

## Asst. Prof. Massimiliano DE PASQUALE

### Personal Information

**Office Phone:** [+90 212 440 0000](tel:+902124400000) Extension: 10288

**Fax Phone:** [+90 212 440 0370](tel:+902124400370)

**Email:** m.depasquale@istanbul.edu.tr

**Web:** <https://avesis.istanbul.edu.tr/m.depasquale>

**Address:** Astronomi ve Uzay Bilimleri Bölümü, 34119, Üniversite, Beyazıt, İstanbul

### International Researcher IDs

ORCID: 0000-0002-4036-7419

Publons / Web Of Science ResearcherID: AAC-5695-2020

ScopusID: 55620663500

Yoksis Researcher ID: 258194

### Education Information

Doctorate, Universita Degli Studi di Roma La Sapienza, Department Of Physics, Italy 1999 - 2002

Postgraduate, Universita Degli Studi di Messina, Natural Sciences, Italy 1993 - 1999

### Dissertations

Doctorate, "Progenitors and energy sources of Gamma-ray Bursts: a study of BeppoSAX observation archive", Universita Degli Studi di Roma La Sapienza, Science Faculty, Department Of Physics, 2003

### Research Areas

Physics, Astronomy and Astrophysics, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Istanbul University, Faculty of Science, Astronomy and Space Sciences, 2018 - Continues

Assistant Professor, Istanbul University, Faculty of Science, Astronomy and Space Sciences, 2016 - 2018

Expert, University College London, Mullard Space Science Laboratory, Swift/Uvot Instrument, 2015 - 2016

Expert, University College London, Mullard Space Science Laboratory, Swift/Uvot, 2013 - 2014

Expert, University of Nevada, Las Vegas, Physics, Physics, 2011 - 2012

Expert, University College London, Mullard Space Science Laboratory, Swift/Uvot, 2004 - 2011

Expert, Universita Degli Studi di Roma La Sapienza, Physics, Institute Of Space Astrophysics And Cosmic Physics, 2002 - 2004

### Published journal articles indexed by SCI, SSCI, and AHCI

#### I. The Peculiar Short-duration GRB 200826A and Its Supernova

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- II. **The supernova of the MAGIC gamma-ray burst GRB190114C**  
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- III. **Exploration of the high-redshift universe enabled by THESEUS**  
Tanvir N. R., Le Floc'h E., Christensen L., Caruana J., Salvaterra R., Ghirlanda G., Ciardi B., Maio U., D'Odorico V., Piedipalumbo E., et al.  
EXPERIMENTAL ASTRONOMY, vol.52, no.3, pp.219-244, 2021 (SCI-Expanded)
- IV. **Swift/UVOT follow-up of gravitational wave alerts in the O3 era**  
Oates S. R., Marshall F. E., Breeveld A. A., Kuin N. P. M., Brown P. J., De Pasquale M., Evans P. A., Fenney A. J., Gronwall C., Kennea J. A., et al.  
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- V. **GRB 140102A: insight into prompt spectral evolution and early optical afterglow emission**  
Gupta R., Oates S. R., Pandey S. B., Castro-Tirado A. J., Joshi J. C., Hu Y., Valeev A. F., Zhang B. B., Zhang Z., Kumar A., et al.  
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- VI. **Swift Multiwavelength Follow-up of LVC S200224ca and the Implications for Binary Black Hole Mergers**  
Klingler N. J., Lien A., Oates S. R., Kennea J. A., Evans P. A., Tohuvavohu A., Zhang B., Page K. L., Cenko S. B., Barthelmy S. D., et al.  
ASTROPHYSICAL JOURNAL, vol.907, no.2, 2021 (SCI-Expanded)
- VII. **Observational constraints on the optical and near-infrared emission from the neutron star-black hole binary merger candidate S190814bv**  
Ackley K., Amati L., Barbieri C., Bauer F. E., Benetti S., Bernardini M. G., Bhirombhakdi K., Botticella M. T., Branchesi M., Brocato E., et al.  
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Vielfaure J. -, Vergani S. D., Japelj J., Fynbo J. P. U., Gronke M., Heintz K. E., Malesani D. B., Petitjean P., Tanvir N. R., D'Elia V., et al.  
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- IX. **Fermi and Swift Observations of GRB 190114C: Tracing the Evolution of High-energy Emission from Prompt to Afterglow**  
Ajello M., Arimoto M., Axelsson M., Baldini L., Barbiellini G., Bastieri D., Bellazzini R., Berretta A., Bissaldi E., Blandford R. D., et al.  
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- X. **Swift spectra of AT2018cow: a white dwarf tidal disruption event?**  
Kuin N. P. M., Wu K., Oates S., Lien A., Emery S., Kennea J. A., de Pasquale M., Han Q., Brown P. J., Tohuvavohu A., et al.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.487, no.2, pp.2505-2521, 2019 (SCI-Expanded)
- XI. **The early optical afterglow and non-thermal components of GRB 060218**  
Emery S. W. K., Page M. J., Breeveld A. A., Brown P. J., Kuin N. P. M., Oates S. R., DE PASQUALE M.  
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- XII. **Observatory science with eXTP**  
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- XIII. **X-shooter and ALMA spectroscopy of GRB 161023A A study of metals and molecules in the line of sight towards a luminous GRB**  
DE UGARTE POSTIGO A., THONE C. C., BOLMER J., Schulze S., MARTIN S., KANN D. A., D'ELIA V., Selsing J., Martin-

