Italy). *Zoological Journal of the Linnean Society*, 163: S199-S227. <https://doi.org/10.1111/j.1096-3642.2011.00718.x> IF: 2.433
- 21) Raia, P., Carotenuto F., Meloro C., Piras P. & Barbera C. (2011) - Species accumulation over space and time in European Plio-Holocene mammals. *Evolutionary Ecology*, 25: 171-188. <https://doi.org/10.1007/s10682-010-9392-3> IF: 2.453
- 22) Marcolini F., Piras P., Kotsakis T., Claude J., Michaux J., Ventura J. & Cubo J. (2011) - Phylogenetic signal and functional significance of incisor enamel microstructure in *Arvicola* (*Arvicolinae*, Rodentia, Mammalia). *Comptes Rendus Palevol*, 10: 479-487. <https://doi.org/10.1016/j.crpv.2011.04.007> IF: 1.043
- 23) Piras P., Salvi D., Ferrara G., Maiorino L., Delfino M., Pedde L. & Kotsakis T. (2011) - The role of post-natal ontogeny in the evolution of phenotypic diversity in *Podarcis* lizards. *Journal of Evolutionary Biology*, 24: 2705-2720. 10.1111/j.1420-9101.2011.02396.x IF: 3.276
- 24) Piras P., Sansalone G., Teresi L., Kotsakis T., Colangelo P. & Loy A. (2012) - Testing convergent and parallel adaptations of talpids humerus mechanical performance by means of Geometric Morphometrics and Finite Element Analysis. *Journal of Morphology*, 273: 696-711. 10.1002/jmor.20015 IF: 1.602
- 25) Piras P., Marcolini F., Claude J., Ventura J., Kotsakis T. & Cubo J. (2012) - Ecological and functional correlates of molar shape variation in European populations of *Arvicola* (*Arvicolinae*, Rodentia). *Zoologischer Anzeiger*, 251: 335-343. <https://doi.org/10.1016/j.jcz.2011.12.002> IF: 1.4
- 26) Piras P., Sansalone G., Marcolini F., Tuveri C., Arca M. & Kotsakis T. (2012) - Evolutionary trends and stasis in molar morphology of *Rhagapodemus*-*Rhagamys* lineage in the Pleistocene of Sardinia. *Rivista Italiana di Paleontologia e Stratigrafia*, 118: 535-543. <https://doi.org/10.13130/2039-4942/6018> IF: 0.517
- 27) Raia P., Carotenuto F., Passaro F., Piras P., Fulgione D., Werdelin L., Saarinen J. & Fortelius M. (2013) - Rapid action in the Palaeogene, the relationship between phenotypic and taxonomic diversification in Cenozoic mammals. *Proceedings of the Royal Society B*, 280: 20122244. <https://doi.org/10.1098/rspb.2012.2244> IF: 5.292

