

# Elenco delle Pubblicazioni

## Giovanni Dimauro

### 1.1. Pubblicazioni in riviste internazionali dal 2017 a oggi

1. Camporeale, M. G., **Dimauro, G.**, Gelardi, M., Iacobellis, G., Ladisa, M. S., Latrofa, S., & Lomonte, N. (2026). *A nasal cytology dataset for object detection and deep learning*. *Biomedical Signal Processing and Control*, 114, 109263. <https://doi.org/10.1016/j.bspc.2025.109263>
2. Fosco, D., De Molfetta, M., Renzulli, P. A., Notarnicola, B., **Dimauro, G.**, Astuto, F., & Spizzirri, U. G. (2026). *Drone-based methane emission estimation at waste, livestock and energy facilities: Experimental tests in Italy and challenges of wind–concentration integration with open-path sensors*. *Journal of Environmental Management*, 398, 128290. <https://doi.org/10.1016/j.jenvman.2025.128290>
3. Camporeale, M., Clemente, F., **Dimauro, G.**, Lomonte, N., Maglietta, R., Pasciolla, C., Sacco, D., & Zaccaria, G. M. (2025). *Highly reliable personalized noninvasive hemoglobin estimation by using Vision Transformers and dual fine-tuning*. *Computers in Biology and Medicine*, 197(Part A), 111026. <https://doi.org/10.1016/j.compbimed.2025.111026>
4. Cherubini, C., Cipriano, G., Saccotelli, L., **Dimauro, G.**, Coppini, G., Carlucci, R., Fanizza, C., & Maglietta, R. (2025). *Cetacean feeding modelling using machine learning: A case study of the Central-Eastern Mediterranean Sea*. *Ecological Informatics*, 86, 103066. <https://doi.org/10.1016/j.ecoinf.2025.103066>
5. Adamo, T., Caivano, D., Colizzi, L., **Dimauro, G.**, & Guerriero, E. (2025). *Optimization of irrigation and fertigation in smart agriculture: An IoT-based micro-services framework*. *Smart Agricultural Technology*, 11, 100885. <https://doi.org/10.1016/j.atech.2025.100885>
6. Colizzi, L., **Dimauro, G.**, Guerriero, E., & Lomonte, N. (2025). *Artificial Intelligence and IoT for Water Saving in Agriculture: A Systematic Review*. *Smart Agricultural Technology*, 11, 101008. <https://doi.org/10.1016/j.atech.2025.101008>
7. Scalera, M., Marengo, A., Barletta, V. S., Caivano, D., **Dimauro, G.**, & Pange, J. (2025). *Rethinking pedagogy for computer architecture: A Simplified Approach to teach a Processor (SAtTaP)*. *Education and Information Technologies*, 30, 7357–7386. <https://doi.org/10.1007/s10639-024-13091-2>
8. Maglietta, R., Verri, G., Saccotelli, L., De Lorenzis, A., Cherubini, C., Caccioppoli, R., **Dimauro, G.**, & Coppini, G. (2025). *Advancing estuarine box modeling: A novel hybrid machine learning and physics-based approach*. *Environmental Modelling & Software*, 183, 106223. <https://doi.org/10.1016/j.envsoft.2024.106223>
9. Adamo, T., Colizzi, L., **Dimauro, G.**, Guerriero, E., & Pareo, D. (2024). *Crop planting layout optimization in sustainable agriculture: A constraint programming approach*. *Computers and Electronics in Agriculture*, 224, 109162. <https://doi.org/10.1016/j.compag.2024.109162>
10. Desolda, G., **Dimauro, G.**, Esposito, A., Lanzilotti, R., Matera, M., & Zancanaro, M. (2024). *A Human–AI interaction paradigm and its application to rhinocytology*. *Artificial Intelligence in Medicine*, 155, 102933. <https://doi.org/10.1016/j.artmed.2024.102933>

