

## List of Publications

- (1) Strickland, Elisabetta (2024). A lifelong journey through mathematics. *Pure and Applied Mathematics Quarterly*. vol. 20, n. 1, pp. 3-16.
- (2) Strickland, Elisabetta (2022). You You Tu, la scienziata cinese che ha messo in ginocchio la malaria. *Rendiconti Accademia Nazionale delle Scienze detta dei XL*, vol.III, fasc. 3, pp.1-7.
- (3) Strickland, Elisabetta (2022). *Women in Charge of Mathematics*. *Imagine Math* (M. Emmer, M. Abate eds). Springer Nature Switzerland AG 2022. pp. 549-563
- (4) Strickland, Elisabetta (2022). Le collaborazioni scientifiche con i russi durante la guerra: un problema difficile. *Quaderni di Comunicazione Scientifica, Rosenber&Sellier*, 2, 2022. pp.19-22. ISSN 2785-3918
- (5) Strickland, Elisabetta (2021) Jocelyn Bell Burnell, la donna che scoprì i fari dell'universo. *Rendiconti Accademia Nazionale delle Scienze detta dei XL* , Vol. II, fasc.3, 1-9 ISSN 0392-4130. ISBN 978-88-98075-48-5
- (6) Strickland, Elisabetta (2020). Vito Volterra e le donne matematiche. *Commemorazione del Centenario di Vito Volterra. Scritti e documenti*, Accademia Nazionale delle Scienze detta dei XL. pp. 11-19.
- (7) Strickland, Elisabetta (2020). Maryam Mirzakhani: A Mathematical Polyglot. *Imagine Math.7*, (M. Emmer, M. Abate eds.) Springer Nature Switzerland AG 2020. pp. 33-43.
- (8) Strickland, Elisabetta (2018). Mary Fairfax Somerville (1780-1872), the woman who "checkmated" James Clerk Maxwell. *Newsletter of the James Clerk Maxwell Foundation*. Issue N. 10 Spring 2018 p. 3-4 ISSN 2058-7503
- (9) Lanini Martina, Strickland, Elisabetta (2017). Cohomology of the flag variety under PBW degenerations. *Transform. Groups* 24 (2019), no. 3, 835-844.
- (10) Strickland, Elisabetta (2018). Emmy Amalie Noether, la donna che stupì Einstein. *Matematica, Cultura e Società (UMI) Serie I, Vol.2, N. 1*, 61-69
- (11) Strickland, Elisabetta (2017). Mary Fairfax Somerville: The Queen of Science. *Notices of the AMS*, vol. 64 n. 8 pp. 929-931.
- (12) Strickland, Elisabetta (2016). *The Ascent of Mary Somerville in 19th Century Society*. Springer Biographies, 2016. Springer International Publishing. pp. XVII, 120. ISBN 978-3-319-49192-9.
- (13) Strickland, Elisabetta (2016). Sophie Germain, la donna che fondò la fisica matematica. *Scienze e Ricerche* n. 25, p. 15-16, 15 Marzo 2016 ISSN 2283-5873
- (14) Strickland, Elisabetta (2016). Sophie Germain on a French Stamp *NEWSLETTER - EUROPEAN MATHEMATICAL SOCIETY*, n.100, p. 8, ISSN: 1027-488X, doi: 10.4171/NEWS
- (15) Strickland, Elisabetta (2015). Laure Saint-Raymond: the first lady of the Simons Lectures at MIT. *NEWSLETTER - EUROPEAN MATHEMATICAL SOCIETY*, n.97, p. 22, ISSN: 1027-488X, doi: 10.4171/NEWS
- (16) Strickland, Elisabetta (2015). Essere donna e fare scienza in Italia: un'impresa difficile. *SCIENZE E RICERCHE*, vol. N.5, p. 5-6, ISSN: 2283-5873
- (17) Strickland, Elisabetta (2014). The ICM 2014 in Seoul: at last a Fields Medal for a woman. *NEWSLETTER - EUROPEAN MATHEMATICAL SOCIETY*, n.94, p. 38-40, ISSN: 1027-488X, doi: 10.4171/NEWS

- (18) Strickland, Elisabetta (2014). The gender gap in mathematics from the PISA point of view. NEWSLETTER - EUROPEAN MATHEMATICAL SOCIETY, n.93, p. 45-46, ISSN: 1027-488X, doi: 10.4171/NEWS
- (19) Strickland, Elisabetta (with V. Ancona) Eds. Trends in Contemporary Mathematics. Springer-INdAM Series vol.8 (2014). ISBN 978-3-319-05253-3
- (20) Strickland, Elisabetta (with A. Celletti, U. Locatelli, T. Ruggeri) Eds. Mathematical Methods and Models for Planet Earth. Springer-INdAM Series vol.6 (2013). ISBN 978-3-319-02656-5
- (21) Strickland, Elisabetta Women contributions to the progress of mathematics: lights and shadows. Imagine math, 83-90, Springer, Milan, 2012.
- (22) Strickland, Elisabetta The Reisner-Stanley system and equivariant cohomology for a class of wonderful varieties. J. Algebra 356 (2012), 216-229 .
- (23) Strickland, Elisabetta The equivariant ring of conditions of conics. Journal of Algebra (2011), vol.329, pp 274-285.
- (24) Strickland, Elisabetta The ring of conditions of a semisimple group. Journal of Algebra 320 (2008), 3069-3078.
- (25) Strickland, Elisabetta Cohomology of the wonderful group compactification. Journal of Algebra 306 (2006) n.2, 610-621.
- (26) Strickland, Elisabetta Lines in quantum grassmannians. Comm. in Algebra 34 (2006) n.4, 1279-1289.
- (27) Etingof, Pavel; Strickland, Elisabetta Lectures on quasi-invariants of Coxeter groups and the Cherednik algebra. Enseign. Math. (2) 49 (2003), no. 1-2, 35-65.
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- (30) Strickland, Elisabetta Classical invariant theory for the quantum symplectic group. Adv. Math. 123 (1996), no. 1, 78-90.
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- (32) Strickland, Elisabetta An algorithm related to the structure of the center of a quantized enveloping algebra at a root of 1. Comm. Algebra 21 (1993), no. 2, 555-562.
- (33) Strickland, Elisabetta Equivariant Betti numbers for symmetric varieties. J. Algebra 145 (1992), no. 1, 120-127.
- (34) Strickland, Elisabetta Computing the equivariant cohomology of group compactifications. Math. Ann. 291 (1991), no. 2, 275-280.
- (35) Strickland, Elisabetta An algorithm related to compactifications of adjoint groups. Effective methods in algebraic geometry (Castiglioncello, 1990), 483-489, Progr. Math., 94, Birkhauser Boston, Boston, MA, 1991.
- (36) Strickland, Elisabetta On algebras satisfying the identity  $x^n=0$ . Comm. Algebra 17 (1989), no. 11, 2795-2799.
- (37) Pittaluga, Marilena; Strickland, Elisabetta A computer oriented algorithm for the determination of the dimension and character of a modular irreducible  $SL(n,K)$ -module. J. Symbolic Comput. 7 (1989), no. 2, 155-161.
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  - (49) Strickland, Elisabetta The real Brauer group of a finite CW-complex. *Proc. Amer. Math. Soc.* 75 (1979), no. 1, 163–168.
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  - (56) Strickland, Elisabetta Alcune proprietà dei C-gruppi. *Rend. Mat.* (6) 6 (1973), 695–700.
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