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- XV. **Low-frequency View of GW170817/GRB 170817A with the Giant Metrewave Radio Telescope**  
 Resmi L., Schulze S., Ishwara-Chandra C. H., Misra K., Buchner J., DE PASQUALE M., Sanchez-Ramirez R., Klose S., Kim S., Tanvir N. R., et al.  
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- XVI. **THESEUS: A key space mission concept for Multi-Messenger Astrophysics**  
 Stratta G., Ciolfi R., Amati L., Bozzo E., Ghirlanda G., Maiorano E., Nicastro L., Rossi A., Vinciguerra S., Frontera F., et al.  
 ADVANCES IN SPACE RESEARCH, vol.62, no.3, pp.662-682, 2018 (SCI-Expanded)
- XVII. **Cosmic evolution and metal aversion in superluminous supernova host galaxies**  
 Schulze S., KRUEHLER T., Leloudas G., GOROSABEL J., MEHNER A., BUCHNER J., KIM S., IBAR E., AMORIN R., HERRERO-ILLANA R., et al.  
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- XVIII. **Swift and NuSTAR observations of GW170817: Detection of a blue kilonova**  
 Evans P. A., Cenko S. B., Kennea J. A., Emery S. W. K., Kuin N. P. M., Korobkin O., Wollaeger R. T., Fryer C. L., Madsen K. K., Harrison F. A., et al.  
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- XIX. **ALMA and GMRT Constraints on the Off-axis Gamma-Ray Burst 170817A from the Binary Neutron Star Merger GW170817**  
 Kim S., Schulze S., Resmi L., Gonzalez-Lopez J., Higgins A. B., Ishwara-Chandra C. H., Bauer F. E., de Gregorio-Monsalvo I., De Pasquale M., de Ugarte Postigo A., et al.  
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 ROMING P. W. A., KOCH T. S., OATES S. R., PORTERFIELD B. L., BAYLESS A. J., BREEVELD A. A., GRONWALL C., KUIN N. P. M., PAGE M. J., DE PASQUALE M., et al.  
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- XXII. **Evidence for the magnetar nature of 1E 161348-5055 in RCW 103**  
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- XXIV. **A CORRELATION BETWEEN THE INTRINSIC BRIGHTNESS AND AVERAGE DECAY RATE OF GAMMA-RAY BURST X-RAY AFTERGLOW LIGHT CURVES**  
 Racusin J. L., Oates S. R., de Pasquale M., Kocevski D.  
 ASTROPHYSICAL JOURNAL, vol.826, no.1, 2016 (SCI-Expanded)
- XXV. **The central engine of GRB 130831A and the energy breakdown of a relativistic explosion**  
 De Pasquale M., Oates S. R., Racusin J. L., Kann D. A., Zhang B., Pozanenko A., Volnova A. A., Trotter A., Frank