11. Cardellicchio, A., Solimani, F., **Dimauro, G.**, Summerer, S., & Renò, V. (2024). *Patch-based probabilistic identification of plant roots using convolutional neural networks*. *Pattern Recognition Letters*, 183, 125–132. <https://doi.org/10.1016/j.patrec.2024.05.010>
12. Maglietta, R., Caccioppoli, R., Piazzolla, D., Saccotelli, L., Cherubini, C., Scagnoli, E., Piermattei, V., Marcelli, M., De Lucia, G. A., Lecci, R., Causio, S., **Dimauro, G.**, De Franco, F., Scuro, M., & Coppini, G. (2024). *Habitat suitability modeling of loggerhead sea turtles in the Central-Eastern Mediterranean Sea: a machine learning approach using satellite tracking data*. *Frontiers in Marine Science*, 11. <https://doi.org/10.3389/fmars.2024.1493598>
13. **G. Dimauro**, M. E. Griseta, M. G. Camporeale, F. Clemente, A. Guarini, e R. Maglietta, «An intelligent non-invasive system for automated diagnosis of anemia exploiting a novel dataset», *Artificial Intelligence in Medicine (Q1)*, vol. 136, 2023, doi: 10.1016/j.artmed.2022.102477.
14. **G. Dimauro**, M. G. Camporeale, A. Dipalma, A. Guarini, e R. Maglietta, «Anaemia detection based on sclera and blood vessel colour estimation», *Biomedical Signal Processing and Control (Q1)*, vol. 81, 2023, doi: 10.1016/j.bspc.2022.104489.
15. Solimani, F., Cardellicchio, A., **Dimauro, G.**, Petrozza, A., Summerer, S., Cellini, F., & Renò, V. (2024). *Optimizing tomato plant phenotyping detection: Boosting YOLOv8 architecture to tackle data complexity*. *Computers and Electronics in Agriculture*, 218, 108728. <https://doi.org/10.1016/j.compag.2024.108728>
16. S. Mutti, N. Pedrocchi, A. Valente and **G. Dimauro**, "Sim-to-Real RNN-Based Framework for the Precise Positioning of Autonomous Mobile Robots," in *IEEE Access*, vol. 12, pp. 163948-163957, 2024, doi: 10.1109/ACCESS.2024.3488175
17. Adamo T., Colizzi L., **Dimauro G.**, Ghiani G., Guerriero E., A multi-modal tourist trip planner integrating road and pedestrian networks, *Expert Systems with Applications (Q1)*, Volume 237, Part B, 1 March 2024, 121457, doi: 10.1016/j.eswa.2023.121457
18. Cardellicchio, A., Solimani, F., **Dimauro, G.**, Petrozza, A., Summerer, S., Cellini, F., Renò, V., Detection of tomato plant phenotyping traits using YOLOv5-based single stage detectors, *Computers and Electronics in Agriculture (Q1)*, Volume 207, 2023, DOI 10.1016/j.compag.2023.107757.
19. Maglietta, R., Bussola, A., Carlucci, R., Fanizza, C., **Dimauro, G.**, ARIANNA: A novel deep learning-based system for fin contours analysis in individual recognition of dolphins, *Intelligent Systems with Applications (Q1)*, Volume 18, 2023, 200207, DOI 10.1016/j.iswa.2023.200207.
20. **Dimauro G.**, Barbaro N., Camporeale M.G., Fiore V., Gelardi M., Scalera M., DeepCilia: automated, Deep Learning based engine for precise Ciliary Beat Frequency estimation, *Biomedical Signal Processing and Control (Q1)*, Volume 90, April 2024, 105808, doi: 10.1016/j.bspc.2023.105808
21. P. Appiahene, J. W. Asare, E. T. Donkoh, **G. Dimauro**, e R. Maglietta, «Detection of iron deficiency anemia by medical images: a comparative study of machine learning algorithms», *Biodata Mining (Q2)*, vol. 16, fasc. 1, 2023, doi: 10.1186/s13040-023-00319-z.
22. Maglietta, R., Saccotelli, L., Fanizza, C., Telesca, V., **Dimauro, G.**, Causio, S., Lecci, R., Federico, I., Coppini, G., Cipriano, G., Carlucci, R., Environmental variables and machine learning models to predict cetacean abundance in the Central-eastern Mediterranean Sea, *Scientific Reports (Q1)*, 13, 2600 (2023). <https://doi.org/10.1038/s41598-023-29681-y>
23. V. S. Barletta, D. Caivano, L. Colizzi, **G. Dimauro**, e M. Piattini, «Clinical-chatbot AHP evaluation based on “quality in use” of ISO/IEC 25010», *International Journal of Medical Informatics (Q1)*, vol. 170, 2023, doi: 10.1016/j.ijmedinf.2022.104951.
24. Asare, JW, Appiahene, P, Donkoh, ET, **Dimauro, G.**, Iron deficiency anemia detection using machine learning models: A comparative study of fingernails, palm and conjunctiva of the eye images. *Engineering Reports (Q2)*. 2023; e12667. doi: 10.1002/eng2.12667
25. Renò, V.; Maglietta, R.; **Dimauro, G.** Special Issue on Intelligent Systems Applications to Multiple Domains Based on Innovative Signal and Image Processing. *Applied Sciences (Q3)*, 2023, 13, 4373. <https://doi.org/10.3390/app13074373>
26. Solimani, F.; Cardellicchio, A.; Nitti, M.; Lako, A.; **Dimauro, G.**; Renò, V. A Systematic Review of Effective Hardware and Software Factors Affecting High-Throughput Plant Phenotyping. *Information (Q2)* 2023, 14, 214. <https://doi.org/10.3390/info14040214>
27. **G. Dimauro**, V. S. Barletta, C. R. Catacchio, L. Colizzi, R. Maglietta, e M. Ventura, «A systematic mapping study on machine learning techniques for the prediction of CRISPR/Cas9 sgRNA target cleavage», *Computational and Structural Biotechnology Journal (Q1)*, vol. 20, pp. 5813–5823, 2022, doi: 10.1016/j.csbj.2022.10.013.

