europass Curriculum vitae

PERSONAL INFORMATION

Marcella Massardi

Via Selvatico 18/3, San Giorgio di Piano (Bologna)

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massardi@ira.inaf.it marcella.massardi@postecert.it

Other info: Mother of Arianna (born 08 June 2012) and Ilaria (born 19 July 2014)

Gender Female | Date of birth 4 August 1980 | Nationality Italian

WORK EXPERIENCE

Oct 2022 – Present — National Qualification as Full Professor

02/C1 – Astronomy, Astrophysics, Physics of Earth and Planets – MUR, Italy

Oct 2022 - Present — National Qualification as Associate Professor

02/C1 – Astronomy, Astrophysics, Physics of Earth and Planets – MUR, Italy

Nov 2021 – Present — Member of the phd commitee in Astrophysics and Cosmology

Scuola Internazionale Superiore di Studi Avanzati, SISSA, Trieste, Italy

October 2023 – Present — Responsible of the Italian Node of the ALMA Regional Centre

INAF-Istituto di Radioastronomia, Bologna, Italy

April 2011 – September 2023 — Manager of the Italian Node of the ALMA Regional Centre

INAF-Istituto di Radioastronomia, Bologna, Italy

April 2011 – Present — Permanent position as Ricercatore III livello

INAF-Istituto di Radioastronomia, Bologna, Italy

Currently in III classe stipendiale.

The seniority in the role to the date of 28th of February 2023 will be 3 years and 11 months.

November 2008 – April 2011 — Post-Doc position

INAF-Osservatorio Astronomico di Padova, Italy

EDUCATION AND TRAINING

2004 – 2008 — Ph.D. in Astrophysics

Ph.D. Thesis: *"The extragalactic sources at mm wavelengths and their role as CMB foregrounds"*, under the supervision of Prof. Gianfranco De Zotti (INAF-OAPd), Ron D. Ekers (ATNF-CSIRO), Luigi Danese (SISSA)

Scuola Internazionale Superiore di Studi Avanzati, SISSA, Trieste

2004 – 2008 — Associated to INAF - OAPd as PhD student

2004 – 2008 — Enrolled as student in the Australia Telescope National Facilities Graduate Student Program

Under the supervision of Prof. Ron D. Ekers (ATNF-CSIRO)

Australia Telescope National Facilities - CSIRO - Australia

Mar – Oct 2004

Postgraduation grant

Project title:"*'Realizzazione di un database che raccolga tutte le informazioni presenti in letteratura sui cataloghi ACO e ROSAT'*" under the supervision of Prof. Gianfranco De Zotti (INAF-OAPd)

INAF-Osservatorio Astronomico di Padova

1999–2003

Master degree in Astrophysics

Master Thesis:"*The Sunyaev-Zel'dovich effect in galaxy clusters*" under the supervision of Prof. Sabino Matarrese (UNIPD), and Gianfranco De Zotti (INAF-OAPd)

Università degli studi di Padova

PERSONAL SKILLS

Mother tongue: Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
Common European Framework of Reference for Languages

Digital competences

SELF-ASSESSMENT				
Information Processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

Computer skills

Very good knowledge of Microsoft Windows and UNIX Linux.
Very good knowledge of OpenOffice, Microsoft Office (Word, Excel, PowerPoint).
Excellent knowledge of the data reduction packages Miriad, CASA, KARMA.
Excellent knowledge of image manipulation tools CARTA, KVIS, DS9.
Excellent knowledge of Latex.
Very good programming skills and knowledge of the languages Fortran 90, IDL, C-Shell, Python.

ADDITIONAL INFORMATION

Roles in international projects and collaborations

2026 – Present **Deputy Principal investigator for the ALMASPACE development study** approved by ESO.

2026 – Present **Co-lead of the "Data Archiving and Processing Working Group" in the ALMA2040 initiative.**

2026 – Present **Member of the international Advanced Data Product Working Group.**

2024 – Present **Member of the EU ARC Communication Infrastructure Working Group.**

2022 – Present **Principal Investigator for the "Serendipitous H-ATLAS-fields Observations in Radio-band of Extragalactic Sources' (SHORES) survey** to identify extragalactic sources extracted serendipitously from ATCA 2 GHz observations of patches in the Herschel-ATLAS SGP field. The survey was allocated 200 hr observing time at the Australia Telescope Compact Array in October 2022-January 2023.

