

Curriculum Vitae

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Personal information

Born in Rio de Janeiro, Brazil, in January 11, 1971.
Married to Cintia Quireza Campos, in 1996.
Son: André Campos Rocha Pinto, born in April 1997.

Research Interests

Stellar ages and abundances.
Solar-type stars.
Chromospheric activity.
Galactic structure.
Chemical evolution of the Galaxy.
Star formation.

Current Grant-Supported Research

FAPESP: “Galactic evolution and the chromospheric activity” (Ago 2000 — Sep 2001)

Academic and Professional Background

Education

Ph.D., Astronomy, Universidade de São Paulo, Brazil, 2000. Thesis: “A evolução do disco galáctico segundo as propriedades de suas anãs tardias.”¹
M.Sc., Astronomy, Universidade de São Paulo, Brazil, 1996.
B.Sc., Astronomy, Universidade Federal do Rio de Janeiro, Brazil, 1993.

Employment

Post-doctoral fellow, Instituto Astronômico e Geofísico. August, 2000 — present.
Assistant for public visitation, Museu de Astronomia e Ciências Afins. December, 1989 — May, 1990

Professional Affiliations

Sociedade Astronômica Brasileira
Sociedade Brasileira de Física

¹ The evolution of the galactic disk from the properties of its late-type dwarfs

Observational projects as principal investigator

Abundance ratios in chromospherically active stars. Laboratório Nacional de Astrofísica (LNA/CNPq): during 1998 and 1999, 1.60-meter telescope.

Metallicity distribution and the age—metallicity relation. Laboratório Nacional de Astrofísica (LNA/CNPq): several runs beginning in 1999, 1.60-meter telescope.

Other activities and information

Student-Member of the Academic Commission of the Astronomy Department for the undergraduate course of Astronomy, Universidade Federal do Rio de Janeiro, during the year 1993.

Student-Member of the Astronomy Department Council, Universidade de São Paulo, during November 1996 to October 1998.

UFRJ/FUJB Award, for Best Undergraduate Student Project in Astronomy during the year 1992.

Co-organizer of the web-based multilingual dictionary *Astronomia Terminaro*².

RESEARCH PAPERS

Refereed Journals

Rocha-Pinto H.J., Arany-Prado L.I. and Maciel W.J., *A Model for the Chemical Evolution of the Galaxy with Refuses*, *Astrophys. Space Sci.*, 211, 241-251 (1994).

Rocha-Pinto H.J. and Maciel W.J., *The Metallicity Distribution of G Dwarfs in the Solar Neighbourhood*, *Monthly Notices of the Roy. Astron. Soc.*, 279, 447-458 (1996).

Rocha-Pinto H.J. and Maciel W.J., *The G dwarf metallicity distribution and the problem of stellar lifetimes lower than the disk age*; *Astronomy & Astrophysics*, 325, 523-528 (1997).

Rocha-Pinto H.J. and Maciel W.J., *History of the star formation in the local disk from the G dwarf metallicity distribution*; *Monthly Notices of the Roy. Astron. Soc.*, 289, 882-888 (1997)

² <http://www.esperanto.org/AEK/AT>

Rocha-Pinto H.J. and Maciel W.J., *Metallicity effects on the chromospheric activity-age relation for late-type dwarfs*; Monthly Notices of the Roy. Astron. Soc., 298, 332-346 (1998).

Maciel W.J. and **Rocha-Pinto H.J.**, *The determination of the IMF on the basis of a recently derived SFR history in the solar neighbourhood*; Monthly Notices of the Roy. Astron. Soc., 299, 889-894 (1998).

Rocha-Pinto H.J. and Maciel W.J., *Consistency of the metallicity distributions of F, G and K dwarfs*; Astronomy & Astrophysics, 339, 791-801 (1998).

Rocha-Pinto H.J., Scalo J., Maciel W.J., Flynn C., *An Intermittent Star Formation History in a 'Normal' Disk Galaxy: The Milky Way*; Astrophys. Journal Letters, 531, L115 (2000).

Rocha-Pinto H.J., Maciel W.J., Scalo J., Flynn C., *Chemical enrichment and star formation in the Milky Way disk. I. Sample description and chromospheric age—metallicity relation*, Astronomy & Astrophysics, 358, 850 (2000)

Rocha-Pinto H.J., Scalo J., Maciel W.J., Flynn C., *Chemical enrichment and star formation in the Milky Way disk. II. Star formation history*, Astronomy & Astrophysics, 358, 869 (2000)

Invited reviews

Rocha-Pinto H.J., *Chemical Enrichment and Star Formation in the Galactic Disk*, in MPA workshop: Modes of Star Formation and the Origin of Field Population, ed. E. Grebel, Heidelberg, 2001, in print

Conference proceedings

Rocha-Pinto H.J., Arany-Prado L.I. and Maciel W.J., *Some Refinements in Chemical Evolution Models. 2- A One-zone Model with Refuses*, Revista Mexicana de Astron. y Astrof., 26, 120 (1993).

Rocha-Pinto H.J. and Maciel W.J., *A New Metallicity Distribution of G Dwarfs in the Solar Neighbourhood*, Revista Mexicana de Astron. y Astrof. Conf. Ser., 4, 130 (1996)

Rocha-Pinto H.J. and Maciel W.J., *History of The Star Formation Rate in the Solar Neighbourhood from the G Dwarf Metallicity Distribution*, Revista Mexicana de Astron. y Astrof. Conf. Ser., 4, 87 (1996)

Quireza C., **Rocha-Pinto H.J.** and Arany-Prado L.I., *The Evolution of the Abundance Ratios of Neutron Capture Elements*, Revista Mexicana de Astron. y Astrof. Conf. Ser., 4, 108 (1996)

Rocha-Pinto H.J. and Maciel W.J., *The History of the Star Formation Rate in the Local Disk*, Star Formation Near and Far; eds. S. Holt, L. Mundy; AIP Press, p. 437 (1997)

Rocha-Pinto H.J., Maciel W.J., Scalo J., Flynn C., *Age—Metallicity Relation and Star Formation History of the Galactic Disk*, Ap. Space Sci., 265, 245 (1999).

Rocha-Pinto H.J., Castilho B.V. and Maciel W.J., *Lithium in chromospherically active stars with large velocity components*, IAU Symposium 198: The Light Elements and Their Evolution, eds. L. da Silva, M. Spite, J.R. de Medeiros, ASP, p. 512 (2000)

São Paulo, May 10, 2001

Helio J. Rocha-Pinto