List of 10 best papers

1. Khan MZ, Hunt DM, Singha B, Kapoor Y, Singh NK, Prasad DVS, Dharmarajan S, Sowpati DT, de Carvalho LPS, **Nandicoori VK**. (2024) Divergent downstream biosynthetic pathways are supported by L-cysteine synthases of *Mycobacterium tuberculosis*. ***eLife.*** 12:RP91970. doi: 10.7554/eLife.91970.PMID: 39207917.

2. Naz, S., Paritosh, K., Sanyal, P., Khan, S., Singh, Y., Varshney, U., **Nandicoori, V.K.** (2023) GWAS and functional studies suggest a role for altered DNA repair in the evolution of drug resistance in *Mycobacterium tuberculosis*. ***eLife*** 12: e75860. doi: 10.7554/eLife.75860.
Work highlighted in
https://vigyanprasar.gov.in/isw/Study-provides-new-insights-into-drug-resistant-Tuberculosis.html2:e75860. doi: 10.7554/eLife.75860
https://www.thehindu.com/sci-tech/health/scientists-identify-mutations-in-dna-for-early-diagnosis-of-drug-resistant-bacteria-for-tb/article66819470.ece

3. Kumar, S., Khan, M.Z., Khandelwal, N., Chongtham, C., Singha, B., Dabla, A., Behera, D., Singh, A., Gopal, B., Arimbasseri, A., Kamat, S.S. & **Nandicoori, V.K**. (2022) Mycobacterium tuberculosis transcription factor, EmbR regulates the expression of key virulence factors that aid in ex vivo and in vivo survival. ***mBio*** 13(3): e0383621. doi: 10.1128/mbio.03836-21. Epub 2022 Apr 26.

4. Khan, M., Singha, B., Ali, F., Taunk, K., Rapole, S., Gourinath, S., & **Nandicoori, V.K**. (2021) Redox homeostasis in *Mycobacterium tuberculosis* is modulated by a novel actinomycetes-specific transcription factor. ***EMBO J*, e106111.**
Work highlighted in
https://biopatrika.com/2021/10/11/interview-understanding-how-mycobacterium-tuberculosis-tackles-oxidative-stress-in-the-host-2/
https://scisoup.org/article/2021/newer-insights-into-an-age-old-bacteria.html

5. Naz, S., Dabral, S., Nagarajan, S., Arora, D., Singh, L.V., Kumar, P., Singh, D., Kumar, D., Varshney, U. & **Nandicoori, V.K.** (2021) Compromised base excision repair pathway in Mycobacterium tuberculosis imparts superior adaptability in the host. ***Plos Pathogens*** 17: e1009452. doi: 10.1371/journal.ppat.1009452.

6. Bhaskar, A., Kumar, S., Khan, M.Z., Singh, A., Dwivedi, V.P. & **Nandicoori, V.K.** (2020) Host Sirtuin 2 as an Immunotherapeutic Target against Tuberculosis. ***eLife*** 9: e55415. doi: 10.7554/eLife.55415

7. Lochab, S., Singh, Y., Sengupta, S. & **Nandicoori, V.K**. (2020) *Mycobacterium tuberculosis* exploits host ATM kinase for survival advantage through SecA2 secretome. ***eLife*** 9: e51466. doi: 10.7554/eLife.51466.
Work highlighted in
https://scisoup.org/article/2020/a-novel-adjunctive-host-directed-therapy-for-the-treatment-of-TB.html

8. Kaur, P., Rausch, M., Malakar, B., Watson, U., Damle, N. P., Chawla, Y., Srinivasan, S., Sharma, K., Schneider, T., Jhingan, G. D., Saini, D., Mohanty, D., Grein, F & **Nandicoori, V. K**. (2019) LipidII Interaction with specific residues of *Mycobacterium tuberculosis* PknB extracytoplasmic domain governs its optimal activation. ***Nature Communications*** 10: 1231 doi: 10.1038/s41467-019-09223-9.
Among the 6 finalists for The Inspiring Science Award 2020 for the best published scientific paper in the Life Sciences from India.

9. Soni, V., Upadhyay, S., Suryadevara, P., Samla, G., Singh, A., Yogeeswari, P., Sriram, D. & **Nandicoori, V. K.** (2015) Depletion of *M. tuberculosis* GlmU from infected murine lungs effects the clearance of the pathogen. ***Plos Pathogens*** 11: e1005235.
Among the 6 finalists for The Inspiring Science Award 2017 for the best published scientific paper in the Life Sciences from India.

10. Malakar B., Chauhan K., Sanyal P., Naz S., Kalam H., Vivek-Ananth R.P., Singh L.V., Samal A., Kumar D., **Nandicoori V.K.** (2023) Phosphorylation of CFP10 modulates *Mycobacterium tuberculosis* virulence. ***mBio*** 14(5): e0123223.