2022 – Present **Founder member of the "Galaxy Observational and Theorethical Astrophysics" (GOThA) Group at SISSA**, an inter-disciplinary and inter-institutional team of researchers and PhD students aiming to investigate galaxy formation and evolution by combining state-of-the-art observational data with innovative theoretical modeling and data science techniques (https://gotha-1.jimdosite.com/).

2011 – Present **Member of the European ARC network Coordinating Committee**, collecting the responsibles and managers of all the European nodes of the ALMA Regional Centre network for the coordination of the activities of the whole network.

2021 – 2023 **Responsible for the Task Package 3 of the Working Group 6 of the SKA Regional Centre Steering Committee** dedicated to User community involvement, training and data challenges (https://indico.skatelescope.org/event/876/).

2020 – 2023 **Member of the EU ARC Visibility Group.** The group encloses members of the European ARC nodes interested in ALMA-related information and knowledge distribution among the European ALMA community.

2019 – 2023 **INAF National Responsible for the 2017 PRIN-MIUR "Opening the ALMA window on the cosmic evolution of gas, stars and supermassive black holes"**, Principal Investigator: A. Cimatti (University of Bologna). The INAF UdR was distributed over 5 institutes (OAPd, OAS, OATs, OAA, IRA https://www.miur.gov.it/documents/20182/424391/DD+n.++1580+Allegato+A+-+Settore+PE9.pdf).

2018 - 2022 **Principal Investigator of the Development Project for ALMA Upgrade "Additional Representative Images for Legacy (ARI-L)"** approved for execution in 2019 by the ALMA Director, JAO and ESO and funded by ESO. In 3 years, the project produced and ingested to the ALMA archive pipeline-generated images for more than 88.5% of ALMA cycle 2-4 projects, successfully overcoming all its goals. The project operated for 3.5 yr, with the participation of 18 people for about 10FTE and received a total amount of 228k€(https://almascience.eso.org/alma-data/aril).

2018-2022 **Responsible for the participation of the Italian ARC node and member of the WP1 of the ERC Synergy Grant 'BlackHoleCam'** Principal Investigator: Falcke. Involved in the imaging and calibration pipeline testing with CASA.

2018-2020 **Responsible for the ALMA Data Mining working group.** The ADAM group encloses members of the European ARC nodes interested to the development and user support of the the ALMA Science Archive.

2017-2019 **UdR responsible for the PRIN-INAF SKA/CTA "FORmation and Evolution of Cosmic STructures (FORECaST) with Future Radio Surveys"**, Principal Investigator: I. Prandoni (INAF-IRA).

2017 - 2018 **Principal Investigator of the Development Study for ALMA Upgrade "ALMA Re-Imaging (ARI)"** approved by the ALMA Director, JAO and ESO and funded by ESO (https://www.eso.org/sci/facilities/alma/development-studies/inaf1.html).

2016-2020 **Responsible for the WP5 'Access and knowledge distribution', Italian National Responsible, Member of the management team and of the General Assembly of the H2020 Project 'Advanced European Network of E-infrastructures for Astronomy with the SKA - AENEAS'**, Principal Investogators: Wise- VanHaarlem, (ASTRON). www.aeneas2020.eu. The project defined the conditions for the European network of SKA Regional Centres and the interaction scheme with its distributed user community (https://www.aeneas2020.eu/).

2013-2017 **Responsabile WP3 'ARC Development' of the PRIN MIUR 'i-ALMA'**, Principal Investigator: L. Testi. The project was intended to improve the condition to access and contribute to the ALMA development for the italian community (https://oajournals.fupress.net/index.php/cdg/article/view/8664/8662).