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MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.455, no.1, pp.1027-1042, 2016 (SCI-Expanded)
- XXVI. Exploring the canonical behaviour of long gamma-ray bursts using an intrinsic multiwavelength afterglow correlation**  
Oates S. R., RACUSIN J. L., De Pasquale M., Page M. J., CASTRO-TIRADO A. J., GOROSABEL J., Smith P. J., Breeveld A. A., Kuin N. P. M.  
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- XXVIII. Calibration of the Swift-UVOT ultraviolet and visible grisms**  
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- XXIX. The optical rebrightening of GRB100814A: an interplay of forward and reverse shocks?**  
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- XXX. Herschel/PACS observations of the host galaxy of GRB 031203**  
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- XXXI. ULTRAVIOLET OBSERVATIONS OF SUPER-CHANDRASEKHAR MASS TYPE Ia SUPERNOVA CANDIDATES WITH SWIFT UVOT**  
Brown P. J., Kuin P., Scalzo R., Smitka M. T., DE PASQUALE M., Holland S., Krisciunas K., Milne P., Wang L.  
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- XXXIII. GRB 130427A: A Nearby Ordinary Monster**  
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SCIENCE, vol.343, no.6166, pp.48-51, 2014 (SCI-Expanded)
- XXXIV. THE ULTRA-LONG GRB 111209A. II. PROMPT TO AFTERGLOW AND AFTERGLOW PROPERTIES**  
STRATTA G., GENDRE B., Atteia J. L., BOER M., COWARD D. M., De Pasquale M., HOWELL E., Klotz A., Oates S., PIRO L.  
ASTROPHYSICAL JOURNAL, vol.779, no.1, 2013 (SCI-Expanded)
- XXXV. The use and calibration of read-out streaks to increase the dynamic range of the Swift Ultraviolet/Optical Telescope**  
Page M. J., Kuin N. P. M., Breeveld A. A., Hancock B., Holland S. T., Marshall F. E., Oates S., Roming P. W. A., Siegel M. H., Smith P. J., et al.  
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- XXXVII. A correlation between the intrinsic brightness and average decay rate of Swift/UVOT gamma-ray burst optical/ultraviolet light curves**  
Oates S. R., Page M. J., DE PASQUALE M., Schady P., Breeveld A. A., Holland S. T., Kuin N. P. M., Marshall F. E.

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EXPERIMENTAL ASTRONOMY, vol.34, no.2, pp.519-549, 2012 (SCI-Expanded)
- XXXIX. Multiwavelength observations of the Type IIb supernova 2009mg**  
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- XL. A SWIFT LOOK AT SN 2011fe: THE EARLIEST ULTRAVIOLET OBSERVATIONS OF A TYPE Ia SUPERNOVA**  
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- XLI. GRB 081029: A GAMMA-RAY BURST WITH A MULTI-COMPONENT AFTERGLOW**  
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- XLIII. The unusual gamma-ray burst GRB 101225A from a helium star/neutron star merger at redshift 0.33**  
Thoene C. C., Postigo A. d. U., Fryer C. L., Page K. L., Gorosabel J., Aloy M. A., Perley D. A., Kouveliotou C., Janka H. T., Mimica P., et al.  
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- XLIV. Can a double component outflow explain the X-ray and optical lightcurves of Swift Gamma-Ray Bursts?**  
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- XLV. FERMI AND SWIFT GAMMA-RAY BURST AFTERGLOW POPULATION STUDIES**  
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- XLVII. A statistical comparison of the optical/UV and X-ray afterglows of gamma-ray bursts using the Swift Ultraviolet Optical and X-ray Telescopes**  
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- L. **Further calibration of the Swift ultraviolet/optical telescope**  
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- LI. **GRB 090926A AND BRIGHT LATE-TIME FERMI LARGE AREA TELESCOPE GAMMA-RAY BURST AFTERGLOWS**  
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- LII. **ON THE ELECTRON ENERGY DISTRIBUTION INDEX OF SWIFT GAMMA-RAY BURST AFTERGLOWS**  
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- LIII. **Dust and metal column densities in gamma-ray burst host galaxies**  
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 DE PASQUALE M., Schady P., Kuin N. P. M., Page M. J., Curran P. A., Zane S., Oates S. R., Holland S. T., Breeveld A. A., Hoversten E. A., et al.  
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- LVIII. **THE FIRST SWIFT ULTRAVIOLET/OPTICAL TELESCOPE GRB AFTERGLOW CATALOG**  
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