

1. **Family name:** Attorre
2. **First name:** Fabio
3. **Date of birth:** 30/07/1969
4. **Nationality (passport holder):** Italian
5. **Education:**

Institution (Date from - Date to)	Degree(s) or Diploma(s) obtained:
Sapienza University of Roma – Faculty of Science (1989 – 1993)	Master Science Degree in Botany –Remote Sensing application for vegetation mapping
Sapienza University of Rome – Faculty of Science (1996-2000)	PhD in Botany –GIS applications for biodiversity conservation and landscape planning in the urban ecosystem of Rome

**6. Language Skills Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)**

Language	Reading	Speaking	Writing
Italian (mother language)	1	1	1
English	1	1	1
France	1	2	2
Spanish	1	2	2

**7. Academic appointments:**

From 2013. Member of the Board of the Research Centre “Cooperazione con l'Eurasia, il Mediterraneo e l'Africa sub sahariana” (CEMAS) – Sapienza University of Rome

From 2007. Member of Commission of the PhD school in Botany (Currently Environmental and Evolutionary Biology) – Sapienza University of Rome

From 2016. Member of the Council of the of the Botanical Garden of Rome, Sapienza University of Rome

From 2017. Guest Editor Rendiconti Lincei

From 2013. Guest Editor of Plant Biosystems

From 2011. Member of the Editorial Board of Annali di Botanica

2014/2016. Vice-Director of the Botanic Garden of Rome, Sapienza University of Rome

From 2019. Director of the Botanic Garden of Sapienza University of Rome

**8. Research Activities**

- 25 years of experience in the field of vegetation studies, biodiversity and habitat conservation and monitoring, protected areas management, climate change impact analyses, ecosystem restoration, invasive alien species management.
- 15 years of experience in systematic and systemic conservation planning (SSCP), site selection implementation and mapping of species and habitats in Europe (Italy and Albania, with particular reference to the Habitat Directive 92/43/EEC) and in other parts of the world (Ecuador-Galapagos Archipelago, Yemen-Socotra Archipelago, South Africa, Mozambique, Swaziland, Zimbabwe, Albania, Montenegro, Papua New Guinea, Tunisia, Dominica Republic)
- Expert skills in preparation, elaboration and implementation of management plans for protected areas and Natura2000 sites.
- Good capacity as multidisciplinary team leader for the integration of thematic information aimed at systemic and systematic planning purposes.
- Expertise in vegetation survey, use of data-logger and instruments for environmental monitoring, chemical, physical and biological analysis on soil samples, experience in the use of GPS and other topographic instruments.

- Expertise in developing Web-GIS and applications for smartphone and tablets for monitoring and spreading information on species and habitats.
- Expertise on the use of Open Foris – Collect Earth and Collect Mobile for Land Assessment and National Forest Inventory at Global level and at national level in Papua New Guinea, Mozambique, Swaziland, South Africa and Socotra Archipelago (Yemen)

## 9. International experience

Country
Albania
Ecuador
Greece
Montenegro
Mozambique
Papa New Guinea
South Africa
Tunisia
Yemen
Zimbabwe

## 10. Teaching Experience

From 2009 “GIS and Thematic Mapping” – MSc in Natural Sciences, Sapienza University of Rome – Faculty of Mathematics, Physics, and Natural Sciences

From 2010 “Ecosystem Approach for the Conservation of Biodiversity” MSc in Eco-Biology, Sapienza University of Rome – Faculty of Mathematics, Physics, and Natural Sciences y of Rome

I have supervised 7 PhD and 18 MSc theses.

## 11. Society memberships, Awards and Honors

From 2010. Member of the Ecosystem Management Commission of the International Union for the Conservation of Nature

From 2016 Member of the Steering Committee of the European Vegetation Survey Group of the International Association of Vegetation Science

From 2015 Member of the Steering Committee of Global Index of Vegetation Databases of the International Association of Vegetation Science

2013-2015 Member of the Steering Committee of the Italian Society of Vegetation Science

From 2014 Focal point of the FAO Mountain Partnership

From 2012 Member of the Roster of Experts of the UN Convention to Combat Desertification

From 2013 Member of the Scientific Committee of the National Biodiversity Network of Italy

From 2016 Member of the Scientific Committee of the National Biodiversity Network of Albania

From 2014 Member of the EU working group for assessing the conservation status and values of favorable reference for the European Habitats (Habitat Directive)

From 2009. Scientific responsible of the Environmental Programmes promoted by the Italian Development Cooperation with the participation to International Fora and Conferences: IUCN World Conference, Barcelona (Spain) 2009; Global Island Partnership, Auckland

(New Zealand) 2010; IUCN World Conference, Jeju (South Korea) 2012; CBD-COP, Hyderabad (India) 2012; UNCCD-COP, Windhoek (Namibia) 2013, UNFCCC-COP, Marrakesh (Morocco) 2016.