- 28) Piras P., Maiorino L., Teresi L., Meloro C., Raia P., Lucci F. & Kotsakis T. (2013) - Bite of the Cats: Relationships between functional integration and mechanical performance as revealed by mandible geometry. *Systematic Biology*, 62:878-900. <https://doi.org/10.1093/sysbio/syt053> IF: 11.532
- 29) Maiorino L., Farke AA., Kotsakis T. & Piras P. (2013). Is *Torosaurus Triceratops*? Geometric morphometric evidence of late Maastrichtian ceratopsid dinosaurs. *PLOS ONE*, vol. 8, ISSN: 1932-6203, doi: 10.1371/journal.pone.0081608 IF: 3.504
- 30) Maiorino L., Farke A.A., Piras P., Ryan M.J., Terris K.M. & Kotsakis T. (2013) - The evolution of squamosal shape in ceratopsid dinosaurs (Dinosauria, Ornithischia). *Journal of Vertebrate Paleontology*, 33: 1385-1393. <https://doi.org/10.1080/02724634.2013.779922> IF: 2.037
- 31) Piras P., Buscalioni A.D., Teresi L., Raia P., Sansalone G., Kotsakis T. & Cubo J. (2014) - Morphological integration and functional modularity in the crocodilian skull. *Integrative Zoology*, 9: 498-516. doi: 10.1111/1749-4877.12062. IF: 1.904
- 32) Piras P., Evangelista A., Gabriele S., Nardinocchi P., Teresi L., Torromeo C., Schiariti M., Varano V. & Puddu P.E. (2014) - 4D-Analysis of left ventricular heart cycle using Procrustes Motion Analysis. *PLoS ONE*, 9(1): e86896. doi:10.1371/journal.pone.0086896. IF: 3.234
- 33) Torromeo C., Evangelista A., Schiariti M., Puddu P.E., Pandian N.G., Nardinocchi P., Varano V., Gabriele S., Teresi L. & Piras P. (2014) - Torsional correlates for End Systolic Volume Index in adult healthy subjects. *International Journal of Applied Science and Technology*, 4(4): 11-23.
- 34) Evangelista A., Gabriele S., Nardinocchi P., Piras P., Puddu P.E., Teresi L., Torromeo C. & Varano V. (2015) - Non-invasive assessment of functional strain lines in the real human left ventricle via speckle tracking echocardiography. *Journal of Biomechanics*, 48: 465-471. 10.1016/j.jbiomech.2014.12.028 IF: 2.431
- 35) Evangelista A., Gabriele S., Nardinocchi P., Piras P., Puddu P.E., Teresi L., Torromeo C. & Varano V. (2015) - Continuum mechanics meets echocardiography imaging: investigation on the principal strain lines in human left ventricle. In: Tavares J.M.R.S., Natal Jorge R. (Eds), *Development in Medical Image Processing and Computational Vision, Lecture Notes in Computational Vision and Biomechanics 19*, Springer International Publishing, pp. 41-54. BOOK contribution indexed in Scopus. 10.1007/978-3-319-13407-9_3
- 36) Madeo A., Piras P., Re F., Gabriele S., Nardinocchi P., Teresi L., Torromeo C., Chialastri C., Schiariti M., Giura G., Evangelista A., Dominici T., Varano V., Zachara E. & Puddu P.E. (2015) - A new 4D trajectory-based approach unveils abnormal LV Revolution Dynamics in Hypertrophic Cardiomyopathy. *PLoS ONE*, 10(4): e0122376. doi:10.1371/journal.pone.0122376. IF: 3.057
- 37) Varano V., Gabriele S., Teresi L., Dryden I., Puddu P., Torromeo C., Piras P. (2015) - Comparing shape trajectories of biological soft tissues in the size-and-shape space. In: *Biomat 2014, International Symposium on Mathematical and Computational Biology*, pp. 351-365. https://doi.org/10.1142/9789814667944_0023
- 38) Maiorino L., Farke A.A., Kotsakis T. & Piras P. (2015) - Males resemble females: Re-evaluating sexual dimorphism in *Protoceratops andrewsi* (Neoceratopsia, Protoceratopsidae). *PLoS ONE*, 10(5): e0126464. doi:10.1371/journal.pone.0126464 IF: 3.057
- 39) Sansalone G., Kotsakis T., Piras P. (2016) - New systematic insights about Plio-Pleistocene moles from Poland. *Acta Palaeontologica Polonica*, 61:221-229. Doi: <http://dx.doi.org/10.4202/app.00116.2014>. IF: 1.565
- 40) Gabriele S., Teresi L., Varano V., Nardinocchi P., Piras P., Esposito G., Puddu P.E. & Torromeo C. (2016) - Mechanics-based analysis of the left atrium via echocardiographic imaging. In: Tavares J.M.R.S. & Natal Jorge R.M. (Eds), *Proceedings of the 5th Eccomas Thematic Conference on Computational Vision and Medical Image Processing (ViPIMAGE 2015, Tenerife, Spain, October 19-21, 2015)*, pp. 267-271. BOOK contribution indexed in Scopus. <https://doi.org/10.1201/b19241>

