

## PROFILE

Name **Dr. P. Velusamy**  
Designation **Professor**  
Unit **Research and Development Wing**  
Affiliating Institution **Sree Balaji Medical College and Hospital (SBMCH) - BIHER, Chennai-600 044 Tamil Nadu, India.**  
E-mail [velusamy.research@bharathuniv.ac.in](mailto:velusamy.research@bharathuniv.ac.in)  
Contact number **+91-8939731191**



Details	Google Scholar	Scopus	Web of Science
<b>Total citations</b>	<b>2783</b>	<b>1977</b>	
<b>h-index</b>	<b>23</b>	<b>20</b>	
<b>i10-index</b>	<b>36</b>		
<b>Total Impact Factor: 155.43</b>			

Education Qualification				
S. No	Institute, Place	Degree	Year	Specialization
1.	University of Madras, Chennai	Ph.D.	2004	Antibacterial Metabolites
2.	Bharathidasan University, Trichy	M.Sc.	1998	Biochemistry
3.	Bharathidasan University, Trichy	B.Sc.	1996	Biochemistry

Academic Experience			
S. No	Institute, Place	Designation	Period
1.	Sree Balaji Medical College and Hospital (BIHER), Chennai, India	Professor	Nov 2021 - Till date
2.	SRM University, Chennai, India	Associate Professor	Jan 2018 - Oct 2021
3.	SRM University, Chennai, India	Assistant Professor	Jul 2009 - Dec 2017

4.	Kyung Hee University, South Korea	Visiting Professor	Jan 2016 - Apr 2016
5.	Chonnam National University, South Korea	Research Professor	Aug 2007 - Jul 2009
6.	Korea University, South Korea	Post-Doc Research Fellow	Aug 2005 - Jul 2007
7.	National Tsing-Hua University, Taiwan	Post-Doc Research	Apr 2004 - May 2005

Honours & Awards		Year
1.	Ranked Top 2% Scientists of the World in Microbiology published by Stanford University, USA	2019-2020
2.	Visiting Professor award Kyung Hee University, South Korea	Jan to Aug 2016

Projects	
<b>Sponsored projects</b>	
1	Design and evaluation of curcumin-loaded niosomes for pulmonary drug delivery towards treatment of SARS-CoV-2 infection. <b>Funding agency:</b> Ministry of Health and Family Welfare under grant-in-aid scheme <b>(To be submitted on Nov 20, 2021).</b>
2	Self-monitoring blood asymmetric dimethylarginine (ADME) diagnostic sensor system for over-the-counter use in early detection and management of coronary artery disease. <b>Funding agency:</b> DST-Nanomission <b>(To be submitted on Nov 30, 2021).</b>
<b>Consultancy projects</b>	
	Under discussion with Madi-Biopharma Pvt Ltd.
<b>Patents</b>	
	Nil

Publications - Articles			
S. No	Details	IF	Citation
1.	<b>P. Velusamy*</b> , K. Kiruba, Chia-Hung Su, V. Around, P. Anbu, S. C.B. Gopinath, B. Vaseeharan (2021). SARS-CoV-2 spike protein: Site-specific breakpoints for the development of COVID-19 vaccines. <b>Journal of King Saud University - Science</b> Vol. 33, Issue 8, 101648. <a href="https://doi.org/10.1016/j.jksus.2021.101648">https://doi.org/10.1016/j.jksus.2021.101648</a>	4.1	0
2.	V. Jeyanthi, <b>P. Velusamy*</b> , G. VenkatKumar, K. Kiruba (2021). Effect of	2.5	1