## 12. Funding Information [grants as PI-principal investigator or I-investigator]

15 projects for a total Grant Value of 4.190.841 (Four million one hundred ninety thousand Euros) for the last 8 years

N	Date	Location	Company & Reference	Position	Description	Grant Value
17	07/2018 ongoing	Italy, Greece	Life PRIMED Hellenic Society for the Protection of Nature  Ref: Vito Cambria cambriavito@yahoo.it	Scientific coordinator	Restoration, management and Valorization of the Priority Habitats of the Mediterranean Coastal Areas	854.239
16	03/2018-10/2018	Yemen	Integrated Programme for the Conservation and Development of Socotra Archipelago  Ref: Uwe Zajanz Uwe.Zajanz@senckenberg.de	Scientific coordinator	Land assessment of Socotra Archipelago for the sustainable development using Open Foris – Collect Earth	25.000
15	08/2016-ongoing	Papua New Guinea	Food and Agriculture Organization  Ref: Danilo Mollicone <a href="mailto:Danilo.mollicone@fao.org">Danilo.mollicone@fao.org</a>	Scientific coordinator	National Forest Inventory of Papua New Guinea Tropical Forests also using Open Foris tool: Collect Earth and collect Mobile	50.000
14	10/03/2015 ongoing	Mozambique	Italia Development Cooperation  Ref: Mauro Ghirotti <a href="mailto:mauro.ghirotti@esteri.it">mauro.ghirotti@esteri.it</a>	Scientific coordinator	Conservation and equitable use of biological diversity in the SADC region: from geographic information system (GIS) to spatial systemic decision support system. The project entails the land assessment of Mozambique, Swaziland and South Africa using the Open Foris – Collect Earth	2.678.354
13	03-09/2015	Southern Africa	Food and Agriculture Organization  Ref: Danilo Mollicone <a href="mailto:Danilo.mollicone@fao.org">Danilo.mollicone@fao.org</a>	Scientific Coordinator	Global Dryland Forest Assessment using Open Foris - Collect Earth	24.900
12	04/01/2016 -ongoing	Albania	EU (European Union)  Ref: Caterina Carugati <a href="mailto:caterina.carugati@itacalbania.org">caterina.carugati@itacalbania.org</a>	Scientific coordinator	“IPA 2013 - Strengthening national capacity in nature protection – preparation for Natura 2000 network” (Albania):	507.700
11	06/2014-11/2017	Italy	Life Program University of Trieste - Italy	Scientific coordinator –	Cs-Mon Life+ Project	120.000

			Ref: Stefano Martellos <a href="mailto:martels@uniti.it">martels@uniti.it</a>	botanist	The project is aimed at involving citizens in monitoring alien and endangered species and assessing their conservation status and the effect of climate change on their distribution.	
10	12/2014-11/2015	Papua New Guinea	Food and Agriculture Organization  Ref: Danilo Mollicone <a href="mailto:Danilo.mollicone@fao.org">Danilo.mollicone@fao.org</a>	Scientific coordinator – botanist	National Forest Inventory of Papua New Guinea Tropical Forests  The project is aimed at the identification and application of monitoring methodology for assessing plant species diversity within the National Forest Inventory of Papua New Guinea.	100.000
9	01/2013 - 03/2014	Rome - Italy	Lazio Region- Italy Omnithec S.r.l.	Scientific coordinator – botanist	Development of an App for Smartphones and Tablets for the natural and cultural heritage of historical parks and gardens of Rome	75.000
8	01/ 2013 – 03/2015	Limpopo river basin (Mozambique, South Africa, Botswana, Zimbabwe)	United Nation Convention to Combat Desertification  Ref: Valter Sven <a href="mailto:SWalter@unccd.int">SWalter@unccd.int</a>	Scientific coordinator- GIS and climate change expert	Special Initiative for Africa  The project was aimed at developing institutional capacity for dealing with desertification and climate change effects in the Limpopo basin	20.000
7	11/2011 – 04/2015	Albania	International Union for Conservation of Nature  Ref: Boris Erg <a href="mailto:Boris.erg@iucn.org">Boris.erg@iucn.org</a>	Scientific coordinator – botanist	Institutional Support to the Albanian Ministry of Environment, Forest and Water Administration (MoEFWA) for Sustainable Biodiversity Conservation and Use in Protected Areas	78.600
6	11/2010-12/2011	Yemen	General Directorate for the Development Cooperation, Italian Ministry of Foreign Affairs  Ref: alfredo.guillet <a href="mailto:alfredo.guillet@esteri.it">alfredo.guillet@esteri.it</a>	Scientific coordinator – botanist – GIS expert	Integrated program for capacity building, socio economic development and biodiversity	116.650

