

Candidat: Tyukodi Botond

## Lista de lucrări

### 10 articole relevante

1. **Tyukodi, B.**, Mohajerani, F., Hall, D. M., Grason, G. M., & Hagan, M. F. (2022). Thermodynamic Size Control in Curvature-Frustrated Tubules: Self-Limitation with Open Boundaries. *ACS Nano*.  
<https://doi.org/10.1021/acsnano.2c00865>
2. **Tyukodi, B.**, Vandembroucq, D., & Maloney, C. E. (2018). Diffusion in Mesoscopic Lattice Models of Amorphous Plasticity. *Physical Review Letters*, 121(14), 145501. <https://doi.org/10.1103/PhysRevLett.121.145501>
3. **Tyukodi, B.**, Barbot, A., García-garcía, R., Lerbinger, M., Patinet, S., & Vandembroucq, D. (2023). Coarse-graining amorphous plasticity: impact of rejuvenation and disorder. *Comptes Rendus Physique*, 0–19.  
<https://doi.org/10.5802/crphys.156>
4. **Tyukodi, B.**, Lemarchand, C. A., Hansen, J. S., & Vandembroucq, D. (2016). Finite-size effects in a model for plasticity of amorphous composites. *Physical Review E*, 93(2), 023004.  
<https://doi.org/10.1103/PhysRevE.93.023004>
5. **Tyukodi, B.**, Vandembroucq, D., & Maloney, C. E. (2019). Avalanches, thresholds, and diffusion in mesoscale amorphous plasticity. *Physical Review E*, 100(4), 43003. <https://doi.org/10.1103/PhysRevE.100.043003>
6. **Tyukodi, B.**, Bréchet, Y., Néda, Z. (2014). Kinetic roughening of a soft dewetting line under quenched disorder: A numerical study. *Physical Review E*, 90(5), 052404. <https://doi.org/10.1103/PhysRevE.90.052404>
7. **Tyukodi, B.**, Patinet, S., Roux, S., & Vandembroucq, D. (2016). From depinning transition to plastic yielding of amorphous media: A soft-modes perspective. *Physical Review E - Statistical, Nonlinear, and Soft Matter Physics*, 93(6), 1–12. <https://doi.org/10.1103/PhysRevE.93.063005>
8. Duque, C. M., Hall, D. M., **Tyukodi, B.**, Hagan, M. F., Santangelo, C. D., & Grason, G. M. (2023). Limits of economy and fidelity for programmable assembly of size-controlled triply-periodic polyhedra. 121(18), 1–11.  
<https://doi.org/10.1073/pnas.2315648121>
9. Mohajerani, F., **Tyukodi, B.**, Schlicksup, C. J., Hadden-Perilla, J. A., Zlotnick, A., & Hagan, M. F. (2022). Multiscale Modeling of Hepatitis B Virus Capsid Assembly and Its Dimorphism. *ACS Nano*, 16(9), 13845–13859.  
<https://doi.org/10.1021/acsnano.2c02119>
10. Videbæk, T. E., Fang, H., Hayakawa, D., **Tyukodi, B.**, Hagan, M. F., & Rogers, W. B. (2022). Tiling a tubule: How increasing complexity improves the yield of self-limited assembly. *Journal of Physics Condensed Matter*, 34(13). <https://doi.org/10.1088/1361-648X/ac47dd>

### Teza de doctorat

A depinning approach of amorphous plasticity and dewetting, full text at <https://theses.hal.science/tel-01539505>

### Cărți

Néda Zoltán, **Tyukodi Botond**, Kacsó Ágota-Enikő, *A klasszikus statisztikus fizika alapjai*, Editura Ábel, 2014, ISBN 978-973-114-187-9