

## Juan Facundo Albacete Colombo

**Address:** Observatorio Astronómico of La Plata  
Paseo del Bosque S/N  
B1900FWA La Plata  
Argentina  
**Phone:** (0054-2920) 425752  
**e-mail:** donfaca@gmail.com  
**web-page:** <http://argox.fis.ucm.es/users/donfaca>  
**Born:** August 24, 1971 in Bahía Blanca, Bs.As., Argentina.  
**Nationality:** Argentina / Italy

**CURRENT POSITION:** Associated researcher of CONICET - Comahue national University (CURZA), Argentina

### ACADEMIC RECORDS:

1997-1998: Summer fellow at the Complejo Astronómico El Leoncito, San Juan, Argentina.  
1998-1999: Fellow of National Research Council of Argentina.  
1999 M.Sc. in Astronomy, University of La Plata (Argentina),  
with a grade average of 8.06 (out of a maximum of 10).  
2003 PhD in Astronomy, University of La Plata (Argentina).  
with a grade average of 10 (out of a maximum of 10).  
**Advisor:** Dr. Nidia Morrell.  
**Co-advisor:** Dr. Virpi Niemela.  
**Subject:** Optical and X-ray study of Early O-type stars in the Carina Nebula.  
2000-2004: PhD fellowship, Research Council of CIC, Buenos Aires, Argentina.  
2004-2005: Post-doctoral fellowship, CONICET, Buenos Aires, Argentina.  
2005-2007 Post-doc Marie Curie at the Osservatorio Astronomico di Palermo (Italy).

### POSITIONS HELD:

1995-1995: Teaching assistant, Physics, Univ. of La Plata.  
1999-2000: Teaching assistant, Statistics, Univ. of La Plata.  
1999-2000: Teaching assistant, Physics, Univ. of La Plata.  
2000-2000: Teacher of the admittance course of computational sciences, Univ. of La Plata.  
2000-2000: Teacher of the admittance course of physics and mathematics, Univ. of La Plata.  
2002-2002: Teacher of the admittance course of engineer sciences, Univ. of La Plata.  
2002-2004: Teaching assistant, Mathematical Analysis, Univ. of La Plata.  
2010- : Professor, Mathematical Analysis, Univ. of Rio Negro.

### OBSERVING EXPERIENCE:

- About 25 nights with low and high resolution spectrograph at the 2.15-m telescope of the Complejo Astronómico El Leoncito, San Juan (Argentina).
- Three nights as assistant astronomers in the Magellan Baade 6.5-m telescope at the Cerro Tololo International Observatory, La Serena, Chile.
- Several submitted-accepted proposals to the XMM-Newton and Chandra satellites.

### ADMINISTRATIVE-SCIENTIFIC DUTIES:

- Referee of the Astronomy & Astrophysics Journal.
- Referee of the CONICET for the acceptance of external scientists.
- Member of the 2010 Gemini NTAC panel.

### COLLOQUIA, CONFERENCES & MEETINGS

- Workshop *The Eta Carina Region: A Laboratory of Stellar Evolution*, La Plata, ARG, Dates: November 22-26, 1993.

