

# Vasilis Tsilidis

## Curriculum Vitae

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🌐 [tsilidisv.github.io](https://tsilidisv.github.io)

### Education

- 2023– **Ph.D. in Mathematical Biology**, *University of Patras*, Patras, Greece
- 2019–2021 **M.Sc. in Applied Mathematics (with Distinction)**, *Hellenic Open University*, Patras, Greece  
Thesis Title: [Mathematical Modelling of Immune Response in Breast Cancer](#)
- 2013–2018 **B.Sc. in Mathematics**, *National and Kapodistrian University of Athens*, Athens, Greece

### Publications

- [1] V. Bitsouni, N. Gialelis, and V. Tsilidis, “A novel comparison framework for epidemiological strategies applied to age-based restrictions versus horizontal lockdowns,” *to appear in Infectious Disease Modelling*, 2024.
- [2] V. Bitsouni, N. Gialelis, I. G. Stratis, and V. Tsilidis, “From primary HPV infection to carcinoma in situ: A mathematical approach to cervical intraepithelial neoplasia,” *Studies in Applied Mathematics*, 2024.
- [3] V. Bitsouni, N. Gialelis, and V. Tsilidis, “An age-structured SVEAIR epidemiological model,” *Mathematical Methods in the Applied Sciences*, 2024.
- [4] V. Bitsouni and V. Tsilidis, “Mathematical modeling of tumor-immune system interactions: the effect of rituximab on breast cancer immune response,” *Journal of Theoretical Biology*, vol. 539, p. 111001, Apr. 2022.
- [5] V. Bitsouni, N. Gialelis, and V. Tsilidis, “A Mathematical Study of the Role of tBregs in Breast Cancer,” *Bulletin of Mathematical Biology*, vol. 84, p. 112, Oct. 2022.

### Talks

- 29/8/2022– **Mathematical Biology on the Mediterranean Coast, 3rd Edition**, *FORTH Institute*, Crete, Greece  
6/9/2022
- 26/2/2022– **Research Directions and Perspectives in Mathematics, 4th Edition**, *Hellenic Open University*, Online Conference  
27/2/2022

### Participation in Conferences, Workshops, Schools

- 4/7/2023– **Partial Differential Equations in Applied Mathematics: a hybrid conference in honour of Ioannis Stratis**, *National and Kapodistrian University of Athens*, Athens, Greece
- 5/7/2023
- 19/7/2021– **Multi-Scale Modeling for Pattern Formation in Biological Systems**, *Institut Mittag-Leffler*, Online Summer School
- 23/7/2021
- 25/5/2021– **Mathematical Biology on the Mediterranean Coast**, *Online Conference*
- 27/5/2021
- 1/7/2019– **NCSR Demokritos 54th Summer School**, *NCSR Demokritos*, Athens, Greece
- 11/7/2019

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## Work Experience

- 14/4/2022– **Master Sergeant**, *Administration Company of the Presidential Guard*, Athens, Greece
- 13/3/2023
- Managed a company of 80 members, by determining the daily duties of its soldiers.
- 2019–2022 **Tutor for high school and undergraduate students**, *Athens, Greece*

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## Languages

English Fluent  
Greek Native

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## Computer skills

- Certificate in Computer Science, Department of Mathematics, NKUA
- *Operating systems*: Windows, Linux
- *Programming Languages*: Java, Julia, Matlab, Python, MySQL, Wolfram Language