

PUBLICATIONS

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Des liens vers le texte intégral de certaines publications sont également disponibles sous les « notices bibliographiques » correspondantes sur le site :

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Indicateurs bibliométriques (au 7 août 2025) : Google Scholar,

- 4986 citations
- Facteur h : 25

Zentralblatt für Mathematik : 230 comptes rendus au total au 7 août 2025, dont 19 recensions critiques d’ouvrages, disponibles sur <https://zbmath.org/>

Mathematical Reviews : 76 comptes rendus dont deux recensions critiques d’ouvrages, disponibles sur <https://mathscinet.ams.org>

Monographies (1-2) et contributions à des ouvrages collectifs (3-11)

1. *Nonlinear Wave Equations*,

monographie, dans la collection “*Pure and Applied Mathematics: A Series of Monographs and Textbooks*,” vol. 194, Marcel Dekker, New York (septembre 1995), xv + 276 pages (ISBN: 0-8247-9328-5).

2. *Fuchsian Reduction : Applications to Geometry, Cosmology and Mathematical Physics*, monographie, vol. 71 de la collection *Progress in Nonlinear Differential Equations and Their Applications*, Birkhäuser Verlag (septembre 2007) xi + 289 pages (ISBN: 978-0-8176-4352-2).

3. “Schauder-type estimates and applications”,

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4. “Symmetric hyperbolic systems and shock waves”,

in *Encyclopedia of Mathematical Physics*, J.-P. Francoise, G. L. Naber, Tsou S. T. (eds.), Oxford: Elsevier, 2006, vol. 5, pp. 160–166.

5. “Recent progress on boundary blow-up”, in : *Elliptic and Parabolic Problems : A Special Tribute to the Work of Haïm Brezis*, C. Bandle et al. (éds.), Progress in Nonlinear Differential Equations and Their Applications, vol. 63, Birkhäuser Verlag, Basel (2005) pp. 329–341.
6. « L’emploi métonymique de l’arbre *kallāl* dans la philosophie médiévale tamoule », in : *L’Arbre en Asie*, P. S. Filliozat et M. Zink éd., Paris, AIBL (Académie des Inscriptions et Belles-Lettres), 2018, pp. 279–299.
7. « La légende de la colonne de lumière : une analyse indienne du problème de l’origine du monde », in : *Mythes d’origine dans les civilisations de l’Asie*, (éd. P.-S. Filliozat et M. Zink), AIBL (Acad. des Inscriptions et Belles-Lettres), Paris, (2021), pp. 145-167 (ISBN : 978-2-87754-672-0).
8. “An Indian critique of the notion of absolute beginning”, *Images and Stories of the Origin(s) of the World and Humankind*, Julia A. B. Hegewald & Marion Gymnich (eds), Mohr Siebeck, Tübingen, 2024, pp. 84–109 (ISBN 978-3-16-162736-1). E-book : ISBN 978-3-16-162737-8
DOI [10.1628/978-3-16-162737-8](https://doi.org/10.1628/978-3-16-162737-8)
9. « La liberté de l’enfant d’après les sources sanskrites et tamoules, et l’humanisme scientifique indien » in *Enfance et jeunesse dans les civilisations de l’Asie*, (éd. J.-M. Mouton et N. Grimal), AIBL (Académie des Inscriptions et Belles-Lettres), Paris, June/juin 2024, pp. 238-254.
10. “Geometry without figures: Mathematics as apodictic discourse in Indian texts”, in *Vedic Education and Ancient Indian Astronomy*, Dr. Parvathy K. P. & Satyabhama N. (eds.), Motilal Banarsidass, New Delhi, 2025, pp. 105–135. ISBN: 978-93-5676-392-0.
11. « Mesure, rythme et temps dans la musique classique de l’Inde du Sud », in *La perception du rythme selon les arts et les cultures*, Isabelle Davy et Patrick Otto (dir.), L’Harmattan, Paris, 2025, pp. 49-64. ISBN : 978-2-336-49327-5

Actes de conférences internationales et de séminaires

- C1. Energy estimates for surface-valued maps with prescribed singularities, in : *Nonlinear Variational Problems* (vol. 2), Pitman Research Notes in Mathematics, vol. 193, A. Marino et M. K. V. Murthy (éds.), (1989) pp. 92–98 (avec H. Brezis).
- C2. Symmetrization on the sphere and applications, in : *Nonlinear Partial Differential Equations and Applications*, H. Brezis et J.-L. Lions (eds.), Longman Sci. Tech., Harlow (1991) pp. 272–283.
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- C4. Breathers and the sine-Gordon equation,

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C5. Gradient flows and geometric active contour models,
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C11. Brahmagupta's triquadrilateral,
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C12. Le « triquadrilatère » de Brahmagupta : Analyse d'un texte mathématique,
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C13. О решении уравнения Лиувилля (1850, 1853) и его влиянии (On the solution of Liouville's equation (1850, 1853) and its impact)
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R.A. Fando [Р.А. Фандо], E.V. Minina [Е.В. Минина] and V.M. Savenkova [В.М. Савенкова], eds. (ISBN 978-5-6046393-4-4), pp. 81-86.
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[Link to English translation on HAL.](#)

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N.B. A40, A49, A51 et A56 sont des recensions critiques d'ouvrages. Les recensions dans les *Mathematical Reviews* et dans le *Zentralblatt für Mathematik* sont regroupées dans la section suivante.

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A2. Singularités isolées de l'équation $-\operatorname{div}(|\nabla u|^{p-2}\nabla u)=0$,
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