

Andrea Chiavassa

Laboratoire Lagrange, Observatoire de la Côte d'Azur, Nice, France

Telephone: +33 492 00 3027
andrea.chiavassa@oca.eu
<https://lagrange.oca.eu/fr/andrea-chiavassa>

EDUCATION

2008 Ph.D. in astrophysics at the University of Montpellier 2, Montpellier, France (advisor Bertrand Plez)
2004 M.Sc in Astrophysics at the University of Turin (Italy)
2002 Bachelor degree in Physics at the University of Turin (Italy)

EMPLOYMENT

2012 - Permanent associate scientist at Laboratoire Lagrange
2010 – 2012 Post-doctoral research at the Institute for Astronomy and Astrophysics, Free University of Brussels, Belgium
2008 – 2010 Post-doctoral research at Max Planck Institute for Astrophysics, Garching

RESEARCH

Key words Multidimensional radiative transfer and hydrodynamical simulations, convection in stellar surfaces across HR diagram, exoplanetary atmospheres interferometry, spectroscopy, astrometry, imagery.

Topics My research focuses on the theme of hydrodynamic and radiative multidimensional modelling of stellar atmospheres: from Main Sequence stage to red supergiant. It concerns the study of atmospheric dynamics, fundamental parameters, mass-loss, and the impact of stellar activity on the detection and characterization of planetary atmospheres.

Bibliometrics 98 publications whose 50 peer-reviewed articles (15 as first author), 2687 citations. H index 23 (August 2018)

HONORS, AWARDS, AND SCHOLARSHIPS

2016 - 2021 Member of the National Science committee for CNRS – Section 17
2013 - Member of the science team of HIRES (for ELT@ESO)
2018 October Co-organiser and chair of the « High Resolution Spectroscopy for Exoplanet atmospheres » workshop in Nice
2015 October Co-organiser and chair of « Exoplanetary Atmospheres and Habitability Thermodynamics, Disequilibrium and Evolution workshop » in Nice
2013 September Co-organiser and chair « VLT School 2013, High angular resolution for stellar physics » in Barcelonnette (France)
2014 - Member of PLATO
2011 - Member of GAIA
2010 Fonds de la recherche scientifique (FRNS, Belgium) research grant
2008 Max Planck Institute research grant
2011 - Referee for different peer-reviewed journals and European agencies