2012-2015 **Principal Investigator and national coordinator of the PRIN INAF 2012 'Looking into the dust-obscured phase through cosmic zoom lenses in the Herschel Astrophysical Terahertz Large Area Survey'**. The project investigated the properties of sub-mm galaxies at redshift > 1.5 exploiting gravitational lensing magnification with observations in sub-mm, radio and X-ray bands (http://www.inaf.it/it/notizie-inaf/decreto-49-13.pdf).

2013 – Present **Member of the "Evolutionary Map of the Universe" (EMU)** collaboration for a survey with ASKAP

2008-2017 **Member of the 'Herschel ATLAS collaboration**

2008-2012 **Member of the collaboration for the Australia Telescope 20 GHz Survey**

2004-2015 **Member of the 'Planck collaboration'**, Planck Scientist and member of the Core Team for the Planck Low Frequency Instrument

Honors & Awards

2018 **Gruber Prize for Cosmology 2018 as Planck Scientist**
https://gruber.yale.edu/recipient/planck-team

Teaching experiences

2025 Teacher to the "Summer School: The Birth of Solar Systems", Bertinoro, Italy.
https://europeanastrobiology.eu/the-birth-of-solar-planets-summer-school-homepage/

2024 Teacher to the "EU ALMA School", Manchester, UK.
https://sites.google.com/view/eu-alma-school-2024

2023 – Present Teacher for the "Observational astronomy" course to the Astrophysics and Cosmology PhD students at SISSA, Trieste, Italy.

2022 – Present Teacher for the "Radio to sub-mm astronomy" course to the Astrophysics and Cosmology PhD students at SISSA, Trieste, Italy.

2022 Teacher to the EU ARC "ALMA Archive School"
https://www.eso.org/sci/facilities/alma/arc/alma-archive-school2022.html

2015-2021 Teacher for the "Sub-mm astronomy" course to the Astrophysics and Cosmology PhD students at SISSA, Trieste, Italy.

2015 Teacher to the Scuola Nazionale di Astrofisica F. Lucchin for PhD students in Astrophysics
https://www.arcetri.inaf.it/leonardo.testi/scuola2015/

Supervision of Master and PhD student projects

2022 – Present **Martina Torsello** – PhD – SISSA, Trieste, Italy
Topic: Astrochemistry and statistical data analysis techniques – Co-Supervisors: Perrotta, Lapi

2021 – 2025 **Meriem Behiri** – PhD – SISSA, Trieste, Italy
"Charting the SHORES of the Radio Sky - Investigating extragalactic source populations through radio surveys" – Co-Supervisors: Lapi, Talia

2020 – 2024 **Maria Vittoria Zanchettin** – PhD – SISSA, Trieste, Italy
"AGN Feedback in local galaxies : a multiphase and multiscale perspective" – Co-Supervisors: Lapi, Fiore, Feruglio

2019-2023 **Marika Giulietti** – PhD – SISSA, Trieste, Italy
"Probing the Evolution of Dusty Star-Forming Galaxies at the Cosmic Noon via Strong Gravitational Lensing" – Co-Supervisor: Lapi – https://iris.sissa.it/handle/20.500.11767/134570

2018-2021 **Lara Pantoni** – PhD – SISSA, Trieste, Italy
"High-redshift Dusty Star Forming Galaxies: a panchromatic approach to constrain massive galaxy evolution" – Co-Supervisor: Lapi – https://iris.sissa.it/handle/20.500.11767/124751

2017-2018 **Quirino D'Amato** – PhD – University of Bologna
"The J1030 field: a new window on early large scale structures and faint radio-galaxy populations" – Co-Supervisor: Prandoni, Gilli – https://amslaurea.unibo.it/16377/

2017-2018 **Quirino D'Amato** – Master – University of Bologna
"On the dust and gas content of high-redshift galaxies hosting obscured AGN in the CDF-S" – Co-Supervisor: Vignali – https://amslaurea.unibo.it/16377/

2016-2017 **Giovanni Sabatini** – Master – University of Bologna
"Unveiling the inner morphology and gas kinematics of NGC 5135 with ALMA" – Co-Supervisor: Cimatti, Gruppioni, Pozzi http://amslaurea.unibo.it/14062/

2014-2018 **Vincenzo Galluzzi** – PhD – University of Bologna
"Multi-frequency polarimetric study of a complete sample of extragalactic radio sources: radio source populations and cosmological perspectives" – Co-Supervisor: Gregorini http://amsdottorato.unibo.it/8650/

2014 Proposer for the PhD thesis project "Multi-frequency study of radio source polarimetry in millimetric bands", approved in the 2014 INAF call for PhD thesis, funded by the i-ALMA Premiale project, and assigned to Vincenzo Galluzzi at University of Bologna.