28. R. Maglietta, R. Carlucci, C. Fanizza, e **G. Dimauro**, «Machine learning and image processing methods for cetacean photo identification: a systematic review», *IEEE Access (Q1)*, vol. 10, pp. 80195–80207, 2022, doi: 10.1109/ACCESS.2022.3195218.
29. V. Renò, E. Stella, C. Patruno, A. Capurso, **G. Dimauro**, e R. Maglietta, «Learning Analytics: Analysis of Methods for Online Assessment», *Applied Sciences (Q3)*, vol. 12, fasc. 18, 2022, doi: 10.3390/app12189296.
30. **G. Dimauro**, V. Bevilacqua, e L. Pecchia, «Bioelectronic technologies and artificial intelligence for medical diagnosis and healthcare», *Electronics (Q2)*, vol. 10, fasc. 11, 2021, doi: 10.3390/electronics10111242.
31. D. Buongiorno, G.D. Cascarano, I. De Feudis, A. Brunetti, L. Carnimeo, **G. Dimauro**, V. Bevilacqua, «Deep Learning for Processing Electromyographic Signals: a Taxonomy-based Survey», *Neurocomputing (Q1)*, 2021, doi: 10.1016/j.neucom.2020.06.139.
32. A. Nannavecchia, F. Girardi, P. R. Fina, M. Scalera, e **G. Dimauro**, «Personal Heart Health Monitoring Based on 1D Convolutional Neural Network», *Journal of Imaging (Q2)*, vol. 7, fasc. 2, 2021, doi: 10.3390/jimaging7020026.
33. **G. Dimauro**, V. Bevilacqua, L. Colizzi, e D. Di Pierro, «TestGraphia, a Software System for the Early Diagnosis of Dysgraphia», *IEEE Access (Q1)*, vol. 8, pp. 19564–19575, 2020, doi: 10.1109/ACCESS.2020.2968367.
34. **G. Dimauro** e L. Simone, «Novel Biased Normalized Cuts Approach for the Automatic Segmentation of the Conjunctiva», *Electronics (Q2)*, vol. 9, fasc. 6, 2020, doi: 10.3390/electronics9060997.
35. **G. Dimauro**, D. Di Pierro, F. Deperte, L. Simone, e P. R. Fina, «A Smartphone-Based Cell Segmentation to Support Nasal Cytology», *Applied Sciences (Q2)*, vol. 10, fasc. 13, 2020, doi: 10.3390/app10134567.
36. **G. Dimauro**, F. Deperte, R. Maglietta, M. Bove, F. La Gioia, V. Renò, L. Simone, M. Gelardi, «A Novel Approach for Biofilm Detection Based on a Convolutional Neural Network», *Electronics (Q2)*, vol. 9, fasc. 6, 2020, doi: 10.3390/electronics9060881.
37. **G. Dimauro**, D. Caivano, P. Di Pilato, A. Dipalma, e M. G. Camporeale, «A Systematic Mapping Study on Research in Anemia Assessment with Non-Invasive Devices», *Applied Sciences (Q2)*, vol. 10, fasc. 14, 2020, doi: 10.3390/app10144804.
38. **G. Dimauro**, S. De Ruvo, F. Di Terlizzi, A. Ruggieri, V. Volpe, L. Colizzi, F. Girardi, «Estimate of anemia with new non-invasive systems—a moment of reflection», *Electronics (Q2)*, vol. 9, fasc. 5, 2020, doi: 10.3390/electronics9050780.
39. **G. Dimauro**, V. Bevilacqua, P. R. Fina, D. Buongiorno, A. Brunetti, S. Latrofa, M. Cassano, M. Gelardi, «Comparative analysis of rhino-cytological specimens with image analysis and deep learning techniques», *Electronics (Q2)*, vol. 9, fasc. 6, pp. 1–19, 2020, doi: 10.3390/electronics9060952.
40. M. Scalera, E. Gentile, P. Plantamura, e **G. Dimauro**, «A Systematic Mapping Study in Cloud for Educational Innovation», *Applied Sciences (Q2)*, vol. 10, fasc. 13, 2020, doi: 10.3390/app10134531.
41. V. Renò, M. Sciancalepore, **G. Dimauro**, R. Maglietta, M. Cassano, e M. Gelardi, «A Novel Approach for the Automatic Estimation of the Ciliated Cell Beating Frequency», *Electronics (Q2)*, vol. 9, fasc. 6, 2020, doi: 10.3390/electronics9061002.
42. V. Reno et al., «Combined color semantics and deep learning for the automatic detection of dolphin dorsal fins», *Electronics (Q2)*, vol. 9, fasc. 5, 2020, doi: 10.3390/electronics9050758.
43. R. Maglietta et al., «Convolutional Neural Networks for Risso’s Dolphins Identification», *IEEE Access (Q1)*, vol. 8, pp. 80195–80206, 2020, doi: 10.1109/ACCESS.2020.2990427.
44. S. Kasiviswanathan, T. B. Vijayan, L. Simone, e **G. Dimauro**, «Semantic segmentation of conjunctiva region for non-invasive anemia detection applications», *Electronics (Q2)*, vol. 9, fasc. 8, pp. 1–13, 2020, doi: 10.3390/electronics9081309.
45. V. S. Barletta, D. Caivano, **G. Dimauro**, A. Nannavecchia, e M. Scalera, «Managing a smart city integrated model through smart program management», *Applied Sciences (Q2)*, vol. 10, fasc. 2, 2020, doi: 10.3390/app10020714.
46. C. Ardito, D. Caivano, L. Colizzi, **G. Dimauro**, e L. Verardi, «Design and Execution of Integrated Clinical Pathway: A Simplified Meta-Model and Associated Methodology», *Information (Q3)*, vol. 11, fasc. 7, 2020, doi: 10.3390/info11070362.
47. **G. Dimauro**, G. Ciprandi, F. Deperte, F. Girardi, E. Ladisa, S. Latrofa, M. Gelardi, «Nasal cytology with deep learning techniques», *International Journal of Medical Informatics (Q1)*, vol. 122, pp. 13–19, 2019, doi: 10.1016/j.ijmedinf.2018.11.010.

