



Sergio Messina

Date of birth: 1968 | **Nationality:** Italian | **Gender:** Male | **Email address:**

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Address: via Santa Sofia 78, 95123, Italy (Work)

WORK EXPERIENCE

PERMANENT ASTRONOMER – NATIONAL INSTITUTE OF ASTROPHYSICS (INAF) – 1 Sep 2000 – Current – CATANIA, ITALY

WORK CONTRACT FOR RESEARCH – OSSERVATORIO ASTROFISICO DI CATANIA – 1998 – 1998 – CATANIA, ITALY

Completion of APT data reduction; Study of the connections between activity cycles deduced from chromospheric and photospheric indices

PHYSICS TEACHER SECONDARY SCHOOL – MIUR – 1993 – 1999 – ITALY

MATHEMATICS TEACHER SECONDARY SCHOOL – 1993 – 1999 – ITALY

WORK CONTRACT FOR RESEARCH – CATANIA ASTROPHYSICAL OBSERVATORY – 1994 – 1994 – CATANIA, ITALY

Reduction of photoelectric observations performed with the APT telescopes of Catania and Mt. Hopkins

EDUCATION AND TRAINING

NATIONAL SCIENTIFIC QUALIFICATION AS ASSOCIATE PROFESSOR (FIS/05) Ministero Istruzione Università e Ricerca

Final grade G1 - OTTIMO; G2 - BUONO; G3 - OTTIMO

2000 – 2000

SPECIALIZATION SCHOLARSHIP ABROAD Consorzio Nazionale per l'Astronomia ed Astrofisica

Villanova University (PA/USA) per collaborazione scientifica con il Prof. E.F. Guinan

1999 – 2000

POST-DOC FELLOWSHIP Università degli Studi di Catania

Studio delle stelle cromosfericamente attive e l'implementazione del telescopio automatico APT/80

15 MAR 2000

TEACHING QUALIFICATION MATHEMATICS AND PHYSICS Ministero Istruzione Università e Ricerca

Field of study Matematica e Fisica | **Final grade** 74.5/80

1999 – 1999

POST-DOC RESEARCH GRANT Consorzio Nazionale per l'Astronomia ed Astrofisica

Studio delle stelle cromosfericamente attive

Field of study Astronomia

1995 – 1998

PHD IN PHYSICS (ASTROPHYSICS CURRICULUM) Università degli Studi di Catania

Field of study Astrofisica | **Thesis** Long- and short- term variability of late-type stars

1994 – 1994

VISITING STUDENT Villanova University (PA/USA)

Corsi avanzati di Astronomia e Astrofisica con "Borsa di Studio di Perfezionamento presso Istituzioni Estere" dell'Università di Catania

Field of study Astronomia

NOV 1988 – DEC 1993

DEGREE IN PHYSICS Università degli Studi di Catania

Field of study Fisica (curriculum astrofisico) | **Final grade** 110/110 e Lode |

Thesis Messa a punto e calibrazione del telescopio automatico (APT-80) dell'Osservatorio Astrofisico di Catania

17 OCT 1990

CLARINET DIPLOMA Conservatorio "Vincenzo Bellini" di Catania

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B1	B2	B1	B1	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● SKILLS

Social Network | Posta elettronica | Microsoft Office | Utilizzo del browser | Windows | Google | linguaggi di Programmazione | Programming skills in FORTRAN, IDL, C, and Latex languages. | python

● ASSIGNMENTS

ANVUR referee (ANVUR National Agency for the Evaluation of the University System and Research)

External Referee for OPTICON (Optical Infrared Coordination Network for Astronomy)

Referee for Czech Science Foundation

Peer-review referee for international Journals

- Astronomy & Astrophysics (A&A),
- Publications of Astronomical Society of Pacific (PASP)
- Astronomische Nachrichten (AN)
- New Astronomy (NewA)
- Publications of Astronomical Society of Japan (PASJ)
- Bulletin of the Astronomical Society of India (BASI)

● RESPONSIBILITIES IN RESEARCH PROJECTS

P.I. INDO-ITALIAN PROGRAM OF COOPERATION IN SCIENCE AND TECHNOLOGY 2005-2007

Titolo del progetto: "Study of stellar magnetic activity in late-type stars" (No. INT/ ITALY/POC 2005-2007 Ph.T- 8).

Local Coordinator PRIN INAF 2010 " Planetary system at young ages and the interactions with their active host stars" (P.I. Desidera)

● **RESEARCH PROJECTS OF NATIONAL RELEVANCE**

PRIN INAF 2019 " Planetary Systems At Early Ages (PLATEA)" (P.I. Desidera)

FRONTIERA 2018 "Fostering high ResolutiON Technology and Innovation for Exoplanets and Research in Astrophysics" (P.I. Pagano)

INAF Call per interventi aggiuntivi a sostegno della ricerca MainStream in INAF "Stellar evolution and asteroseismology in the context of the PLATO space mission" (PI: S. Cassisi).

PRIN INAF 2014 "The GAIA-ESO Survey" (P.I. Randich)

PRIN INAF 2012 " The coordinated Synoptic Investigation of NGC2264 (CSINGC2264)" (P.I. Flaccomio)

PRIN INAF 2008 "Environmental effects in the formation and evolution of extrasolar planetary systems" (PI Lanza)

PRIN MIUR 2003 "Osservazioni e modelli chiave dell' impatto della attivita` magnetica sull' interno e l' atmosfera delle stelle" (Catalano)

PRIN MIUR 1998 "Fisica dell'attività e variabilità stellare" (P.I. Rodonò)

● **RESEARCH PROJECTS OF INTERNATIONAL RELEVANCE**

2010 - 2016

National Science Foundation "An RUI Comprehensive Investigation of Red Dwarf Stars: Ages, Rotation, Magnetic Dynamo Activity and Habitability of Hosted Planets"

P.I. Guinan @Villanova University (PA/USA)

Primary Program Source:040100 NSF RESEARCH & RELATED ACTIVITY