2014 **Eleonora Bianchi** – Master – University of Bologna
"Observability of High Density Tracing Molecular Lines in Lensed Galaxies with the Atacama Large Millimeter Array" – Co-Supervisor: Gregorini https://amslaurea.unibo.it/7232/

2013 **Federico Panichi** – Master – University of Bologna

" La migrazione planetaria in un disco di planetesimi: Risultati analitici e numerici." – Co-Supervisor: Ciotti https://amslaurea.unibo.it/5675/

Responsibility of supervision of post doc and fixed term positions

2022 – Present **ARI-L fixed term positions** – funding and scientific responsible
Ivano Baronchelli (2024 – Present); Matteo Bonato (2021 – Present); Nicola Marchili (Ago–Dec 2021)
AENEAS H2020 project fixed term positions – funding and scientific responsible
Kazi Rygl (2018-2020); Elisabetta Liuzzo (May-Nov 2018)
I-ALMA PRIN MIUR post doc positions – funding and scientific responsible
Kazi Rygl (2015-2018); Claudia Mancuso (2017-2018)

2011 – Present **15 ARC post docs** – Co–supervisor with J. Brand (Responsible of the ARC and of fundings)
Ivano Baronchelli (2022 – 2024), Giovanni Sabatini (2021-2023), Matteo Bonato (2017-2021), Nicola Marchili (2018 - 2021), Sandra Burkutean (2016-2021), Alberto Sanna (2019-2020), Andrea Giannetti (2014, 2017-2019), Elisabetta Liuzzo (2013-2018), Eugenio Schisano (Jul-Nov 2018), Nuria Marcelino (2014-2016), Rosita Paladino (2011-2016), Arturo Mignano (2009-2016), Viviana Casasola (2011-2015), Jeremie Boissier(2011-2013), Alessandra Rossetti (2011-2012).

Contribution to observative Proposals

ALMA Principal Investigator of one successful ALMA proposal (2016.2.00172.S) and Co-I in more than 50 observative proposals with ALMA, of which more than 15 were successful. Contact Scientist for at least 90 observative proposals.

ATCA Principal Investigator of 5 successful ATCA proposal and Co-I of more than 20 ATCA proposal of which more than 15 were successful.

Chandra Principal Investigator of one successful Chandra proposal.

Others Co-I of several successful XMM, JVLA, PdB-NOEMA and APEX proposals.

Organization of events

International conferences

SOC of the 'SKA Open Science school', 8–10 May 2023, hybrid
SOC of the 'Meeting of the ALMA Young Astronomers', 6-10 March 2023, online https://www.eso.org/sci/facilities/alma/arc/maya2023.html
SOC, LOC, and trainer of the 'ALMA Archive School', 5-7 October 2022, Bologna https://www.eso.org/sci/facilities/alma/arc/alma-archive-school2022.html
SOC of the 'Meeting of the ALMA Young Astronomers', 2-4 March 2022, online https://ui.adsabs.harvard.edu/abs/2022Msngr.187...36M/abstract
SOC of the 'SRC Training event series: Hands on containerization', 27 January -14 February 2022, online https://indico.skatelescope.org/event/876/overview
SOC of the 'Multi-messenger astronomy with SKA precursors and pathfinders', 12-15 May 2019, Aveiro, Portugal http://mmska2019.av.it.pt
SOC of the 'Centimetre-Sub-Millimetre Q&U (and V) European Southern Observatory (QUESO) Workshop', 25-27 October 2017, Garching, Germany https://www.eso.org/sci/meetings/2017/QUESO2017.html
SOC of the 'The first Pietro Baracchi conference' 1-4 November 2016, Perth, Western Australia http://www.atnf.csiro.au/research/conferences/2016/Baracchi
LOC of the 'Views on the Interstellar Medium in galaxies in the ALMA era' 02-06 September 2019, Bologna, Italy