- 41) Pandolfi L., Gasparik M., Piras P. 2015. Earliest occurrence of “Dihoplus” megarhinus (Mammalia, Rhinocerotidae) in Europe (Late Miocene, Pannonian Basin, Hungary): Palaeobiogeographical and biochronological implications. *Annales de Paléontologie* 101: 325-339. <https://doi.org/10.1016/j.annpal.2015.09.001> IF: 0.894
- 42) Sansalone G., Kotsakis T. & Piras P. (2015). *Talpa fossilis* or *Talpa europaea*? Using geometric morphometrics and allometric trajectories of humeral moles remains from Hungary to answer a taxonomic debate. *Palaeontologia Electronica* 18.2.42A: 1-17. <https://doi.org/10.26879/560> IF: 1.234
- 43) Maiorino L., Farke A.A., Kotsakis T., Teresi L. & Piras P. (2015) - Variation in the shape and mechanical performance of the lower jaws in ceratopsid dinosaurs (Ornithischia, Ceratopsia). *Journal of Anatomy*, 227: 631-646. <https://doi.org/10.1111/joa.12374> IF: 2.154
- 44) Piras P., Sansalone G., Teresi L., Moscato M., Profico A., Eng R., Cox T. C., Loy A., Colangelo P. & Kotsakis T. (2015) - Digging adaptation in insectivorous subterranean eutherians. The enigma of *Mesoscalops montanensis* unveiled by geometric morphometrics and finite element analysis. *Journal of Morphology*, 276: 1157-1171. [10.1002/jmor.20405](https://doi.org/10.1002/jmor.20405) IF: 1.521
- 45) Raia P., Passaro F., Carotenuto F., Maiorino L., Piras P., Teresi L., Meiri S., Itescu Y., Novosolov M., Baiano M.A., Martinez R. & Fortelius M. (2015) - Cope's rule and the universal scaling law of ornament complexity. *The American Naturalist*, 186: 165-175. <https://doi.org/10.1086/682011> IF: 3.148
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ORGANIZZAZIONE, DIREZIONE E COORDINAMENTO DI CENTRI O GRUPPI DI RICERCA NAZIONALI E INTERNAZIONALI O PARTECIPAZIONE AGLI STESSI

(per ciascuna voce inserire anno, ruolo, gruppo di ricerca, ecc.)

I have been the founder of the Center of Evolutionary Ecology between the former Geological Science Department at Roma Tre University and STAT Department at University of Molise. This structure aims to study the evolutionary process from a multidisciplinary point of view: from Paleobiology to zoology, from botany to molecular biology. Only an integrated study of evolutionary phenomena can unveil their underlying mechanisms that of course result from the interplay of phylogeny, form, function and molecular evolution.

ATTIVITÀ QUALI LA DIREZIONE O LA PARTECIPAZIONE A COMITATI EDITORIALI DI RIVISTE SCIENTIFICHE

(per ciascuna voce inserire anno, ruolo, rivista scientifica, ecc.)

ACADEMIC EDITOR

PlosOne: 3/6/2017-Present

Symmetry: 13/1/2021-Present

TITOLARITÀ DI BREVETTI

(per ciascun brevetto, inserire autori, titolo, tipologia, numero brevetto, ecc.)

NA

PREMI E RICONOSCIMENTI NAZIONALI E INTERNAZIONALI PER ATTIVITÀ DI RICERCA

(inserire premio, data, ente organizzatore, ecc.)

- 27-2-2005/12-3-2005: SYNTHESYS GRANT WINNER for visiting the London Museum of Natural History
- 21-3-2005/1-4-2005: SYNTHESYS GRANT WINNER for visiting the Institut Royal des Sciences Naturelles, Bruxelles
- 25-4-2005/6-5-2005: SYNTHESYS GRANT WINNER for visiting the Museum National d'Histoire Naturelle, Paris

PARTECIPAZIONE IN QUALITÀ DI RELATORE A CONGRESSI E CONVEGNI DI INTERESSE INTERNAZIONALE

(inserire titolo congresso/convegno, data, ecc.)

WORKSHOPS

- I Workshop on geometric morphometrics at Museu de Ciencias Naturales Facultad de Ciencias Universidade de Lisboa; 6,7,10-5-2004.

- I have been the organizer of the Geometric Morphometrics Laboratory for Systematics and Evolutionary Researches hosted by STAT Dept., Molise University, Isernia, 1-5/2/2010.

- Mechanics in Biology Workshop @ GSSI - Gran Sasso Science Institute May, 6-9, 2014 L'Aquila, Italy.

- Biomat 2014. Stefan Banach International Mathematical Center/Institute of Mathematics/Polish Academy of Sciences, Bedlewo, near Poznan, Poland, November, 02 - 08, 2014.

- Scuola di Paleoantropologia 2015. 22/02/2015 -27/02/2015 Perugia.

ATTIVITÀ GESTIONALI, ORGANIZZATIVE E DI SERVIZIO

INCARICHI DI GESTIONE E AD IMPEGNI ASSUNTI IN ORGANI COLLEGIALI E COMMISSIONI, PRESSO RILEVANTI ENTI PUBBLICI E PRIVATI E ORGANIZZAZIONI SCIENTIFICHE E CULTURALI, OVVERO PRESSO L'ATENEO O ALTRI ATENEI

(inserire incarico/impegno, ente, data, ecc.)

NA

ATTIVITÀ CLINICO ASSISTENZIALI

(indicare, data, durata, ruolo, ente presso il quale si è prestata attività assistenziale, ecc.)

NA

Data

03-09-2022

Luogo

ROMA