					conservation of the Socotra Archipelago (Yemen)	
5	11/2010-12/2012	Italy	Italian Ministry of Environment  Ref: Valerio Sbordoni <a href="mailto:valerio.sbordoni@uniroma2.it">valerio.sbordoni@uniroma2.it</a>	Scientific coordinator – botanist – GIS expert	Italian National Biodiversity Network  The project was aimed at creating the National Biodiversity Network of Italy.	131.537
4	01/2011 – 03/2012	Lazio Region – Italy	Peretti Foundation	Scientific coordinator – botanist	Ecological Restoration Plan for Palo Laziale Site of Community Importance (Natura 2000)	51.000
3	03/2010 – 11/2011	Yemen	United Nation Development Program	Scientific coordinator – botanist – GIS expert	Integrated program for capacity building, socio economic development and biodiversity conservation of the Socotra Archipelago (Yemen).	95.000
2	03/2009-04/2012	South Africa, Mozambique, Zimbabwe	International Union for Conservation of Nature  Ref: Marco Falcetta <a href="mailto:marco.falcetta@progesconsulting.it">marco.falcetta@progesconsulting.it</a>	Scientific coordinator, GIS and alien species and protected areas management	Limpopo Transboundary Programme	37.000
1	12/2008 – 11/2009	Italy	Italian Ministry of Environment	Botanists, GIS and climate change expert	Biorefugia  Identification of potential “Biorefugia” areas for Italian tree species under climate change scenarios.	120.000

### 13. Publications, 2020-2009

1. Chytrý, M., Tichý, L., Hennekens, S. M., Knollová, I., Janssen, J. A., Rodwell, J. S., Attorre F et al. (2020). EUNIS Habitat Classification: expert system, characteristic species combinations and distribution maps of European habitats. *Applied Vegetation Science*, 23, 648–675
2. Attorre, F., Van Damme, K. (2020) Twenty years of biodiversity research and nature conservation in the Socotra Archipelago (Yemen). *Rend. Fis. Acc. Lincei* 31, 563–569