Italian ARC node events organized in Bologna, Italy https://arc.ira.inaf.it/past-events/

2026 LOC of the 'Unveiling band 2 conference', 24-26 February 2026

2025 LOC of the "Sesto Workshop sull'Astronomia Millimetrica in Italia", 3-6 June 2025
LOC of the 'ALMA proposal day 2025', 04 April 2025, online

2024 LOC of the 'ALMA proposal day 2024', 26 March 2024, online

2023 SOC and LOC of the Journey Across our Nifty-galaxy (JAN), 25-26 October 2023
LOC of the "Quinto Workshop sull'Astronomia Millimetrica in Italia", 12-14 June 2023

LOC of the 'ALMA proposal day 2023', 17 April 2023, online
2022 LOC of the 'ALMA proposal day 2022', 4 April 2022, online
2021 LOC of the 'ALMA proposal day 2021', 22 March 2021, online
2019 SOC and LOC of the 'SKA data. challenges workshop: analysis, archive, and access basics', 30 September- 02 October 2019
SOC and LOC of the 'ALMA Science and Proposals Workshop', 25-27 February 2019
2017 LOC of the 'Self-calibration and advanced imaging workshop' 11-13 December 2017
LOC of the 'Quarto Workshop sull'Astronomia Millimetrica in Italia', 7-10 November 2017
LOC of the 'ALMA proposal preparation day 2017', 4-5 April 2017
LOC of the 'ALMA Archive and Imaging Pipeline Workshop', 24-25 January 2017
2016 LOC of the 'ALMA proposal preparation day 2016', 11-12 April 2016
LOC of the 'ALMA Data Handling Workshop' 9-12 February 2016
2015 LOC of the 'ALMA proposal preparation day 2015', 9 April 2015
SOC and LOC of the 'Workshop on mm-VLBI with ALMA', 22-23 January 2015
SOC and LOC of the 'Terzo Workshop sull'Astronomia Millimetrica in Italia', 20 - 21 January 2015
2013 LOC of the 'ALMA proposal preparation day 2013', 21 November 2015
2012 SOC and LOC of the 'Secondo Workshop sull'Astronomia Millimetrica in Italia', 2-3 April 2012

Activities for IRA – INAF

2017 Member of the first committee for the organization of "Bologna Joint Astrophysical Colloquium"
October 2016 LOC of the lecture "How Maxwell discovered the Laws of Electromagnetism." by Sir. M. Longair at University of Bologna (https://fisica-astronomia.unibo.it/it/eventi/lezione-conferenza-sulla-genesi-delle-equazioni-di-maxwell)
2015-2017 Responsible of seminar and coffee–talk organization for INAF–IRA

Invited Talks to international conferences and seminars

2023 Invited speaker to the 'Meeting of the ALMA Young Astronomers' conference 6–10 March 2023, organized online by the EU ARC Network
2020 Invited speaker to the 'Exploiting Archives for Radio Astronomy in the SKA era' conference 23–25 November 2020 organized remotely by the Portuguese ALMA Centre of Expertise
2019 Invited speaker to the 'ALMA Development Studies 2019' conference 3–5 June 2019, ESO, Garching, Germania
2018 Invited speaker to the 'CMB foregrounds for B-mode studies' conference 15-18 october 2018, Tenerife, Spain
2018 Visiting astronomer and invited seminar at ASTRON 27-29 June 2018, Dwingeloo, Netherland https://twitter.com/AstroJoeC/status/1012322071039397889
2016 Invited speaker to the 'Innovation and Discoveries in Radioastronomy 2016' 13-17 September 2016, Queenstown, New Zealand http://www.atnf.csiro.au/research/conferences/2016/IDRA16/location.html
2016 Contributed talk to 'The Cosmic FIR Landscape' conference 4-6 May 2016, Lisbon, Portugal
2011 Invited speaker to the 'First ALMA community day' 5-6 May 2011, ATNF - Sydney, Australia
2011 Invited speaker to the "Planck 2011 conference - The millimeter and submillimeter sky in ther Planck mission era", 10-14 January 2011, Paris, France
2009 Visiting astronomer and invited seminar at ATNF, July 2009, Sydney, Australia
2008 Invited review speaker to the "CMB component separation and the physics of foregrounds", 14-18 July 2008, Pasadena, California
2007 Visiting astronomer and invited seminar at the Faculty of Science and Computing of Curtin University of Technology, August 2007, Perth, Australia