	naturally isolated hydroquinone in disturbing the cell membrane integrity of <i>Pseudomonas aeruginosa</i> MTCC 741 and <i>Staphylococcus aureus</i> MTCC 740. <b>Heliyon</b> , Vol 7, Issue 5, e07021. <a href="https://doi.org/10.1016/j.heliyon.2021.e07021">https://doi.org/10.1016/j.heliyon.2021.e07021</a>		
3.	<b>P. Velusamy*</b> , Chia-Hung Su, K. Kannan, G. Venkat Kumar, P. Anbu, S.C.B. Gopinath (2021). Surface engineered iron oxide nanoparticles as efficient materials for antibiofilm application. <b>Biotechnology and Applied Biochemistry</b> . <a href="https://doi.org/10.1002/bab.2146">https://doi.org/10.1002/bab.2146</a>	2.4	2
4.	A. K Seema, N. Santhosh Kumar, R. Veena, <b>P. Velusamy</b> , S. Periyar Selvam, M. Thirumurthy (2020). Computational evaluation of major components from plant essential oils as potent inhibitors of SARS-CoV-2 spike protein. <b>Journal of Molecular Structure</b> 1221: 128823. <a href="https://doi.org/10.1016/j.molstruc.2020.128823">https://doi.org/10.1016/j.molstruc.2020.128823</a>	3.2	27
5.	A. Parthasarathy, S. Vijayakumar, B. Malaikozhundan, M.P.Thangaraj, P. Ekambaram, T. Murugan, <b>P. Velusamy</b> , P. Anbu, B. Vaseeharan (2020). Chitosan-coated silver nanoparticles promoted antibacterial, antibiofilm, wound-healing of murine macrophages and antiproliferation of human breast cancer MCF7 cells. <b>Polymer Testing</b> . 90; 106675 <a href="https://doi.org/10.1016/j.polymertesting.2020.106675">https://doi.org/10.1016/j.polymertesting.2020.106675</a> .	4.2	8
6.	S. Vijayakumar, B. Vaseeharan, R. Sudhakaran, J. Jeyakandan, P. Ramasamy, A. Sonawane, A. Padhi, <b>P. Velusamy</b> , P. Anbu, C. Faggio (2019). Bioinspired Zinc Oxide Nanoparticles Using <i>Lycopersicon esculentum</i> for Antimicrobial and Anticancer Applications. <b>Journal of Cluster Science</b> . Vol. 30:1465–1479. <a href="https://doi.org/10.1007/s10876-019-01590-z">https://doi.org/10.1007/s10876-019-01590-z</a>	3.1	24
7.	S.C.B. Gopinath, L. Wang, R.D.A.A. Rajapaksha, P. Anbu, <b>P. Velusamy</b> , K. Pandian, M.K. Md Arshad, T. Lakshmipriya, C-G. Lee (2019). Photovoltaic and Antimicrobial Potentials of Electrodeposited Copper Nanoparticle. <b>Biochemical Engineering Journal</b> . Vol. 142, 97-104. <a href="https://doi.org/10.1016/j.bej.2018.10.009">https://doi.org/10.1016/j.bej.2018.10.009</a>	4.0	14
8.	<b>P. Velusamy*</b> , C.M. Srinivasa, G. Venkat Kumar, Y. Qurishi, C-H. Su, S. C. B. Gopinath (2018). A pH Stimuli thiol modified mesoporous silica nanoparticles: doxorubicin carrier for cancer therapy. <b>Journal of the Taiwan Institute of Chemical Engineers</b> . Vol. 87, 264-271 <a href="https://doi.org/10.1016/j.jtice.2018.03.048">https://doi.org/10.1016/j.jtice.2018.03.048</a>	5.9	32
9.	S.C.B. Gopinath, S. Ramanathan, K. Hann Suk, P. Anbu, <b>P. Velusamy</b> , K. Pandian (2018). Characterization of reduced graphene oxide obtained from vacuum-assisted low-temperature exfoliated graphite. <b>Microsystem Technologies</b> . Vol.24, 5007-5016. <a href="https://doi.org/10.1007/s00542-018-3921-3">https://doi.org/10.1007/s00542-018-3921-3</a>	2.3	27
10.	M. Divya, B. Vaseeharan, , M. Anjugam, A. Iswarya, S. Karthikeyan, <b>P. Velusamy</b> , M. Govindaraj N.S. Alharbif S. Kadaikunnan, J.M. Khaled, C. Vágvolgyif (2018). Phenoloxidase activation, antimicrobial, and antibiofilm properties of $\beta$ -glucan binding protein from <i>Scylla serrata</i> crab hemolymph. <b>International Journal of Biological Macromolecules</b> . Vol. 114, 864-873. <a href="https://doi.org/10.1016/j.ijbiomac.2018.03.159">https://doi.org/10.1016/j.ijbiomac.2018.03.159</a>	7.0	24