48. **G. Dimauro**, A. Guarini, D. Caivano, F. Girardi, C. Pasciolla, e A. Iacobazzi, «Detecting clinical signs of anaemia from digital images of the palpebral conjunctiva», *IEEE Access (Q1)*, vol. 7, pp. 113488–113498, 2019, doi: 10.1109/ACCESS.2019.2932274.
49. **G. Dimauro**, P. Colagrande, R. Carlucci, M. Ventura, V. Bevilacqua, e D. Caivano, «CRISPRLearner: a deep learning-based system to predict CRISPR/Cas9 sgRNA on-target cleavage efficiency», *Electronics (Q2)*, vol. 8, fasc. 12, 2019, doi: 10.3390/electronics8121478.
50. **G. Dimauro**, E. Gentile, P. Plantamura, e M. Scalera, «Experimentation of Flipped Learning in Higher Education Academy», *International Journal for Infonomics*, vol. 12, fasc. 3, pp. 1891–1898, 2019, doi: 10.20533/iji.1742.4712.2019.0194.
51. V. Renò, **G. Dimauro**, G. Labate, E. Stella, C. Fanizza, G. Cipriano, R. Carlucci, R. Maglietta, «A SIFT-based software system for the photo-identification of the Risso's dolphin», *Ecological Informatics (Q1)*, vol. 50, pp. 95–101, 2019, doi: 10.1016/j.ecoinf.2019.01.006.
52. M. T. Baldassarre, D. Caivano, **G. Dimauro**, E. Gentile, e G. Visaggio, «Cloud Computing for Education: A Systematic Mapping Study», *IEEE Transactions on Education (Q1)*, vol. 61, fasc. 3, pp. 234–244, 2018, doi: 10.1109/TE.2018.2796558.
53. **G. Dimauro**, D. Caivano, e F. Girardi, «A new method and a non-invasive device to estimate anaemia based on digital images of the conjunctiva», *IEEE Access (Q1)*, vol. 6, pp. 46968–46975, 2018, doi: 10.1109/ACCESS.2018.2867110.
54. **G. Dimauro**, V. Di Nicola, V. Bevilacqua, D. Caivano, e F. Girardi, «Assessment of speech intelligibility in Parkinson's disease using a speech-to-text system», *IEEE Access (Q1)*, vol. 5, pp. 22199–22208, 2017, doi: 10.1109/ACCESS.2017.2762475.