Memberships in evaluation committees

2017 – Present External member of the committee for the selection of students for the PhD Course in Astrophysics in 2017, 2019, and 2021, and internal member since 2022, at SISSA, Trieste, Italy
2024 Member of the review panel for the Chandra Telescope Cycle 26 observations
2019 – 2025 Member of the RadioNet review panel for Apertif archive and user portal (AALTA)
2019 Member of the review panel for the CTA North System Definition Review
2017,2021 Member of the committee appointed by the Ministero dell'Università e della Ricerca to evaluate the research products for VQR in 2017 and in 2021

2012 – Present Member of more than 15 committee for research grant postdoc positions and 4 TD researcher positions at INAF-IRA, Bologna

Activities as referee and Guest Editor

2023 – Present Guest Editor for the special issue "Observation and Detection of dusty star-forming galaxies" for the open access journal Galaxies.

2008 – Present Acted as referee for more than 15 papers to be published in MNRAS, APJ, A&A, PASP, Galaxies, Universe.

Technical reports, manuals, and products for scientific-technological support

2018-2022 The ARI-L project generated with the ALMA Pipeline and ingested in the ALMA Science Archive (https://almascience.eso.org/aq/?result_view=observations&observationsExternalCollections=ari_l) more than 150000 images for ALMA cycle 2-4 projects that were not previously available to ALMA Archive users. The calibrated measurement sets for the analyzed project are stored in INAF-IA2 repositories. M. Massardi as Principal Investigator of the project is responsible for all the delivered products and performed the quality assessment of all of them. The project reached its goal and was considered successfully completed in December 2022. The ARI-L website https://sites.google.com/inaf.it/ari-l includes details on the project, its products, and the links to the periodic project reports by M. Massardi submitted to ESO evaluation every 6 months during the project lifetime.

2022 Popping, G., et al., 2022, Interactions with the ESO Community During and After a Pandemic, The Messenger,188,43

2022 Massardi, M., et al., 2022, Overview of the Additional Representative Images for Legacy (ARI-L) Development Project for the ALMA Science Archive, The Messenger,188,31

2022 Muller, S., et al., 2022, The MAYA 2022 Conference: Propelling ALMA Early-career Astronomers into the Spotlight, The Messenger,187,36

2018 Massardi M. et al., "ALMA Memo No. 614 The ALMA Re-Imaging development study" 2018, ALMA memo series https://library.nrao.edu/public/memos/alma/main/memo614.pdf

2018 Liuzzo E., Massardi M. et al. , "ALMA FITS header keywords: a study from the archive User perspective." 2018, ALMA memo series https://library.nrao.edu/public/memos/alma/main/memo613.pdf

2015 Hatziminaoglou, E., et al., 2015, The European ALMA Regional Centre Network: A Geographically Distributed User Support Model, The Messenger,162,24

2011-2015 Public distribution of the POFF tool and source counts data and models for the analysis and the observations of extragalactic radio sources through the website http://w1.ira.inaf.it/rstools/

Full list of refereed Publications

Number of publications (refereed)	251 (160 + 1 book)
Refereed as first (second or last) author	17 (13)
Number of citing papers	17253
h-index (m-, g-, tori, read10 index)	64 (2.9, 162, 6.9, 318.5)

(statistics from NASA ADS database https://ui.adsabs.harvard.edu/)