- Workshop *Colliding Winds In Binary Stars*, La Plata, ARG. Dates: November 21-24, 1995.
- *IXL* Meeting of the Argentinean Association of Astronomy, La Plata, ARG. Dates: September 16-19, 1996.
- *XL* Meeting of the Argentinean Association of Astronomy, San Juan, ARG. September 22-25, 1997.
- International Workshop on *Hot stars in open clusters of the galaxy and the Magellanic Clouds*, La Plata, ARG. December 1-5, 1997.
- *XLII* Meeting of the Argentinean Association of Astronomy, La Plata, ARG. September 15-25, 1998.
- *XLIII* Meeting of the Argentinean Association of Astronomy, Rosario, ARG. September 21-25, 1999.
- *XLIV* Meeting of the Argentinean Association of Astronomy, Tucuman, ARG. September 19-23, 2000.
- Regional Workshop for Latin American Astronomers: Data processing for the XMM-Newton and CHANDRA missions, Sao José dos Campos, Brazil. December 4-13, 2001.
- International School for Young Astronomers, CASLEO, San Juan, ARG. Dates: August 12-31, 2002.
- *XLVI* Anual meeting of the Argentinian Astronomical Society, La Plata, ARG. September 22-26, 2003.
- *XLVII* Meeting of the Argentinean Association of Astronomy, San Juan, ARG. September 20-25, 2004.
- *IAU Symposium 227*. - "*Massive Star Birth: A Crossroads of Astrophysics*", Acireale, Italia. Dates May 16-20.
- *Joint European and National Astronomy Meeting (JENAM)*. - "*Distant Worlds*" "Massive Stars and High-Energy Emission in OB Associations", Liège, Belgium. Dates: July 4-7, 2005
- *ESA Official Conference*. - "*The X-ray Universe 2005*", San Lorenzo del Escorial, Madrid, España. Dates: September 26-30, 2005.
- *Mass loss from stars and the evolution of stellar clusters*, Lunteren, The Netherlands. Dates: June 29 - May 1, 2006.
- *General Assembly of the IAU XXI*, Praga, Check Republic. Dates August 14-25, 2006.
- *14th COOL star meeting*, Pasadena (California), EEUU. Dates: November 5-10, 2006.
- 75<sup>th</sup> Aniversary of the ICSU program: "Scientific challenges of the XXI", Lindau, Germany. Dates: April 4-6, 2007.
- *L* Meeting of the Argentinean Association of Astronomy, 14 to 19 September 2007, Malargue, Mendoza, Argentina.
- *ESA Official Conference*. - "*The X-ray Universe 2008*", 27 to 30 May, 2008, Granada, España.
- *Multi-wavelength international school*, 26 June to 9 July 2009, Paris, France.

## PUBLICATION IN REFEREED JOURNALS

1. **The orbit of the O3V + O8V binary system HD 93205**  
Authors: Corti M., Albacete Colombo J.F., Morrell N. & Niemela V.  
Ref: Rev.Mex.AASC. 1999, **8**, p137.
2. **Optical spectroscopy of X-MEGA targets in the Carina Nebula. I. CPD-59° 2635: A new Double-Lined O type Binary.**  
Authors: Albacete Colombo J.F., Morrell N., Niemela V. & Corcoran M.  
Ref: MNRAS, 2001, **326**, p78.
3. **Optical spectroscopy of X-MEGA targets in the Carina Nebula. II. The Massive Double Lined O-Type Binary HD 93205**  
Authors: Morrell N., Barbá R., Niemela V., Corti M., Albacete Colombo J.F., Rauw G., Corcoran M., Morel T., Bertrand J-F., Moffat A.F.J & St-Louis N.  
Ref: MNRAS, 2001, **326**, p85.
4. **Optical spectroscopy of X-MEGA targets in the Carina Nebula. III. The multiple system Tr 16-104 (= CPD-59° 2603)**  
Authors: G. Rauw, H. Sana, I.I. Antokhin, N.I. Morrell, V.S. Niemela, J.F Albacete Colombo, E. Gosset, J-M. Vereux.  
Ref: MNRAS, 2001, **326**, p1149.
5. **Optical study of Chemical Abundances in mCP HD 206653**  
Authors: Albacete Colombo J. F., López García Z., Levato H., Grosso M., & Malaroda S.  
Ref: A&A, 2002, Vol 2, **392**, p613.
6. **Optical spectroscopy of X-MEGA targets in the Carina Nebula. IV. A new O-type multiple system CPD-59° 2636**  
Authors: Albacete Colombo J.F., Morrell N., Rauw G., Corcoran M., Niemela V., & Sana H.  
Ref: MNRAS, 2002, **336**, p1099.
7. **XMM-Newton X-ray observations of the Carina Nebula**  
Authors: Albacete Colombo J.F., Méndez M., Morrell N.  
Ref: MNRAS, 2003, **346**, p704- 718.
8. **G287.84–0.82: An Infrared star cluster in the Carina Nebula.**  
Authors: Hägele G.F., Albacete Colombo J.F., Barbá R., & Bosch G.  
Ref: MNRAS, 2004, **355**. p1237.
9. **Radio Detection of Colliding Wind Binaries.**  
Authors: Benaglia, P., Koribalski, B., Albacete Colombo, J.F.  
Ref: PASA, 2006, **23**, p50.
10. **Optical spectroscopy of X-Mega targets in the Carina nebula - VI. FO15: a new O-type double-lined eclipsing binary.**  
Authors: Niemela, V. S.; Morrell, N. I.; Fernandez Lajs, E.; Barb, R., Albacete Colombo, J. F. & Orellana, M.  
Ref: 2006, MNRAS, **367**, p1450.
11. **XMM-Newton Detection of the Supernova Remnant G337.2+0.1.**  
Authors: Combi, J.A., Albacete Colombo, J.F., Romero, G.E. & Benaglia, P.  
Ref: 2006, ApJL, **653**, p41.
12. **Unveiling the Cygnus OB2 stellar population with Chandra**  
**Autores:** J. F. Albacete-Colombo, E. Flaccomio, G. Micela, S. Sciortino & F. Damiani.  
Ref.: 2007, A&A, **464**, p211.

