

List of Publications of Arti Parganiha
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Review Articles:

1. Sultan, A., Choudhary, V. and **Parganiha, A.** (2017). Monitoring of rest-activity rhythm in cancer patients paves the way for the adoption of patient-specific chronotherapeutic approach. *Biological Rhythm Research*, 48, 189-205. DOI: <https://doi.org/10.1080/09291016.2016.1251912>
2. Sultan, A., **Parganiha, A.**, Sultan, T., Choudhary, V and Pati, A.K. (2017). Circadian clock, cell cycle and breast cancer: an updated review. *Biological Rhythm Research*, 48, 353-369. DOI: <https://doi.org/10.1080/09291016.2016.1263011>
3. Sahu, B.K., **Parganiha, A.** and Pati, A.K. (2020). Behavior and Foraging Ecology of Cattle: A Review. *Journal of Veterinary Behavior*, 40, 50-74. DOI: <https://doi.org/10.1016/j.jveb.2020.08.004>
4. Parveen, N. and **Parganiha, A.** (2023). Consequences and factors associated with OSA: a brief review. *Biological Rhythm Research*, 54(1), 1-40. DOI: <https://doi.org/10.1080/09291016.2022.2054558>
5. Pradhan, S., Parganiha, A., Agashe, C.D., and Pati, A.K. (2024). Circadian rhythm in sportspersons and athletic performance: A mini review. *Chronobiology International*. <https://doi.org/10.1080/07420528.2024.2305663>.

Papers Published in Refereed Foreign Journals:

1. Sultan, A., Choudhary, V. and **Parganiha, A.** (2017). Worsening of rest-activity circadian rhythm and quality of life in female breast cancer patients along progression of chemotherapy cycles. *Chronobiology International*, 34,609-623. DOI: [10.1080/07420528.2017.1286501](https://doi.org/10.1080/07420528.2017.1286501)
2. Sultan, A., Pati, A.K., Choudhary, V. and **Parganiha, A.** (2018). Circadian rhythm characteristics of salivary alpha-amylase – a potential stress marker, in breast cancer in- and out-patients: a follow-up study. *Biological Rhythm Research*. 49, 680-696. DOI: <https://doi.org/10.1080/09291016.2017.1410016>
3. Pande, B., Parveen, N., **Parganiha, A.** and Pati, A.K. (2018). Shortening of sleep length and delayed mid sleep on free days are the characteristic features of predominantly morning active population of Indian teenagers. *Sleep and Biological Rhythms*, 16, 431-439. DOI: <https://doi.org/10.1007/s41105-018-0173-7>
4. Sultan, A., Pati, A.K., Choudhary, V. and **Parganiha, A.** (2018). Hospitalization-induced exacerbation of the ill effects of chemotherapy on rest-activity rhythm and quality of life of breast cancer patients: a prospective and comparative cross-sectional follow-up study. *Chronobiology International*, 35, 1513-1532. DOI: [10.1080/07420528.2018.1493596](https://doi.org/10.1080/07420528.2018.1493596)
5. Moshontz, H., Campbell, L., Ebersole, C.R. **Parganiha, A.** et al. (2018). The Psychological Science Accelerator: Advancing Psychology through a Distributed Collaborative Network. *Advances in Methods and Practices in Psychological Science (AMPPS)*, 1(4), 501-515. <https://doi.org/10.1177/2515245918797607>
6. Sahu, B.K., **Parganiha, A.** and Pati, A.K. (2019). Spatiotemporal variability in activity patterns of urban street cattle as function of environmental factors. *Chronobiology International*, 36(10), 1362-1372. DOI: [10.1080/07420528.2019.1644345](https://doi.org/10.1080/07420528.2019.1644345)
7. Mishra, P., Mohanty, A.K., **Parganiha, A.**, Pati, A.K. (2020). Patterns in prawn production across space and time–based on the data emanated from *Penaeus monodon* and *Fenneropenaeus indicus* inhabiting the brackish water Chilika lagoon in the Bay of Bengal. *Biological Rhythm Research*, 51(4), 599-615. DOI: <https://doi.org/10.1080/09291016.2018.1548133>
8. Sultan, A., Pati, A.K., Choudhary, V. and **Parganiha, A.** (2020). Repeated chemotherapy cycles produced progressively worse and enduring impairments in the sleep-wake profile of hospitalized breast cancer patients. *Biological Rhythm Research*, 51(8), 1166-1181. DOI: <https://doi.org/10.1080/09291016.2018.1559415>