## 1.2. Pubblicazioni in collezioni internazionali (selezione dal 2018 a oggi)

55. Simone, L., Camporeale, M. G., Rubino, V. M., Gervasi, V., & **Dimauro, G.** (2025). *Interpretable early detection of Parkinson's disease through speech analysis*. In R. Bellazzi, J. M. Juarez Herrero, L. Sacchi, & B. Zupan (Eds.), *Artificial Intelligence in Medicine. AIME 2025* (pp. 373–378). Springer, Cham. [https://doi.org/10.1007/978-3-031-95841-0\\_69](https://doi.org/10.1007/978-3-031-95841-0_69)
56. Barletta, V. S., Caivano, D., **Dimauro, G.**, Mantini, F., & Morga, M. (2025). *Exploring artificial intelligence challenges for monitoring cyber child abuse*. In *Joint Proceedings of IS-EUD 2025: Workshops, Work in Progress Demos and Doctoral Consortium (CEUR Workshop Proceedings, Vol. 3978)*. CEUR-WS.
57. Barletta, V. S., Caivano, D., **Dimauro, G.**, Morga, M., Ricchiuti, A. M., Scavo, B., & Valentino, F. (2025). *Comparative analysis of YOLO architectures for human body part detection: Towards symbiotic AI in human-AI interaction*. In *Proceedings of COL-SAI 2025: Workshop on Collaboration and Learning through Symbiotic Artificial Intelligence (CEUR Workshop Proceedings, Vol. 4086)*, pp. 54–62. CEUR-WS
58. M. G. Camporeale, U. Kaymak and **G. Dimauro**, "Prototype Trees to Develop an Interpretable Automated Pipeline for Nasal Cytology," *2025 IEEE International Conference on Fuzzy Systems (FUZZ)*, Reims, France, 2025, pp. 1-7, doi: 10.1109/FUZZ62266.2025.11152079.
59. Cherubini, C., Saccotelli, L., Dimauro, G., Coppini, G., Cipriano, G., Carlucci, R., Fanizza, C., & Maglietta, R. (2024). *A ML-based multi-species analysis to explore the environmental drivers of cetaceans behaviors*. In *2024 IEEE International Workshop on Metrology for the Sea; Learning to Measure Sea Health Parameters (MetroSea)* (pp. 95–99). IEEE. <https://doi.org/10.1109/MetroSea62823.2024.10765670>
60. S. Mutti, V. Reno, M. Nitti, **G. Dimauro**, e N. Pedrocchi, «Cloud-Based Visually Aided Mobile Manipulator Kinematic Parameters Calibration», in *Lecture Notes in Computer Science (including subseries LNotes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, Gewerbestrasse 11, Cham, Ch-6330, Switzerland, 2022, vol. 13373, pp. 258–268. doi: 10.1007/978-3-031-13321-3\_23.