Books

1 Massardi M., "The extragalactic sources at mm wavelengths: Large surveys and CMB foregrounds" 2010, LAP LAMBERT Academic Publishing, ISBN-10: 3838369211 https://www.amazon.it/extragalactic-sources-wavelengths-surveys-foregrounds/dp/3838369211/

Refereed first author papers

2 Massardi, Marcella, et al., 2025, SHORES: Serendipitous H-ATLAS-fields Observations of Radio Extragalactic Sources with the ATCA. I. Catalog Generation and Analysis, PASP,137,014101

3 Massardi, M., et al. 2022 Selecting a complete sample of blazars in sub-millimetre catalogues, MNRAS,513,6013 https://ui.adsabs.harvard.edu/abs/2022MNRAS.513.6013M

4 Massardi M., et al, 2021, The Additional Representative Images for Legacy (ARI-L) Project for the ALMA Science Archive, PASP, 133, 085001., https://ui.adsabs.harvard.edu/abs/2021PASP..133h5001M

5 Massardi M., et al., 2018, Chandra and ALMA observations of the nuclear activity in two strongly lensed star-forming galaxies, A&A, 610, A53, https://ui.adsabs.harvard.edu/abs/2018A&A...610A..53M

6 Massardi M., Galluzzi V., Paladino R., Burigana C., 2016, Polarization of extragalactic radio sources: CMB foregrounds and telescope calibration issues, IJMPD, 25, 1640009, https://ui.adsabs.harvard.edu/abs/2016IJMPD..2540009M

7 Massardi M., Bonaldi A., Bonavera L., De Zotti G., Lopez-Caniego M., Galluzzi V., 2016, The Planck-ATCA Co-eval Observations project: analysis of radio source properties between 5 and 217 GHz, MNRAS, 455, 3249, https://ui.adsabs.harvard.edu/abs/2016MNRAS.455.3249M

8 Massardi M., et al., 2013, A polarization survey of bright extragalactic AT20G sources, MNRAS, 436, 2915, https://ui.adsabs.harvard.edu/abs/2013MNRAS.436.2915M
9 Massardi M., Bonaldi A., Bonavera L., López-Caniego M., de Zotti G., Ekers R. D., 2011, The Planck-ATCA Co-eval Observations project: the bright sample, MNRAS, 415, 1597, https://ui.adsabs.harvard.edu/abs/2011MNRAS.415.1597M
10 Massardi M., et al., 2011, The Australia Telescope 20 GHz (AT20G) Survey: analysis of the extragalactic source sample, MNRAS, 412, 318, https://ui.adsabs.harvard.edu/abs/2011MNRAS.412..318M
11 Massardi M., Burigana C., 2010, The Planck On-the-Flight Forecaster (POFF), NewA, 15, 678, https://ui.adsabs.harvard.edu/abs/2010NewA...15..678M
12 Massardi M., Ekers R. D., Ellis S. C., Maughan B., 2010, High Angular Resolution Observation of the Sunyaev-Zel'Dovich Effect in the Massive z $\approx$ 0.83 Cluster Cl J0152-1357, ApJL, 718, L23, https://ui.adsabs.harvard.edu/abs/2010ApJ...718L..23M
13 Massardi M., Bonaldi A., Negrello M., Ricciardi S., Raccanelli A., de Zotti G., 2010, A model for the cosmological evolution of low-frequency radio sources, MNRAS, 404, 532, https://ui.adsabs.harvard.edu/abs/2010MNRAS.404..532M
14 Massardi M., López-Caniego M., González-Nuevo J., Herranz D., de Zotti G., Sanz J. L., 2009, Blind and non-blind source detection in WMAP 5-yr maps, MNRAS, 392, 733, https://ui.adsabs.harvard.edu/abs/2009MNRAS.392..733M
15 Massardi M., et al., 2008, The Australia Telescope 20-GHz (AT20G) Survey: the Bright Source Sample, MNRAS, 384, 775, https://ui.adsabs.harvard.edu/abs/2008MNRAS.384..775M
16 Massardi M., Lapi A., de Zotti G., Ekers R. D., Danese L., 2008, Observability of the virialization phase of spheroidal galaxies with radio arrays, MNRAS, 384, 701, https://ui.adsabs.harvard.edu/abs/2008MNRAS.384..701M
17 Massardi M., De Zotti G., 2004, Radio source contamination of the Sunyaev-Zeldovich effect in galaxy clusters, A&A, 424, 409, https://ui.adsabs.harvard.edu/abs/2004A&A...424..409M