9. Malik, S., Pati, A.K. and **Parganiha, A.** (2021). Short- and long-duration exposures to cell-phone radiofrequency waves produce dichotomous effects on phototactic response and circadian characteristics of locomotor activity rhythm in zebrafish, *Danio rerio*. *Biological Rhythm Research*. 52 (10), 1560-1575. <https://doi.org/10.1080/09291016.2019.1665942>
10. Jones, B.C., DeBruine, L.M., Flake, J.K. **Parganiha, A.** et al. (2021). To which world regions does the valence-dominance model of social perception apply? *Nature Human Behaviour*, 5, 159-169. DOI: <https://doi.org/10.31234/osf.io/n26dy>
11. Sahu, B.K., **Parganiha, A.** and Pati, A.K. (2021). A population estimation study reveals a staggeringly high number of cattle on the streets of urban Raipur in India. *PLoS ONE* 16(1): e0234594. <https://doi.org/10.1371/journal.pone.0234594>
12. Sultan, A., Ali, R., Sultan, T., Ali, S., Khan, N.J. and **Parganiha, A.** (2021). Circadian clock modulating small molecules repurposing as inhibitors of SARS-CoV-2 M^{pro} for pharmacological interventions in COVID-19 pandemic. *Chronobiology International*, 38(7), 971-985. DOI: <https://doi.org/10.1080/07420528.2021.1903027>
13. Sinha, M., Behera, A.K., Sinha, R., **Parganiha, P.**, Pande, B., Sharma, R. and Pati, A.K. (2021). Circadian rhythmicity of heart rate variability and its impact on cardiac autonomic modulation in asthma. *Chronobiology International*, 38(11), 1631-1639 DOI: <https://doi.org/10.1080/07420528.2021.1938595>
14. Chandel, P., Singh, M.M., Pati, A.K. and **Parganiha, A.** (2021). Exposure to radio-frequency electromagnetic radiation shortens sleep duration and lengthens sleep latency and sleep inertia in humans living in proximity to the base transceiver stations. *South Asian Journal of Experimental Biology*, 11(4), 466-481. DOI: [https://doi.org/10.38150/sajeb.11\(4\).p466-481](https://doi.org/10.38150/sajeb.11(4).p466-481)
15. Kujur, P., Pati, A.K. and **Parganiha, A.** (2021). Locomotor activity rhythm in catfish *Heteropneustes fossilis* as a function of shoal size under different light regimens. *Chronobiology International*, 38(12), 1726–1737. DOI: <https://doi.org/10.1080/07420528.2021.1945073>
16. Singh MM, Chandel P, Pati AK and **Parganiha A** (2021). Exposure to microwave radiation has no impact on the global sleep quality of people living in the vicinity of base transceiver stations. *South Asian Journal of Experimental Biology*, 11(4), 503-514. DOI: [https://doi.org/10.38150/sajeb.11\(4\).p503-514](https://doi.org/10.38150/sajeb.11(4).p503-514)
17. Diwan, A., Swain, R.K., Minz, S., **Parganiha, A.** and Pati, A.K. (2022). Ultradian, circadian, and circaseptan rhythms in the patterns of usage of Facebook messenger. *Biological Rhythm Research*, 53(2), 341-349. DOI: <https://doi.org/10.1080/09291016.2020.1747741>
18. Mishra, P., Mohanty, A.K., Swain, R.K., **Parganiha, A.**, Pati, A.K. (2022). Circannual production rhythms of seven commercially important fishes in the Chilika lagoon. *Biological Rhythm Research*, 53(3), 422-444. DOI: <https://doi.org/10.1080/09291016.2020.1750132>
19. Sultan, A., Taj, S., Choudhary, V. and **Parganiha, A.** (2022). Predictive role of socio-demographic and chronotype on health-related quality of life of cancer patients from southeastern India. *Biological Rhythm Research*, 53(4), 592-607. DOI: <https://doi.org/10.1080/09291016.2020.1816050>
20. Sahu, B.K., **Parganiha, A.** and Pati, A.K. (2022). Time-of-day and seasonal variations in foraging behavior of street cattle of urban Raipur, India. *Biological Rhythm Research*, 53(5), 786-800. DOI: <https://doi.org/10.1080/09291016.2020.1794646>
21. Swain, R.K., Minz, S., **Parganiha, A.** Diwan, A. and Pati, A.K. (2022). Circadian rhythm in the pattern of online usage of Facebook messenger during the COVID-19-triggered lockdown: a sequel to the pre-pandemic study. *Biological Rhythm Research*, 53(5), 801-811. DOI: <https://doi.org/10.1080/09291016.2020.1812284>
22. Singh, M.M., Chandel, P., Pati, A.K. and **Parganiha, A.** (2022). Does exposure to radiofrequency radiation (RFR) affect the circadian rhythm of rest-activity patterns and behavioral sleep variables in humans? *Biological Rhythm Research*, 53(9), 1414-1438. DOI: <https://doi.org/10.1080/09291016.2021.1945788>
23. Parveen, N., Pande, B., Pati, A.K. and **Parganiha, A.** (2022). Screening of obstructive sleep apnea (OSA) risk and study of its predictors in a population of adult Indians. *Sleep and Vigilance*, 6, 287-296. DOI: <https://doi.org/10.1007/s41782-022-00209-0>
24. Colloff, M.F., Flowe, H.D., Smith, H.M.J., Seale-Carlisle, T.M., Meissner, C.A., Rockey, J.C., Pande, B., Kujur, P., Parveen, N., Chandel, P., Singh, M.M., Pradhan, S. and **Parganiha, A.** (2022). Active

