

Publication List of Dr. S.S.Gunthe, Associate Professor, Indian Institute of Technology Madras, Chennai:

1. Revisiting the crop yield loss in India attributable to ozone, A Sharma, N Ojha, A Pozzer, G Beig, **SS Gunthe**, Atmospheric Environment: X 1, 100008, **2019**
2. Resolving the mechanisms of hygroscopic growth and cloud condensation nuclei activity for organic particulate matter, P Liu, M Song, T Zhao, **SS Gunthe**, S Ham, Y He, YM Qin, Z Gong, Nature communications 9 (1), 4076, **2018**
3. Characterization of bacterial diversity and ice-nucleating ability during different monsoon seasons over a southern tropical Indian region, M Akila, H Priyamvada, R Ravikrishna, **SS Gunthe**, Atmospheric environment 191, 387-394, **2018**
4. Revolatilisation of soil-accumulated pollutants triggered by the summer monsoon in India, G Lammel, C Degrendele, **SS Gunthe**, Q Mu, A Muthalagu, O Audy, Atmospheric Chemistry and Physics 18 (15), 11031-11040, **2018**
5. Long-term observations of cloud condensation nuclei over the Amazon rain forest–Part 2: Variability and characteristics of biomass burning, long-range transport, and pristine, ML Pöhlker, F Ditas, J Saturno, T Klimach, I Hrabě de Angelis, AC Araújo, Atmospheric Chemistry and Physics 18 (14), 10289-10331, **2018**
6. Source apportionment of organic aerosol from 2-year highly time-resolved measurements by an aerosol chemical speciation monitor in Beijing, China, Y Sun, W Xu, Q Zhang, Q Jiang, F Canonaco, ASH Prévôt, P Fu, J Li, Atmospheric Chemistry and Physics 18 (12), 8469-8489, **2018**
7. Assessment of PM and bioaerosols at diverse indoor environments in a southern tropical Indian region, H Priyamvada, C Priyanka, RK Singh, M Akila, R Ravikrishna, **SS Gunthe**, Building and Environment 137, 215-225, **2018**
8. WRF-Chem simulated surface ozone over south Asia during the pre-monsoon: effects of emission inventories and chemical mechanisms, A Sharma, N Ojha, A Pozzer, KA Mar, G Beig, J Lelieveld, **SS Gunthe**, Atmospheric Chemistry and Physics 17 (23), 14393-14413, **2017**
9. Seasonal variation of the dominant allergenic fungal aerosols–One year study from southern Indian region, H Priyamvada, RK Singh, M Akila, R Ravikrishna, RS Verma, **SS Gunthe**, Scientific reports 7 (1), 11171, **2017**
10. Impact of tropical convection and ENSO variability in vertical distributions of CO and O₃ over an urban site of India, LK Sahu, V Sheel, M Kajino, M Deushi, **SS Gunthe**, PR Sinha, R Yadav, ...Climate Dynamics 49 (1-2), 449-469, **2017**
11. Terrestrial macrofungal diversity from the tropical dry evergreen biome of southern India and its potential role in aerobiology, H Priyamvada, M Akila, RK Singh, R Ravikrishna, RS Verma, L Philip, PloS one 12 (1), e0169333, **2017**
12. Long-term observations of cloud condensation nuclei in the Amazon rain forest–Part 1: Aerosol size distribution, hygroscopicity, and new model parametrizations for CCN prediction, ML Pöhlker, C Pöhlker, F Ditas, T Klimach, I Hrabě de Angelis, A Araújo, ...Atmospheric Chemistry and Physics 16 (24), 15709-15740, **2016**

13. Bioaerosols in the Earth system: Climate, health, and ecosystem interactions, J Fröhlich-Nowoisky, CJ Kampf, B Weber, JA Huffman, C Pöhlker, ..., *Atmospheric Research* 182, 346-376, **2016**
14. AMAZE-08 Aerosol Characterization and Meteorological Data, Central Amazon Basin: 2008, ST Martin, PE Artaxo, Q Chen, AB Guenther, **SS Gunthe**, JL Jimenez, ... ,ORNL DAAC, **2016**
15. Ghosh, S., Vittal, H., Sharma, T., Karmakar, S., Kasiviswanathan, K. S., Dhanesh, Y., Sudheer, K. P., and **Gunthe, S. S.**: Indian Summer Monsoon Rainfall: Implications of Contrasting Trends in the Spatial Variability of Means and Extremes, *PLoS ONE*, 11, e0158670, 10.1371/journal.pone.0158670, **2016**.
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17. Ansari, T. U., Ojha, N., Chandrasekar, R., Balaji, C., Singh, N., and **Gunthe, S. S.**: Competing impact of anthropogenic emissions and meteorology on the distribution of trace gases over Indian region, *Journal of Atmospheric Chemistry*, 1-18, 10.1007/s10874-016-9331-y, **2016**.
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19. Valsan, A. E., Priyamvada, H., Ravikrishna, R., Després, V. R., Biju, C. V., Sahu, L. K., Kumar, A., Verma, R. S., Philip, L., and **Gunthe, S. S.**: Morphological characteristics of bioaerosols from contrasting locations in southern tropical India – A case study, *Atmospheric Environment*, 122, 321-331, **2015**.
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22. Thomas, T., **Gunthe, S. S.**, Ghosh, N. C., and Sudheer, K. P.: Analysis of monsoon rainfall variability over Narmada basin in central India: Implication of climate change, *Journal of Water and Climate Change*, 6, 615-627, 10.2166/wcc.2014.041, **2015**.

23. Kanawade, V. P., Shika, S., Pöhlker, C., Rose, D., Suman, M. N. S., Gadhavi, H., Kumar, A., Shiva Nagendra, S. M., Ravikrishna, R., Yu, H., Sahu, L. K., Jayaraman, A., Andreae, M. O., Pöschl, U., and **Gunthe, S. S.**: Infrequent occurrence of new particle formation at a semi-rural location, Gadanki, in tropical southern India. *Atmospheric Environment*, 94, 264 - 273, **2014**.
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