

Prof. Dr. Gustavo E. Romero

PERSONAL DATA

- **Birth date:** 20/09/1964.
- **Place of birth:** La Plata, Buenos Aires, Argentina.
- **Nationality:** Argentine/Italian.
- **Address:** La Plata, Argentina.



EDUCATION

- **Diploma in Physics** awarded 1991, Universidad Nacional de La Plata, Argentina.
- **Dr. rer. nat. in Physics** awarded 1995, Universidad Nacional La Plata, Argentina.

CURRENT POSITIONS

- Since 2005, **Full Professor of Relativistic Astrophysics**, Universidad Nacional de La Plata, Argentina
- Since 2014, **CONICET Superior Researcher**, Argentine Institute for Radio Astronomy (IAR), Argentina.
- Since 2017, **Helmholtz International Fellow**, Karlsruhe Institute of Technology (KIT), Germany.
- Since 2018, **Director of Argentine Institute for Radio Astronomy**, Argentina.

PREVIOUS POSITIONS

- 1995-1997: **Postdoctoral Researcher**, CONICET.
- 1997-1998: **Postdoctoral Researcher**, University of São Paulo, Brazil.
- 1998-2014: **Research Scientist**, CONICET.
- 1998-* : **Visiting Research Scientist**: Universities of Paris, Hong Kong, Barcelona, Jaén, Mexico, Liege, Amsterdam, Guangzhou, Seville, Bologna, ICRA (Pescara), KIT (Karlsruhe), MPIfK (Heidelberg), MPIfR (Bonn), IAG (São Paulo), CBPF (Rio de Janeiro) and UERJ (Rio de Janeiro).

SUPERVISION

- 24 master and diploma thesis.
- 16 PhD thesis.

PUBLICATIONS

- 480+ papers and reviews, 13 books.
- H-index: 60, (13000+ citations).
- H-index (since 2017): 33, (4500+ citations).

SOME HONORS AND AWARDS

- Houssay Prize (twice 2003 and 2009) awarded by the Ministry of Science and Technology of Argentina.
- Gaviola Prize (2003) awarded by the National Academy of Sciences (Argentina).
- Sérsic Prize (2009) awarded by the Argentine Astronomical Society.
- Honorable Mention (twice 1998 and 2011) Gravity Research Awards, The Gravity Research Foundation.
- Helmholtz International Fellowship Award, Helmholtz Association, Germany.

- Illustrious Graduate, University of La Plata, 2019.

FIVE SELECTED PUBLICATIONS - LAST 5 YEARS

1. **Romero, G.E.**, M. Boettcher, S. Markoff, F. Tavecchio, *Relativistic Jets in Active Galactic Nuclei and Microquasars*, Space Sci. Rev., **207 (2017)**, 5-61.
2. **Romero, G.E.**, Müller, A. L., & Roth, M., *Particle acceleration in the superwinds of starburst galaxies*, A&A, Vol. **616 (2018)**, id.A57, 13 pp.
3. Müller, A.L. & **Romero, G.E.**, *Radiation from the impact of broad-line region clouds onto AGN accretion disks*, A&A, Vol. 636 (2020), id.A92, 9 pp.
4. **Romero, G.E.**, & Gutiérrez, E., *The Origin of Matter at the Base of Relativistic Jets in Active Galactic Nuclei*, Universe, Vol. **6 (2020)**, issue 7, p. 99.
5. Pittard, J.M., **Romero, G.E.**, & Vila, G.S., *Particle acceleration and non-thermal emission in colliding-wind binary systems* MNRAS, Vol. **504 (2021)**, Issue 3, 4204-4225.

SOME BOOKS

1. *Jets at all Scales*, G.E. Romero, R. Sunyaev, T. Belloni (eds), ISBN: 978-0-521-76607-4 hardback Hardcover, 420 p. Cambridge University Press, Cambridge, 2011.
2. *Introducción a la Astrofísica Relativista*, G.E. Romero, J.M. Paredes, ISBN: 978-84-475-3529-3, Softcover, 185 p. Universitat de Barcelona Press, Barcelona, 2011. Reprinted 2022.
3. *Introduction to Black Hole Astrophysics*, G.E. Romero, G.S. Vila, ISBN: 978-3-642-39595-6, Softcover, 318 p. 96 illus., 47 illus. in color. Springer, Lecture Notes in Physics, Vol. 876, Berlin, 2014.
4. *Scientific Philosophy*, G.E. Romero, ISBN: 978-3-319-97630-3, DOI: 10.1007/978-3-319-97631-0, Hardcover, 188 pp. Springer, Cham, Switzerland, 2018.
5. *Contemporary Materialism: Its Ontology and Epistemology*, G.E. Romero, J. Pérez-Jara, L. Camprubí (Eds.) Synthese Library Vol. 447, ISBN: 978-3-030-89487-0, DOI: 10.1007/978-3-030-89488-7 Hardcover, 317 pp. Springer International Publishing, Cham, Switzerland, 2022.