

## Publications ( Dr.S.Karuthapandian)

1. Durgadevi R, Ravi AV, Alexpandi R, Swetha TK, Abirami G, Vishnu S and Pandian SK (2019). Virulence targeted inhibitory effect of linalool against the exclusive uropathogen *Proteus mirabilis*. Biofouling [Taylor & Francis, UK] (Impact Factor: 2.786) DOI:10.1080/08927014.2019.1619704 (in press).
2. Sadeer NB, Mahomoodally MF, Zengin G, Jeewon R, Nazurally N, Kannan RRR, Albuquerque RDDG, Pandian SK (2019) Ethno pharmacology, phytochemistry, and global distribution of mangroves- a comprehensive review. Marine Drugs [MDPI], Accepted on 26.03.2019 (Impact Factor: 4.379)
3. Rengasamy KRR, Khan H, Ahmad I, Lobine D, Mahomoodally F, Suroowan S, Hassan STS, Xu S, Patel S, Daglia M, Nabavi SM, Pandian SK (2019) Bioactive peptides and proteins as alternative antiplatelet drugs. Medicinal Research Reviews [Wiley Periodicals, Inc., U.S.A], DOI: 10.1002/med.21579 (Impact Factor: 8.29).
4. Meora R, Sushmitha TJ, Rao TS and Pandian SK (2019). Culture dependent and independent analysis and appraisal of early stage biofilm-forming bacterial community composition in the Southern coastal seawater of India. Science of the Total Environment [Elsevier] doi.org/10.1016/j.scitotenv.2019.02.171 (Impact Factor: 4.610) (In Press).
5. Sivaranjani M, Leskinen K, Aravindraja C, Saavalainen P, Pandian SK, Skurnik M and Ravi AV (2018). Deciphering the antibacterial mode of action of alpha-mangos tin on *Staphylococcus epidermis* RP62A through an integrated transcriptomic and proteomic approach. Frontiers in Microbiology, section Antimicrobials, Resistance and Chemotherapy [Frontiers Research Foundation, Switzerland] (Impact Factor: 4.019) (In Press).
6. Chokpaisarn J, Yincharoen K, Sanpinit S, Pandian SK, Nandhini JR, Gowrishankar S, Limsuwan S, Kunworarath N, Voravuthikunchai SP and Chusri S (2019) Effects of a traditional Thai polyherbal medicine 'Ya-Samarn-Phlae' as a natural anti-biofilm agent against *Pseudomonas aeruginos*. Microbial Pathogenesis [Elsevier] 128:354-362 (Impact Factor: 2.322).
7. Kannappan A, Balasubramaniam B, Ranjitha R, Srinivasan R, Packiavathy IASV, Balamurugan K, Pandian SK and Ravi AV (2019). Exploiting the effect of geraniolcefotaxime combination against the in vitro and in vivo biofilm formation of *Staphylococci* sp. Food and Chemical Toxicology, [Elsevier, The Netherlands] (Impact Factor: 3.977) (In Press).
8. Muthamil S, Balasubramaniam B, Balamurugan K and Pandian SK (2018). Synergistic effect of quinic acid derived from *Syzygium cumini* and undecanoic acid against *Candida* spp. biofilm and virulence. Frontiers in Microbiology, section Antimicrobials, Resistance and Chemotherapy [Frontiers Research Foundation, Switzerland] (Impact Factor: 4.019).
9. Gowrishankar S, Pandian SK, Balasubramaniam B and Balamurugan K (2018). Quorum quelling efficacy of marine cyclic dipeptide –cyclo (L-leucyl-Lprolyl) against the uropathogen *Serratia marcescens*. Food and Chemical Toxicology [Elsevier] 123:326-336 (Impact Factor: 3.977).
10. Santhakumari S, Jayakumar R, Logalakshmi R, Prabhu NM, Nazar AK, Pandian SK, Ravi AV (2018). In vitro and in vivo effect of 2, 6-Di-tert-butyl-4-methylphenol as an antibiofilm agent against quorum sensing mediated biofilm formation of *Vibrio* spp. International Journal of Food Microbiology [Elsevier] (Impact Factor:3.339) (In press).
11. Rengasamy KRR, Khan H, Gowrishankar S, Lagoa RJL, Mahomoodally FM, Khan Z, Suroowan S, Tewari D, Zengin G, Hassan STS and Pandian SK (2018). The role of flavonoids in autoimmune diseases: Therapeutic updates. Pharmacology & Therapeutics. pii: S0163- 7258(18)30174-8. Doi: 10.1016/j.pharmthera.2018.09.009 [Elsevier] (Impact Factor: 10.376).
12. Teshika JD, Zakariyyah AM, Zaynab T, Zengin G, Rengasamy KRR, Pandian SK & Fawzi MM (2018). Traditional and modern uses of onion bulb (*Allium cepa* L.): a systematic review. Clinical Reviews in Food Science and Nutrition doi.org/10.1080/10408398.2018.1499074 [Taylor & Francis, UK] (Impact Factor: 6.015).
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Methicillin-resistant *Staphylococcus aureus*. Food and Chemical Toxicology [Elsevier] (Impact Factor: 3.977).