61. V. Renò, **G. Dimauro**, C. Fanizza, R. Carlucci, e R. Maglietta, «Computer Vision and Deep Learning Applied to the Photo-identification of Cetaceans», in *Measurement for the Sea - Supporting the Marine Environment and the Blue Economy*, 2022, pp. 291–308. doi: 10.1007/978-3-030-82024-4\_12.
62. **G. Dimauro**, D. Di Pierro, e L. Colizzi, «TestGraphia, Document Analysis-Based Diagnosis of Dysgraphia», in *Lecture Notes in Electrical Engineering*, 2021, vol. 725, pp. 223–242. doi: 10.1007/978-3-030-63107-9\_18.
63. **G. Dimauro**, D. Caivano, M. M. Ciccone, G. Dalena, e F. Girardi, «Classification of Cardiac Tones of Mechanical and Native Mitral Valves», in *Lecture Notes in Electrical Engineering*, 2021, vol. 725, pp. 211–222. doi: 10.1007/978-3-030-63107-9\_17.
64. **G. Dimauro**, F. Girardi, D. Caivano, e L. N. Colizzi, «Personal Health E-Record - Toward an enabling Ambient Assisted Living Technology for communication and information sharing between patients and care providers», in *Ambient Assisted Living*, 2019, vol. 544. doi: 10.1007/978-3-030-05921-7\_39.
65. **G. Dimauro**, F. Girardi, M. Gelardi, V. Bevilacqua, e D. Caivano, «Rhino-Cyt: A System for Supporting the Rhinologist in the Analysis of Nasal Cytology», in *Intelligent Computing Theories and Application*, 2018, vol. 10955 LNCS, pp. 619–630. doi: 10.1007/978-3-319-95933-7\_71.

### 1.3. Pubblicazioni in libri internazionali dal 2005

66. **G. Dimauro**, «Fourier Transform in Numeral Recognition and Signature Verification», in *Pattern Recognition Machine Intelligence and Biometrics*, Berlin Heidelberg: Springer-Verlag, 2011, pp. 825–859. doi: 10.1007/978-3-642-22407-2\_31.
67. **G. Dimauro**, D. Impedovo, S. Impedovo, M.G. Lucchese, R. Modugno, G. Pirlo, L. Sarcinella, «An Experimental Investigation on Web Site Usability», in *Multimedia in Business and Education*, 2005, Leszek Kieltyka Ed., Czestochowa, Poland, 2005, pp. 126-130.(ISBN: 83-88469-28-2).pp. 126–130.
68. S. Impedovo, **G. Dimauro**, A. Ferrante, N. Greco, M.G. Lucchese, G. Pirlo, L. Sarcinella, «Evaluation of Multimedia Systems during their Lifecycle», in *Multimedia in Business and Education*, 2005, Leszek Kieltyka Ed., Czestochowa, Poland, 2005, pp. 126-130.(ISBN: 83-88469-28-2).pp. 143–147.