- exploration of faces in police lineups increases discrimination accuracy. *Am Psychol.* 77(2), 196-220. DOI: [10.1037/amp0000832](https://doi.org/10.1037/amp0000832)
25. Gouldthorpe, C., Ancoli-Israel, S., Cash, E., Innominato, P., Jakobsen, G., Lévi, F., Miaskowski, C., **Parganiha, A.**, Pati, A.K., Pereira, D., Revell, V., Zeitzer, J.M., Davies, A. (2023). International e-Delphi consensus recommendations for the assessment and diagnosis of circadian rest–activity rhythm disorders (CARDs) in patients with cancer. *Cancers*, 15, 3784. <https://doi.org/10.3390/cancers15153784>
 26. Sahu, B.K., Pati, A.K. and **Parganiha, A.** (2023). Intra- and inter-specific interactions in the Indian urban ecosystem with special reference to street cattle as the pivot. *Urban Ecosystems*. 26, 1829–1842. <https://doi.org/10.1007/s11252-023-01423-y>
 27. Chakradhari, P., Sahu, B.K., Pati, A.K. and **Parganiha, A.** (2024). Effects of high and low temperatures on the rhythmic patterns in pit-building behavior of antlion larvae. *Chronobiology International*. 41(2):182-192. <https://doi.org/10.1080/07420528.2024.2303977>
 28. Singh, A., Singh, R., Parganiha, A., and Tripathi, M.K. (2024). Annual rhythm in immune functions of blood leucocytes in an ophidian, *Natrix piscator*. *Scientific Reports*. 14:12157. DOI: <https://doi.org/10.1038/s41598-024-63033-8>
 29. Pande B, Sinha M, Sinha R, Behera AK, **Parganiha A**, Nanda R, and Singh LK (2024). Cognitive correlates of circadian rhythm and sleep-wake behaviour in chronic obstructive pulmonary diseasepatients. *Chronobiology International*. 41(10):1313-1327. DOI: <https://doi.org/10.1080/07420528.2024.2410242>
 30. Phills, C.E., Miller, J.K., Buchanan, E., Williams, A.,**Parganiha, A.** et al. (2025).Multi-region investigation of ‘man’ as default in attitudes. PLOS ONE (Accepted).

Papers Published in Refereed Indian Journals:

1. Sultan, A., Taj, S., Choudhary, V and **Parganiha, A.** (2017). Circadian rhythm in energy expenditure in cancer in- and out-patients: A comparative study. *Journal of Ravishankar University-B*, 30(01 & 02), 110-117.
2. Parveen, N., Pande, B. and **Parganiha, A.** (2017). Effects of socio-demographic factors on performance of adolescents on intelligence task and short-interval time estimation. *Journal of Ravishankar University-B*, 30(01 & 02), 118-129.
3. Chandel, P., Singh, M.M., Pati, A.K., Choudhary, V. and **Parganiha, A.** (2022). Determination of short-interval time estimates in humans exposed to radiofrequency electromagnetic radiation. *Journal of Environmental Biology*, 43, 369-376. DOI: [10.22438/jeb/43/3/MRN-1807](https://doi.org/10.22438/jeb/43/3/MRN-1807)
4. Chakradhari P, Sahu BK, Pati AK, **Parganiha A.**(2024). Time of the day variability in pit-building behavior of antlion larvae. *Journal of Ravishankar University-B*, 37(1), 22-31. DOI: [10.52228/JRUB.2024-37-1-2](https://doi.org/10.52228/JRUB.2024-37-1-2)

Book Chapter:

1. Pathak, R., Singh, N. and **Parganiha, A.** (2025). Chronobiology – Circadian Rhythm and Cancer. In: *Animal Behavior in the Tropics - Vertebrates*. (S. Sridhara et al. eds.), pp. 62-97, Springer Nature.
2. Pande, B., Pati, A.K. and Parganiha A. (2025). Aging and cognition. In: *India's Elderly: Issues and Perspectives*. (U.C. Pati, M Mohapatra, S Pati, eds.), pp. 1-32, Cambridge Scholars Publishing, ISBN: 1-0364-5001-5