14. Fang J, Chen Q, He B, Cai J, Yao Y, Cai Y, Xu S, Rengasamy KRR, Gowrishankar S, Pandian SK & Cao T (2018). Tanshinone IIA attenuates TNF- $\alpha$  induced PTX3 expression and monocyte adhesion to endothelial cells through the p38/NF- $\kappa$ B pathway. Food and Chemical Toxicology doi: 10.1016/j.fct.2018.09.063 [Elsevier] (Impact Factor: 3.977).
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18. Banu SF, Rubini D, Murugan R, Vadivel V, Gowrishankar S, Pandian SK and Nithyanand P (2018). Exploring the antivirulent and sea food preservation efficacy of Essential oil combined with DNase on *Vibrio parahaemolyticus*. LWT - Food Science and Technology [Elsevier, USA] (Impact Factor: 2.329) (in press).
19. Sivaranjani M, Srinivasan R, Aravindraja C, Pandian SK and Ravi AV (2018). Morin inhibits biofilm production and reduces the virulence of *Listeria monocytogenes* -An in vitro and in vivo approach. Biofouling [Taylor & Francis, UK] (Impact Factor: 3.080) (in press).
20. Hassan STS, Svajdlenka E, Rengasamy KRR, Melicharkova R and Pandian SK (2018). The metabolic profile of essential oils and assessment of anti-urease activity of ESI-mass spectrometry of *Salvia officinalis* L. South African Journal of Botany [Elsevier] (Impact Factor: 1.427) (in press).
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25. Durgadevi R, Srinivasan R, Kannappan A, Ponraj GJ, Pandian SK and Ravi AV (2018). Photosynthesized silver nanoparticles as anti-quorum sensing and antibiofilm agent against the nosocomial pathogen *Serratia marcescens*: an in vitro study. Journal of Applied Microbiology [Society of Applied Microbiology, Wiley Online Library] (Accepted Article, In Press) (Impact Factor: 2.099).
26. Sethupathy S, Ananthi S, Selvaraj A, Shanmuganathan B, Vigneshwari L, Balamurugan K, Mahalingam S and Pandian SK (2017). Vanillic acid from *Actinidia deliciosa* impedes virulence in *Serratia marcescens* by affecting S-layer, flagellin and fatty acid biosynthesis proteins. Scientific Reports [Nature Publishing Group, UK] 2017 Nov 27; 7(1):16328. Doi: 10.1038/s41598-017-16507-x (Impact Factor: 4.259).

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28. Srinivasan R, Mohankumar R, Kannappan A, Raja KV, Archunan G, Pandian SK, Ruckmani K and Ravi AV (2017). Exploring the anti-quorum sensing and antibiofilm efficacy of phytol against *Serratia marcescens* associated acute pyelonephritis infection in Wistar rats. *Frontiers in Cellular and Infection Microbiology* [Frontiers, Research Foundation, Switzerland] 7:498. Doi: 10.3389/fcimb.2017.00498 (Impact Factor: 4.3).
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30. Gowrishankar S and Pandian SK (2017). Modulation of *Staphylococcus epidermidis* (RP62A) extracellular polymeric layer by marine cyclic dipeptide-cyclo(L-leucyl-L-prolyl) thwarts biofilm formation. *BBA Bio membranes* [Elsevier] 1859: 1254-1262 (Impact Factor: 3.687).
31. Sethupathy S, Vigneshwari L, Valliammai A, Balamurugan K and Pandian SK (2017). LAscorbyl 2, 6-Dipalmitate inhibits biofilm and virulence in methicillin-resistant *Staphylococcus aureus* and prevents triacylglyceride accumulation in *Caenorhabditis elegans*. *RSC Advances* [Royal Society of Chemistry, UK] 7:23392-2340 (Impact Factor: 3.289).
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33. Aravindraja C, Valliammai A, Viswapriya D and Pandian SK (2017). Quorum sensing mediated virulence inhibition of an opportunistic human pathogen *Serratia marcescens* from unexplored marine sediment of Palk Bay through function driven metagenomic approach. *Indian Journal of Experimental Biology* [NISCAIR, CSIR, and India] 55:448-452 (Impact Factor: 1.165).
34. Viswapriya D, Subramenium GA, Radhika S and Pandian SK (2017). Betulin inhibits cariogenic properties of *Streptococcus mutans* by targeting *vicRK* and *gtf* genes. *Antonie van Leeuwenhoek Journal of Microbiology* [Springer] 110:153-165 (Impact Factor: 2.137).
35. Santhakumari S, Nilofernisha NM, Ponraj JG, Pandian SK and Ravi AV (2017). In vitro and in vivo exploration of palmitic acid from *Synechococcus elongatus* as an antibiofilm agent on the survival of *Artemia franciscana* against virulent vibrios. *Journal of Invertebrate Pathology* [Elsevier] 150: 21-31 (Impact Factor: 2.379).
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