# CURRICULUM VITAE

## PERSONAL DATA

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|---|---|
| **Name** | Hamdi Zorgati |
| **Nationality** | Tunisian |
| **Position** | Professor |
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## EDUCATION

| Year | Academic Degree | Institution |
|---|---|---|
| 2004 | Ph-D | Sorbonne University, Paris |
| 2001 | Master in Numerical Analysis | Sorbonne University, Paris |
| 2000 | Bachelor in Mathematics | University of Tunis El Manar, Tunis |
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## WORK EXPERIENCE

| Period | Position | Address |
|---|---|---|
| Since August 2019 | Professor | Imam Mohammad Ibn Saud Islamic University |
| 2015-2019 | Professor | University Tunis El Manar |
| 2011-2015 | Associate Professor | University Tunis El Manar |
| 2006-2011 | Assistant Professor | University Tunis El Manar |
| 2005-2006 | Postdoc Position | University of Zurich |
| 2004-2006 | Assistant | University of Paris Dauphine |
| 2001-2004 | Lecturer | University of Paris Dauphine |

## RESEARCH INTERESTS

Calculus of the Variations – Nonlinear Analysis – Asymptotic Analysis - Numerical Analysis – Solid Mechanics

## PUBLICATIONS

1. "Modélisation de films minces", H. ZORGATI,
PhD Thesis, University Pierre et Marie Curie - Paris VI, (2004).
2. "Modélisation de films courbés minces martensitiques", H. LE DRET & H. ZORGATI,
C. R. Acad. Sci. Paris, Ser. I 339 (2004) 65-69.
3. "Modélisation de films courbés minces ferromagnétiques ", H. ZORGATI,
C. R. Acad. Sci. Paris, Ser. I 340 (2005) 81-86.
4. "Modeling thin curved ferromagnetic films", H. ZORGATI,
Analysis and Applications, Vol. 3, No. 4 (2005) 373-396.
5. "Asymptotic modeling of thin curved martensitic films", H. LE DRET & H. ZORGATI,
Asymptotic analysis 48 (2006) 141-171.
6. "A G-convergence result for thin curved films bonded to a fixed substrate with a noninterpenetration constraint", H. ZORGATI,
Chin. Ann. Math. 27B(6), (2006) 615-636.
7. "Two-scale simulation of Maxwell's Equations", H. ABBOUD, S. JUND, S. SALMON, E. SONNENDRÜCKER & H. ZORGATI,
ESAIM Proc. (2007) Vol. 26, 211-223.
8. "On Comparison principles for parabolic equations with nonlocal boundary conditions", Y. WANG & H. ZORGATI,
Boundary Value Problems, Vol. (2007) Article ID 80929, 10 pages.
9. "Modélisation de films courbés non simples de second gradient", G. GARGIULO, E. ZAPPALE & H. ZORGATI,
C. R. Acad. Sci. Paris Ser. I 344 (2007) 343-347.
10. "Local Topological Modification of Hexahedral Meshes. Part II : Combinatorics and Relation to Boy Surface",
K. JURKOVA, R. KUATE, F. LEDOUX, T. RICKMEYER, T.J. TAUGES & H. ZORGATI,
ESAIM Proc. Vol 24, (2008) 34-45.
11. "Curved thin films made of non simple grade two materials", G. GARGIULO, E. ZAPPALE & H. ZORGATI,
Adv. Math. Sci. Appl. Vol 18 (2008) 219-236.
12. "Dimensional reduction for energies with linear growth involving the bending moment", J.-F. BABADJIAN,
E. ZAPPALE & H. ZORGATI,
J. Math. Pures Appl. 90 (2008) 520-549.
13. "Some Relaxation Results for Functionals Depending on Constrained Strain and Chemical Composition",
E. ZAPPALE & H. ZORGATI,
C. R. Acad. Sci. Paris Ser. I 347 (2009) 337-342.
14. "Modélisation en Mécanique des Solides", H. ZORGATI,
Book at Editions Universitaires Europèennes (2010).
15. "Compactness and Dirichlet's principle", J-K. SEO AND H. ZORGATI,
J. KSIAM Vol.18, No.2 (2014) 193-207.
16. "Homogenization of unbounded integrals with quasiconvex growth",O. ANZA-HAFSA, J-P. MANDALLENA & H. ZORGATI,
Ann. Mat. Pura Appl. (4) 194 (2015) no. 6, 1619-1648.
17. "Existence and uniqueness of global solutions for the modified anisotropic 3D Navier-Stokes equations",H. BESSAIH, S. TRABELSI & H. ZORGATI,
ESAIM : Mathematical Modeling and Numerical Analysis (M2AN), 50 6 (2016) 1817-1823.
18. "A note about weak ? lower semicontinuity for functionals with linear growth in $W^{1;1}\_L^1$ ",E. ZAPPALE & H. ZORGATI,
J. Elliptic Parabol. Equ. Vol 3 , (2017), 93-103.
19. "G-convergence of nonconvex integrals defined on Sobolev functions and vector measures", OMAR ANZA HAFSA, JEAN PHILIPPE MANDALLENA, HAMDI ZORGATI,
Preprint, ffhal-02296036.

20. "G-convergence and optimality of the uniform state in a Phase-Field-Crystal model involving a higher order functional", R. IGNAT & H. ZORGATI,
Journal of Nonlinear Science 30 (1) (2020), 261-282.
21. "A G-convergence result for optimal design problems", H. ZORGATI,
Comptes Rendus. Mathématique, Volume 360 (2022) p. 1145-1151.
22. "Asymptotic analysis for a second order curved thin film", H. ZORGATI,

To appear in "Mathematics and Mechanics of Solids".

23. "G-convergence for an optimal design problem with variable exponent",HAMDI ZORGATI,
Preprint, ffhal-03953179.