3. Riccardi, T., Malatesta, L., Van Damme, K. et al. (2020) Environmental factors and human activity as drivers of tree cover and density on the Island of Socotra, Yemen. *Rend. Fis. Acc. Lincei* 31, 703–718
4. Rezende, M., Riccardi, T., Malatesta, L. et al. (2020) Land productivity dynamics in Socotra Island (Yemen). *Rend. Fis. Acc. Lincei* 31, 737–746.
5. Testolin, R., Attorre, F., Jiménez-Alfaro, B (2020) Global distribution and bioclimatic characterization of alpine biomes. *Ecography*, 43(6), 779-788
6. van der Sande, M. T., Bruelheide, H., Dawson, W., Dengler, J., Essl, F., Field, R., Attorre, F et al. (2020). Similar factors underlie tree abundance in forests in native and alien ranges. *Global Ecology and Biogeography*, 29 (2), pp. 281-294
7. Bruelheide, H., Dengler, J., Jiménez-Alfaro, B., Purschke, O., Hennekens, S.M., Chytrý, M., Pillar, V.D., Jansen, F., Kattge, J., Sandel, B., Aubin, I., Biurrun, I., Field, R., Haider, S., Jandt, U., Lenoir, J., Peet, R.K., Peyre, G., Sabatini, F.M., Schmidt, M., Schrodtt, F., Winter, M., Aćić, S., Agrillo, E., Alvarez, M., Ambarlı, D., Angelini, P., Apostolova, I., Arfin Khan, M.A.S., Arnst, E., Attorre, F., et al. sPlot – A new tool for global vegetation analyses (2019) *Journal of Vegetation Science*, 30 (2), pp. 161-186.
8. Attorre, F., Sciubba, E., Vitale, M. A thermodynamic model for plant growth, validated with *Pinus sylvestris* data (2019) *Ecological Modelling*, 391, pp. 53-62.
9. Bruelheide, H., Dengler, J., Purschke, O., Lenoir, J., Jiménez-Alfaro, B., Hennekens, S.M., Botta-Dukát, Z., Chytrý, M., Field, R., Jansen, F., Kattge, J., Pillar, V.D., Schrodtt, F., Mahecha, M.D., Peet, R.K., Sandel, B., van Bodegom, P., Altman, J., Alvarez-Dávila, E., Arfin Khan, M.A.S., Attorre, F., et al. Global trait–environment relationships of plant communities (2018) *Nature Ecology and Evolution*, 2 (12), pp. 1906-1917.
10. Tomasetto, F., Cianciullo, S., Reale, M., Attorre, F., Olaniyan, O., Goldson, S.L. Breakdown in classical biological control of Argentine stem weevil: a matter of time (2018) *BioControl*, 63 (4), pp. 521-531.
11. Messina, M., Cunliffe, R., Farcomeni, A., Malatesta, L., Smit, I.P.J., Testolin, R., Ribeiro, N.S., Nhamale, B., Vitale, M., Attorre, F. An innovative approach to disentangling the effect of management and environment on tree cover and density of protected areas in African savanna (2018) *Forest Ecology and Management*, 419-420, pp. 1-9.
12. Attorre, F., Abeli, T., Bacchetta, G., Farcomeni, A., Fenu, G., De Sanctis, M., Gargano, D., Peruzzi, L., Montagnani, C., Rossi, G., Conti, F., Orsenigo, S. How to include the impact of climate change in the extinction risk assessment of policy plant species? (2018) *Journal for Nature Conservation*, 44, pp. 43-49.
13. Attorre, F., Pignatti, S., Spada, F., Casella, L., Agrillo, E. Introduction: Vegetation science and the habitats directive: approaches and methodologies of a never-ending story (2018) *Rendiconti Lincei*, 29 (2), pp. 233-235.
14. Agrillo, E., Alessi, N., Jiménez-Alfaro, B., Casella, L., Angelini, P., Argagnon, O., Crespo, G., Fernández-González, F., Monteiro-Henriques, T., Neto, C.S., Attorre, F. The use of large databases to characterize habitat types: the case of *Quercus suber* woodlands in Europe (2018) *Rendiconti Lincei*, 29 (2), pp. 283-293.
15. Gigante, D., Acosta, A.T.R., Agrillo, E., Armiraglio, S., Assini, S., Attorre, F., Bagella, S., Buffa, G., Casella, L., Giancola, C., Giusso del Galdo, G.P., Marcenò, C., Pezzi, G., Prisco, I., Venanzoni, R., Viciani, D. Habitat conservation in Italy: the state of the art in the light of the first European Red List of Terrestrial and Freshwater Habitats (2018) *Rendiconti Lincei*, 29 (2), pp. 251-265.
16. Pacifici, M., Attorre, F., Martellos, S., Bego, F., De Sanctis, M., Hoda, P., Meço, M., Rondinini, C., Saçdanaku, E., Salihaj, E., Scepi, E., Shuka, L., Ghiurghi, A. BioNNA: The biodiversity national network of Albania (2018) *Nature Conservation*, 25, pp. 77-88.

