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List of Publications

Published

1. **Shambhavi Dikshit** and Shradha Mishra; "Activity-driven phase separation and ordering kinetics of passive particles", *The European Physical Journal E* , 45, 21 (2022).
2. **Shambhavi Dikshit** and Shradha Mishra "Ordering kinetics in active polar fluid", *Europhysics Letters*, 143, 17001 (2023).
- 3*. Vivek Semwal, **Shambhavi Dikshit** and Shradha Mishra "Dynamics of a collection of active particles on a two-dimensional periodic undulated surface", *The European Physical Journal E* 44, 20 (2021).

Unpublished

- 4*. Vivek Semwal, Jayam Joshi **Shambhavi Dikshit** and Shradha Mishra "Macro to micro phase separation of chiral active swimmers" *Under review* (2023).
5. **Shambhavi Dikshit**, Sudipta Pattanayak, Shradha Mishra and Sanjay Puri "Role of thermal noise for the growth kinetics of active model B " *preprint available* (2023).
6. **Shambhavi Dikshit**, Sudipta Pattanayak, Shradha Mishra and Sanjay Puri "Multiplicative noise in Active Model B(Off-critical mixture)" *preprint available* (2023).
7. **Shambhavi Dikshit** and Shradha Mishra "Obstacle induced phase separation of micro swimmers", *preprint available*,(2023).

Note* 3 and 4 works are not the part of this thesis.