Other Refereed Papers

18 Bosi, Michele, et al., 2025, StAGE: Stellar Archaeology-driven Galaxy Evolution, ApJ,984,117
19 Giulietti, M., et al., 2025, SEMPER: I. A novel semi-empirical model for the radio emission of star-forming galaxies at 0 < z < 5, AAP,697,A81
20 De Zotti, G., et al., 2024, Galaxy populations and redshift dependence of the correlation between infrared and radio luminosity, AAP,689,A272
21 Lapi, Andrea, et al., 2024, Semi-Empirical Estimates of the Cosmic Planet Formation Rate, Galaxies,12,49
22 Zanchettin, Maria Vittoria, et al., 2024, The Resolved Star Formation Law in NGC 7469 from JWST, ALMA, and VLA, ApJ,970,75
23 Gentile, Fabrizio, et al., 2024, Dark progenitors and massive descendants: A first ALMA perspective of radio-selected near-IR-dark galaxies in the COSMOS field, AAP,687,A288
24 Ronconi, T., et al., 2024, GalaPy: A highly optimised C$_{++}$/Python spectral modelling tool for galaxies. I. Library presentation and photometric fitting, AAP,685,A161
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Outreach, public engagement, and press releases

2023 "Alla scoperta della galassia invisibile" – Media INAF `https://www.media.inaf.it/2023/02/08/galassia-alma-lensing/`, also published on international press conference sites

2022 "The ARI-L project has reached its main goals" – ESO ARC Newsletter `https://www.eso.org/sci/facilities/alma/news/announcements/alma-ann181221111321121.html`

2022 "Overview of the Additional Representative Images for Legacy (ARI-L) Development Project for the ALMA Science Archive" – ESO Messenger (`https://www.eso.org/sci/publications/messenger/archive/no.188-sep22/messenger-no188-31-35.pdf`)

2022-2023 Astronomy Lectures to Elementary School – Lectures at Scuola primaria di primo grado "IC San Giorgio Di Piano" in San Giorgio di Piano (Bologna).

2021	Outreach seminar in the series "Novembre con L'astronomia" of the Gruppo astrofili della Val D'Alpone entitled "I perchè dei grandi radiotelescopi" (https://www.gastrofili.it/flayes/volantini-2017-2026/12952-2/)
2019	Interview to "Gente-" about ALMA observations of the Black Hole in M87 (https://www.pressreader.com/italy/gente-italy/20190420/281629601669172)
2015-2016	Astronomy for children at pre-school classes – Lectures at Scuola Materna "Aurora Battaglia" in San Giorgio di Piano (Bologna).
2013	Partecipazione agli eventi per la Notte Europea dei Ricercatori "Origins 2013" (https://www.lescienze.it/news/2013/09/25/news/origins_in_diretta_da_bologna_per_la_notte_dei_ricercatori-1821906/)
2011-2012	Tour guide at the Radiotelescopio di Medicina (IRA-INAF, Bologna)
2007	Interview for the Giornale di Brescia entitled "Marcella, in Australia per ascoltare il cielo"
2006	Tour guide at the Australia Telescope Compact Array open day (ATNF-CSIRO, Narrabri, NSW, Australia)

FINAL STATEMENTS

Le informazioni contenute nel presente "curriculum vitae et studiorum" sono rese sotto la personale responsabilità della sottoscritta, ai sensi degli articoli 46 e 47 del Decreto del Presidente della Repubblica 28 dicembre 2000, numero 445, e successive modifiche ed integrazioni, consapevole della responsabilità penale prevista dall'articolo 76 del medesimo Decreto per le ipotesi di falsità in atti e dichiarazioni mendaci

Date May 18, 2026

Signature Marcella Massardi