17. De Sanctis, M., Fanelli, G., Gjeta, E., Mullaj, A., Attorre, F. The forest communities of Shebenik-Jabllanicë national park (Central Albania) (2018) *Phytocoenologia*, 48 (1), pp. 51-76.
18. Terzano, D., Kotzé, I., Marais, C., Cianciullo, S., Farcomeni, A., Caroli, P., Malatesta, L., Attorre, F. Environmental and anthropogenic determinants of the spread of alien plant species: insights from South Africa's quaternary catchments (2018) *Plant Ecology*, 219 (3), pp. 277-297.
19. Attorre, F., Sciubba, E., Vitale, M. A thermodynamic model for plant growth
20. (2018) *ECOS 2018 - Proceedings of the 31st International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems*.
21. Guarino, R., Willner, W., Pignatti, S., Attorre, F., Loidi, J.J. Spatio-temporal variations in the application of the Braun-Blanquet approach in Europe (2018) *Phytocoenologia*, 48 (2), pp. 239-250.
22. Vitale, M., Lorenzetti, S., Francesconi, F., Attorre, F., Di Traglia, M. The importance of interspecific competition in the actual and future distributions of plant species assessed by a 2-D grid agent modeling (2017) *Ecological Modelling*, 360, pp. 399-409.
23. Bastin, J.-F., Berrahmouni, N., Grainger, A., Maniatis, D., Mollicone, D., Moore, R., Patriarca, C., Picard, N., Sparrow, B., Abraham, E.M., Aloui, K., Atesoglu, A., Attorre, F., et al. The extent of forest in dryland biomes (2017) *Science*, 356 (6338), pp. 635-638.
24. De Sanctis, M., Fanelli, G., Mullaj, A., Attorre, F. Vegetation database of Albania (2017) *Phytocoenologia*, 47 (1), pp. 107-108.
25. Agrillo, E., Alessi, N., Massimi, M., Spada, F., De Sanctis, M., Francesconi, F., Cambria, V.E., Attorre, F. Nationwide Vegetation Plot Database - Sapienza University of Rome: State of the art, basic figures and future perspectives (2017) *Phytocoenologia*, 47 (2), pp. 221-229.
26. Marcantonio, M., Martellos, S., Altobelli, A., Attorre, F., Tordoni, E., Ongaro, S., Rocchini, D., Da Re, D., Chiarucci, A., Bacaro, G. How does spatial scale affect species richness modelling? A test using remote sensing data and geostatistics (2017) *Annali di Botanica*, 7, pp. 11-24.
27. Wagner, V., Chytrý, M., Jiménez-Alfaro, B., Pergl, J., Hennekens, S., Biurrun, I., Attorre F et al. Alien plant invasions in European woodlands. (2017) *Diversity and Distributions*, 23(9), 969–981.
28. Martini, F., Cunliffe, R., Farcomeni, A., de Sanctis, M., D'Ammando, G., Attorre, F. Classification and mapping of the woody vegetation of Gonarezhou National Park, Zimbabwe (2016) *Koedoe*, 58 (1), art. no. a1388, .
29. Steinbauer, M.J., Field, R., Grytnes, J.-A., Trigas, P., Ah-Peng, C., Attorre, F., et al. Topography-driven isolation, speciation and a global increase of endemism with elevation (2016) *Global Ecology and Biogeography*, 25 (9), pp. 1097-1107.
30. Testolin, R., Saulei, S., Farcomeni, A., Grussu, G., Yosi, C., De Sanctis, M., Attorre, F. Investigating the effect of selective logging on tree biodiversity and structure of the tropical forests of Papua New Guinea (2016) *IForest*, 9 (JUNE2016), pp. 475-482.
31. Nimis, P.L., Moro, A., Attorre, F., Martellos, S., Chiancone, E. A digital flora of Rome (2016) *Plant Biosystems*, 150 (3), pp. 384-387.
32. Attorre, F., Bonacquisti, S., Francesconi, F., Sambucini, V., Martellos, S. Sharing Italian Botanic Gardens' living collections: The role of the National Biodiversity Network (2016) *Plant Biosystems*, 150 (3), pp. 373-376.
33. Martellos, S., Laganis, J., Bacaro, G., Bonacquisti, S., Derewnicka, L., Attorre, F. Botanical gardens and citizen science: An (as yet) under-exploited potential (2016) *Plant Biosystems*, 150 (3), pp. 381-383.

