List of 10 best papers

1. 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://scisoup.org/article/2021/newer-insights-into-an-age-old-bacteria.html

2. 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.

3. Khan, M.Z. & **Nandicoori, V.K.** (2021) Deletion of PknG abates reactivation of latent *Mycobacterium tuberculosis* in mice. ***Antimicrob. Agents Chemother*** doi: 10.1128/AAC.02095-20

4. 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*** Jul 22;9:e55415. doi: 10.7554/eLife.55415

5. Lochab, S., Singh, Y., Sengupta, S. & **Nandicoori, V. K**. (2020) *Mycobacterium tuberculosis* exploits host ATM kinase for survival advantage through SecA2 secretome. ***eLife*** Mar 30;9. pii: 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

6. 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.

7. 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.

8. Jain, P., Malakar, B., Khan, M.Z., Lochab, S., Singh, A. & **Nandicoori, V. K.** (2018) Delineating FtsQ mediated regulation of cell division in Mycobacterium tuberculosis. ***J. Biol. Chem***. 293(32):12331-12349.
   Work highlighted in multiple forums: https://vigyanprasar.gov.in/isw/find_protein_role_in_TB_bacteria_growth_story.html

9. Khan, M.Z., Bhaskar, A., Upadhyay, S., Kumari, P., Ramani, R.S., Jain, P., Singh, A., Kumar, D., Bhavesh, N.S. & **Nandicoori, V. K.** (2017) Protein kinase G confers survival advantage to Mycobacterium tuberculosis. ***J. Biol. Chem***. **292,** 16093-16108.

10. Nagarajan, S. N., Upadhyay, S., Chawla, Y., Khan, S., Naz, S., Subramanian, J., Gandotra, S. & **Nandicoori, V. K.** (2015) Protein kinase A (PknA) of *Mycobacterium tuberculosis* is independently activated and is critical for growth in vitro and survival of the pathogen in the host. ***J Biol Chem***. **290,** 9626-9645.