### 1.4. Selezione di pubblicazioni in atti di congressi internazionali (dal 2005)

69. Solimani, F., Cardellicchio, A., **Dimauro, G.**, Mininni, A., Calabritto, M., Di Biase, R., Petrozza, A., Summerer, S., Cellini, F., & Renò, V. (2024). *Enhancing small object detection in the YOLOv8 model: A comprehensive analysis of the optimized model head adaptations*. In *2024 IEEE 20th International Conference on Automation Science and Engineering (CASE)* (pp. 599–604). IEEE. <https://doi.org/10.1109/CASE59546.2024.10711401>
70. Simone, L., Camporeale, M. G., Lomonte, N., Dimauro, G., & Gervasi, V. (2023). *An efficient deep learning approach for arrhythmia classification using 3D temporal SVCG*. In *2023 IEEE International Conference on Digital Health (ICDH)* (pp. 234–239). IEEE. <https://doi.org/10.1109/ICDH60066.2023.00041>
71. S. Mutti and **G. Dimauro**, "Distributed lidar based control for cooperative transportation with multiple autonomous mobile robots," 2023 IEEE International Conference on Industrial Technology (ICIT), Orlando, FL, USA, 2023, pp. 1-5, doi: 10.1109/ICIT58465.2023.10143115.
72. S. Mutti, N. Pedrocchi, **G. Dimauro**, Kinematic-aware UKF-based fast fiducial marker tracker, *Multimodal Sensing and Artificial Intelligence: Technologies and Applications III*, 27 - 29 June 2023, SPIE Optical Metrology. DOI: <http://dx.doi.org/10.1117/12.2674144>
73. Caccioppoli R., Cherubini C., Saccotelli L., Piazzolla D., Scagnoli E., Piermattei V., Marcelli M., De Lucia G.A., Lecci R., Causio S., **Dimauro, G.**, De Franco F., Scuro M., Coppini G., Maglietta R., Validating Temperature Data from Copernicus Marine Service using Satellite-Telemetered Mediterranean Sea Turtles, 1st International Conference of Mediterranean Biodiversity, 13th – 15th September 2023, Lecce, Italy

74. L. Saccotelli, G. Verri, A. De Lorenzis, R. Caccioppoli, C. Cherubini, **G. Dimauro**, G. Coppini, R. Maglietta, Estuary Salinity Prediction Using a Support Vector Machine Based Approach: A Case Study of the Po di Goro Estuary), 2023 IEEE International Workshop on Metrology for the Sea, Valletta, Malta, October 4-6, 2023
75. Saccotelli, L., Verri, G., De Lorenzis, A., Cherubini, C., **Dimauro, G.**, Coppini, G., & Maglietta, R. (2024). *Machine learning models for monitoring salinity in river estuaries: A case study of the Po River*. In *2024 IEEE International Workshop on Metrology for the Sea; Learning to Measure Sea Health Parameters* (pp. 137–141). IEEE. <https://doi.org/10.1109/MetroSea62823.2024.10765727>
76. C. Cherubini, L. Saccotelli, R. Caccioppoli, C. Fanizza, F. C. Santacesaria, R. Lecci, S. Causio, I. Federico, G. Cipriano, **G. Dimauro**, G. Coppini, S. Bellomo, R. Carlucci, R. Maglietta, Machine Learning to Predict Cetacean Behaviour Using Social and Environmental Features, , 2023 IEEE International Workshop on Metrology for the Sea, Valletta, Malta, October 4-6, 2023.
66. **G. Dimauro**, L. Simone, R. Carlucci, C. Fanizza, N. Lomonte, e R. Maglietta, «Automated and non-invasive UAV-based system for the monitoring and the group size estimation of dolphins», in 2022 7th International Conference on Smart and Sustainable Technologies, 2022, pp. 1–8. doi: 10.23919/SpliTech55088.2022.9854266.
67. M. T. Baldassarre, V. S. Barletta, **G. Dimauro**, D. Gigante, A. Pagano, e A. Piccinno, «Supporting Secure Agile Development: the VIS-PRISE Tool», in AVI 2022: Proceedings of the 2022 International Conference on Advanced Visual Interfaces, 2022, pp. 1–3. doi: 10.1145/3531073.3534494.
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