34. Grussu, G., Testolin, R., Saulei, S., Farcomeni, A., Yosi, C.K., De Sanctis, M., Attorre, F. Optimum plot and sample sizes for carbon stock and biodiversity estimation in the lowland tropical forests of Papua New Guinea (2016) *Forestry*, 89 (2), pp. 150-158.
35. Evangelista, A., Frate, L., Carranza, M.L., Attorre, F., Pelino, G., Stanisci, A. Changes in composition, ecology and structure of high-mountain vegetation: A re-visitation study over 42 years (2016) *AoB PLANTS*, 8, pp. 1-11.
36. Gigante, D., Attorre, F., Venanzoni, R., Acosta, A.T.R., Agrillo, E., et al. A methodological protocol for Annex i Habitats monitoring: The contribution of vegetation science (2016) *Plant Sociology*, 53 (2), pp. 77-87..
37. Chytrý, M., Hennekens, S.M., Jiménez-Alfaro, B., Knollová, I., Dengler, J., Jansen, F., Landucci, F., Schaminée, J.H.J., Acic, S., Agrillo, E., Ambarli, D., Angelini, P., Apostolova, I., Attorre, et al. European Vegetation Archive (EVA): An integrated database of European vegetation plots (2016) *Applied Vegetation Science*, 19 (1), pp. 173-180.
38. Fanelli, G., De Sanctis, M., Gjeta, E., Mullaj, A., Attorre, F. The Vegetation of the Buna River Protected Landscape (Albania) (2015) *Hacquetia*, 14 (2), pp. 129-174.
39. Pacifici, M., Visconti, P., Scepi, E., Hausmann, A., Attorre, F., Grant, R., Rondinini, C. Fire policy optimization to maximize suitable habitat for locally rare species under different climatic conditions: A case study of antelopes in the Kruger National Park (2015) *Biological Conservation*, 191, pp. 313-321.
40. De Cáceres, M., Chytrý, M., Agrillo, E., Attorre, F., Botta-Dukát, Z., Capelo, J., Czucz, B., Ewald, J., Faber-Langendoen, D., Feoli, E., Franklin, S.B., Gavilán, R., Gillet, F., Jansen, F., Jiménez-Alfaro, B., Krestov, P., Landucci, F., Lengyel, A., Loidi, J., Mucina, L., Peet, R.K., Roberts, D.W., Roleček, J., Schaminée, J.H.J., Schmidlein, S., Theurillat, J.-P., Tichý, L., Walker, D.A., Wildi, O., Willner, W., Wiser, S.K. A comparative framework for broad-scale plot-based vegetation classification (2015) *Applied Vegetation Science*, 18 (4), pp. 543-560.
41. Vitale, M., Savi, F., Baldantoni, D., Attorre, F. Modeling of early stage litter decomposition in Mediterranean mixed forests: Functional aspects affected by local climate (2015) *IForest*, 8 (AUG2015), pp. 517-525.
42. D'Ammando, G., Parrini, F., Attorre, F., Boitani, L. Observations on dry season grazing by eland in a Magaliesberg Nature Reserve, South Africa (2015) *African Journal of Ecology*, 53 (1), pp. 112-115.
43. Fanelli, G., Attorre, F., Del Giudice, M., Gjeta, E., De Sanctis, M. *Phlomis fruticosa* scrublands in the central Mediterranean region: Syntaxonomy and ecology (2015) *Phytocoenologia*, 45 (1-2), pp. 49-68.
44. Attorre, F., Govender, N., Hausmann, A., Farcomeni, A., Guillet, A., Scepi, E., Smit, I.P.J., Vitale, M. Assessing the effect of management changes and environmental features on the spatio-temporal pattern of fire in an African Savanna. Fire spatio-temporal pattern (2015) *Journal for Nature Conservation*, 28, pp. 1-10.
45. Martellos, S., Attorre, F., Farcomeni, A., Francesconi, F., Pittao, E., Tretiach, M. Species distribution models backing taxa delimitation: The case of the lichen *Squamarina cartilaginea* in Italy (2014) *Flora: Morphology, Distribution, Functional Ecology of Plants*, 209 (12), pp. 698-703.
46. Attorre, F., Vitale, M. Plant ecology and conservation in international cooperation: Approaches and methodologies (2014) *Plant Biosystems*, 148 (3), pp. 517-518.
47. Capotorti, G., Anzellotti, I., Attorre, F., Copiz, R., Mollo, B., Zavattoni, L., Blasi, C. Ecological classification of land and ecosystem mapping. Towards the implementation of action 5 of the European biodiversity strategy to 2020 in Italy (2014) *Annali di Botanica*, 4, pp. 9-17.