13. **Hard X-ray emission from the SNR G337.2+0.1**  
**Autores:** J. Combi, J. F. Albacete-Colombo, G. Romero, P. Benaglia  
 Ref.: 2007, *Astrophysics & Space Science*, **April**, p142.
14. **X-ray variability of low-mass stars in the CygnusOB2 region**  
**Autores:** J. F. Albacete-Colombo, M. Caramazza, E. Flaccomio, G. Micela, & S. Sciortino  
 Ref.: 2007, *A&A*, **464**, p495.
15. **A new search strategy for MQs candidates using NVSS/2MASS and XMM data**  
**Autores:** Combi, J. A.; Albacete-Colombo, J. F.; Marti, J.  
 Ref.: 2008, *A&A*, **477**, p125.
16. **The periodicity of the  $\eta$  Carinae events**  
**Autores:** Daminelli, A.; Hillier, D. J.; Corcoran, M. F.; Stahl, O.; Levenhagen, R. S.;  
 Leister, N. V.; Groh, J. H.; Teodoro, M.; Albacete-Colombo, J. F.; Gonzalez, F.  
 Ref.: 2008, *MNRAS*, **384**, p1649.
17. **A multispectral view of the periodic events in  $\eta$  Carinae**  
**Autores:** Daminelli, A. A.; Hillier, D. J.; Corcoran, M. F.; Stahl, O.; Levenhagen, R. S.;  
 Leister, N. V.; Groh, J. H.; Teodoro, M.; Albacete-Colombo, J. F.; Gonzalez, F.  
 Ref.: 2008, *MNRAS*, **386**, p2330.
18. **X-rays and Winds in Massive Stars of Cygnus OB2**  
**Autores:** Albacete-Colombo, J. F.; Micela, G.; Flaccomio, E.; Sciortino, S.  
 Ref.: 2008, *ASPC*, **388**, p139
19. **Discovery of thermal X-ray emission in supernova remnant G337.8-0.1 (Kes 41)**  
**Autores:** Combi, J. A.; Albacete-Colombo, J. F.; Mart, J.  
 Ref.: 2008, *A&A*, **488**, L25
20. **An X-ray survey of low-mass stars in Trumpler 16 with Chandra**  
**Autores:** Albacete-Colombo, J. F.; Damiani, F.; Micela, G.; Sciortino, S.; Harnden, F. R.,  
 Jr.  
 Ref.: 2008, *A&A*, **490**. p1055.
21. **The Missing Goliath's Slingshot: Massive Black Hole Recoil at M83**  
**Autores:** Dottori, H.A., Días, R., Albacete-Colombo, J. F. & Mast, D.  
 Ref.: 2010, Accepted for publication in *ApJ Letter*.

**OTHERS:**

- Besides Spanish (my native language), my second language is Italian. Furthermore, I can speak, read, write, and understand English reasonably well.
- Good knowledge of Linux, and UNIX operative systems.
- Experience using X-ray calibration and analysis software: *IDL*, *SAS*, *CIAO*, *XSPEC*, *XIMAGE*, *XRONOS*, *FTOOLS*.
- Experience in the use of *IRAF*.
- Experience using Telescopes (High/Low resolution Spectrograph).