48. Attorre, F., Francesconi, F., De Sanctis, M., Alfò, M., Martella, F., Valenti, R., Vitale, M. Classifying and Mapping Potential Distribution of Forest Types Using a Finite Mixture Model (2014) *Folia Geobotanica*, 49 (3), pp. 313-335.
49. Attorre, F., Issa, A., Malatesta, L., Adeeb, A., De Sanctis, M., Vitale, M., Farcomeni, A. Analysing the relationship between land units and plant communities: The case of Socotra Island (Yemen) (2014) *Plant Biosystems*, 148 (3), pp. 529-539.
50. Grussu, G., Attorre, F., Mollicone, D., Dargusch, P., Guillet, A., Marchetti, M. Implementing REDD+ in Papua New Guinea: Can biodiversity indicators be effectively integrated in PNG's National Forest Inventory? (2014) *Plant Biosystems*, 148 (3), pp. 519-528.
51. Attorre, F., Fortunato, C., Martellos, S. Botanical information in the Italian Biodiversity Network: One year of data aggregation and future perspectives (2013) *Plant Biosystems*, 147 (4), pp. 1101-1103.
52. Malatesta, L., Attorre, F., Altobelli, A., Adeeb, A., De Sanctis, M., Taleb, N.M., Scholte, P.T., Vitale, M. Vegetation mapping from high-resolution satellite images in the heterogeneous arid environments of Socotra Island (Yemen) (2013) *Journal of Applied Remote Sensing*, 7 (1), art. no. 073527,
53. Attorre, F., Maggini, A., Di Traglia, M., De Sanctis, M., Vitale, M. A methodological approach for assessing the effects of disturbance factors on the conservation status of Mediterranean coastal dune systems (2013) *Applied Vegetation Science*, 16 (2), pp. 333-342.
54. Attorre, F., Stanisci, A., Bruno, F. The urban woods of Rome (Italy) (2013) *Plant Biosystems*, 131 (2), pp. 113-135.
55. Attorre, F., De Sanctis, M., Farcomeni, A., Guillet, A., Scepi, E., Vitale, M., Pella, F., Fasola, M. The use of spatial ecological modelling as a tool for improving the assessment of geographic range size of threatened species (2013) *Journal for Nature Conservation*, 21 (1), pp. 48-55.
56. De Marco, A., Screpanti, A., Attorre, F., Proietti, C., Vitale, M. Assessing ozone and nitrogen impact on net primary productivity with a Generalised non-Linear Model (2013) *Environmental Pollution*, 172, pp. 250-263.
57. De Sanctis, M., Adeeb, A., Farcomeni, A., Patriarca, C., Saed, A., Attorre, F. Classification and distribution patterns of plant communities on Socotra Island, Yemen (2013) *Applied Vegetation Science*, 16 (1), pp. 148-165.
58. Martellos, S., Attorre, F. New trends in biodiversity informatics (2012) *Plant Biosystems*, 146 (4), pp. 749-751.
59. Guillet, A., Malatesta, L., Falcetta, M., Attorre, F. Systemic Spatial Decision Support Systems: An integrated, computer-aided tool for biodiversity conservation (2012) *Plant Biosystems*, 146 (4), pp. 814-826.
60. Landucci, F., Acosta, A.T.R., Agrillo, E., Attorre, F., Biondi, E., Cambria, V.E., Chiarucci, A., Del Vico, E., de Sanctis, M., Facioni, L., Geri, F., Gigante, D., Guarino, R., Landi, S., Lucarini, D., Panfili, E., Pesaresi, S., Prisco, I., Rosati, L., Spada, F., Venanzoni, R. VegItaly: The Italian collaborative project for a national vegetation database (2012) *Plant Biosystems*, 146 (4), pp. 756-763.
61. Gigante, D., Acosta, A.T.R., Agrillo, E., Attorre, F., Cambria, V.E., Casavecchia, S., Chiarucci, A., Del Vico, E., De Sanctis, M., Facioni, L., Geri, F., Guarino, R., Landi, S., Landucci, F., Lucarini, D., Panfili, E., Pesaresi, S., Prisco, I., Rosati, L., Spada, F., Venanzoni, R. VegItaly: Technical features, crucial issues and some solutions (2012) *Plant Sociology*, 49 (2), pp. 71-79.
62. Vitale, M., Mancini, M., Matteucci, G., Francesconi, F., Valenti, R., Attorre, F. Model-based assessment of ecological adaptations of three forest tree species growing in

- Italy and impact on carbon and water balance at national scale under current and future climate scenarios (2012) *IForest*, 5 , pp. 235-246.
63. Senan, A.S., Tomasetto, F., Farcomeni, A., Somashekar, R.K., Attorre, F. Determinants of plant species invasions in an arid island: Evidence from Socotra Island (Yemen) (2012) *Plant Ecology*, 213 (9), pp. 1381-1392.
  64. De Sillo, R., De Sanctis, M., Bruno, F., Attorre, F. Vegetation and landscape of the Simbruini mountains (Central Apennines) (2012) *Plant Sociology*, 49 (1 SUPPL. 1), pp. 3-64.
  65. Martellos, S., Attorre, F., De Felici, S., Cesaroni, D., Sbordoni, V., Blasi, C., Nimis, P.L. Plant sciences and the italian national biodiversity network (2011) *Plant Biosystems*, 145 (4), pp. 758-761.
  66. Attorre, F., Taleb, N., De Sanctis, M., Farcomeni, A., Guillet, A., Vitale, M. Developing conservation strategies for endemic tree species when faced with time and data constraints: *Boswellia* spp. on Socotra (Yemen) (2011) *Biodiversity and Conservation*, 20 (7), pp. 1483-1499.
  67. Attorre, F., Alfò, M., De Sanctis, M., Francesconi, F., Valenti, R., Vitale, M., Bruno, F. Evaluating the effects of climate change on tree species abundance and distribution in the Italian peninsula (2011) *Applied Vegetation Science*, 14 (2), pp. 242-255.
  68. Di Traglia, M., Attorre, F., Francesconi, F., Valenti, R., Vitale, M. Is cellular automata algorithm able to predict the future dynamical shifts of tree species in Italy under climate change scenarios? A methodological approach (2011) *Ecological Modelling*, 222 (4), pp. 925-934.
  69. De Sanctis, M., Alfò, M., Attorre, F., Francesconi, F., Bruno, F. Effects of habitat configuration and quality on species richness and distribution in fragmented forest patches near Rome (2010) *Journal of Vegetation Science*, 21 (1), pp. 55-65.
  70. Scarnati, L., Attorre, F., Farcomeni, A., Francesconi, F., De Sanctis, M. Modelling the spatial distribution of tree species with fragmented populations from abundance data (2009) *Community Ecology*, 10 (2), pp. 215-224.
  71. Attorre, F., Francesconi, F., Scarnati, L., De Sanctis, M., Alfò, M., Bruno, F. Predicting the effect of climate change on tree species abundance and distribution at a regional scale (2009) *IForest*, 1 (AUG), pp. 132-139.
  72. Scarnati, L., Attorre, F., de Sanctis, M., Farcomeni, A., Francesconi, F., Mancini, M., Bruno, F. A multiple approach for the evaluation of the spatial distribution and dynamics of a forest habitat: The case of Apennine beech forests with *Taxus baccata* and *Ilex aquifolium* (2009) *Biodiversity and Conservation*, 18 (12), pp. 3099-3113.

## Books

1. Scarnati L., Attorre F. (Eds). 2014. Multidisciplinary analysis of the Palo Laziale wood for the conservation of its natural habitats. CIRBFEP - Centro Interuniversitario di Ricerca "Biodiversità, Fitosociologia ed Ecologia del Paesaggio". Pp. 76. ISBN 978-88-97091-02-8.
2. Attorre F. (Ed.). 2014. Soqotra Archipelago (Yemen) toward systemic and scientifically objective sustainability in development and conservation. Quaderni CEMAS. Nuova Cultura, Roma. Pp. 160. ISBN 8868120429
3. AAVV. 2016. Trees, forests and land use in drylands The first global assessment. Food and Agriculture Organization of the United Nations. Pp. 32. ISBN 978-92-5-109326-9.
4. Janssen J.A.M., Rodwell J.S., García Criado M., Gubbay S., Haynes T., Nieto A., Sanders N., Landucci F., Loidi J., Ssymank A., Tahvanainen T., Valderrabano M., Acosta A., Aronsson M., Arts G., Attorre F., et al. 2016. European Red List of Habitats Part 2. Terrestrial and freshwater habitats. European Union. Pp. 40. ISBN 978-92-79-61588-7

*Il sottoscritto Fabio Attorre autorizza al trattamento dei propri dati personali per le finalità dell'Avviso Pubblico "Progetti di Gruppi di Ricerca 2020" (Bollettino Ufficiale della Regione Lazio n. 93, Suppl. 1, del 23/07/2020), in conformità all'Informativa Privacy di cui all'Appendice 5 dell'Avviso*

Roma 23.10.2020

Prof. Fabio Attorre

Handwritten signature of Fabio Attorre in black ink.