11.	R. Pachaiappan, E. Tamboli, A. Acharya, C-H. Su, SCB. Gopinath, Y. Chen, <b>P.Velusamy</b> , (2018). Separation and identification of bioactive peptides from stem of <i>Tinospora cordifolia</i> (Willd.) Miers. <b>PLoS ONE</b> 13(3): e0193717. <a href="https://doi.org/10.1371/journal.pone.0193717">https://doi.org/10.1371/journal.pone.0193717</a>	3.2	15
12.	B. Abinaya, B. Manish, S. Meenakumari, T. Munusamy, M. Thirumurthy, N. Santhosh Kumar, <b>P.Velusamy</b> , R. Pachaiappan, (2018). Isolation, purification and characterization of proteinaceous fungal $\alpha$ -amylase inhibitor from rhizome of <i>Cheilocostus speciosus</i> (J.Koenig) C.D.Specht. <b>International Journal of Biological Macromolecules</b> . Vol. 111: 39-51. <a href="https://doi.org/10.1016/j.ijbiomac.2017.12.158">https://doi.org/10.1016/j.ijbiomac.2017.12.158</a>	7.0	23
13.	Chia-Hung Su, G. Venkat Kumar, S. Adhikary, <b>P. Velusamy*</b> , K. Pandian, P. Anbu, (2017). Preparation of cotton fabric using sodium alginate-coated nanoparticles to protect against nosocomial pathogens. <b>Biochemical Engineering Journal</b> . Vol. 117, 15: 28–35. <a href="http://dx.doi.org/10.1016/j.bej.2016.10.020">http://dx.doi.org/10.1016/j.bej.2016.10.020</a>	4.0	43
14.	S. Vijayakumar, B. Vaseeharan, B. Malaikozhundan, N. Gopi, P. Ekambaram, R. Pachaiappan, <b>P. Velusamy</b> , K. Murugan, G. Benelli, R. Suresh kumar, M. Suriyanarayanamoorthy, 2017. Therapeutic effects of gold nanoparticles synthesized using <i>Musa paradisiaca</i> peel extract against multiple antibiotic resistant <i>Enterococcus faecalis</i> biofilms and human lung cancer cells (A549). <b>Microbial Pathogenesis</b> . Vol. 102, 173–183. <a href="http://dx.doi.org/10.1016/j.micpath.2016.11.029">http://dx.doi.org/10.1016/j.micpath.2016.11.029</a>	3.8	22
15.	V. Gopinath, S. Priyadarshini, M F Loke, J. Arunkumar, E. Marsili, D. MubarakAli, <b>P. Velusamy*</b> , J. Vadivelu, 2017. Biogenic synthesis, characterization of antibacterial silver nanoparticles and its cell cytotoxicity. <b>Arabian Journal of Chemistry</b> . Vol. 10,: 1107-1117 <a href="http://dx.doi.org/10.1016/j.arabjc.2015.11.011">http://dx.doi.org/10.1016/j.arabjc.2015.11.011</a>	5.1	47
16.	Chia-Hung Su, <b>P. Velusamy*</b> , G. Venkat Kumar, S. Adhikary, K. Pandian, P. Anbu, 2017. Studies of antibacterial efficacy of different biopolymer protected silver nanoparticles synthesized under reflux condition. <b>Journal of Molecular Structure</b> . Vol. 1128: 718-723. <a href="http://dx.doi.org/10.1016/j.molstruc.2016.09.045">http://dx.doi.org/10.1016/j.molstruc.2016.09.045</a>	3.2	53
17.	M. Anjugam, A. Iswarya, T, Indumathi, B. Vaseeharan, R. Pachaiappan, N. Gopi, and <b>P. Velusamy</b> , 2016 Antibiofilm Competency of <i>Portunus pelagicus</i> Haemolymph and Identification of its Bioactive Compounds. <b>Journal of Aquaculture Research &amp; Development</b> . Vol. 7: 444. <a href="http://dx.doi.org/10.4172/2155-9546.1000444">http://dx.doi.org/10.4172/2155-9546.1000444</a>	0	14
18.	G. Venkat Kumar, Chia-Hung Su, <b>P. Velusamy*</b> , 2016. Surface immobilization of kanamycin-chitosan nanoparticles on polyurethane ureteral stent to prevent bacterial adhesion. <b>Biofouling</b> . Vol. 32: 861-870. <a href="http://dx.doi.org/10.1080/08927014.2016.1202242">http://dx.doi.org/10.1080/08927014.2016.1202242</a>	3.2	62
19.	G. Venkat Kumar, Chia-Hung Su, <b>P. Velusamy*</b> , 2016. Preparation and characterization of kanamycin-chitosan nanoparticles to improve the efficacy of antibacterial activity against nosocomial pathogens. <b>Journal of the Taiwan Institute of Chemical Engineers</b> . Vol. 65: 574-583. <a href="http://www.sciencedirect.com/science/article/pii/S187610701630164X">http://www.sciencedirect.com/science/article/pii/S187610701630164X</a>	5.9	43
20.	<b>P. Velusamy*</b> , Chia-Hung Su, A. Shritama, G. Venkat Kumar, K. Pandian,	3.2	57

	2016. Biopolymers regulate silver nanoparticle under microwave irradiation for effective antibacterial and antibiofilm activities. <b>PLoS One</b> Vol. 11(6): e0157612 <a href="http://dx.doi.org/10.1371/journal.pone.0157612">http://dx.doi.org/10.1371/journal.pone.0157612</a>		
21.	G. Venkat Kumar, Chia-Hung Su, <b>P. Velusamy*</b> , 2016. Ciprofloxacin loaded genipin cross-linked chitosan/heparin nanoparticles for drug delivery application. <b>Materials Letters</b> . Vol. 180: 119-122. <a href="https://doi.org/10.1016/j.matlet.2016.05.108">https://doi.org/10.1016/j.matlet.2016.05.108</a>	3.5	92
22.	<b>P. Velusamy*</b> , G. Venkat Kumar, V. Jeyanthi, J. Das, and R. Pachaiappan, 2016. Bio-Inspired green nanoparticles: Synthesis, mechanism, and antibacterial application. <b>Toxicological Research</b> . Vol. 32: 95–102. <a href="https://doi.org/10.5487/TR.2016.32.2.095">https://doi.org/10.5487/TR.2016.32.2.095</a>	2.73	139
23.	S. Shanthi, B. D. Jayaseelan, <b>P. Velusamy</b> , S. Vijayakumar, C.T. Chih, B. Vaseeharan, 2016. Biosynthesis of silver nanoparticles using a probiotic <i>Bacillus licheniformis</i> Dabhl and their antibiofilm activity and toxicity effects in <i>Ceriodaphnia cornuta</i> . <b>Microbial Pathogenesis</b> . Vol. 93: 70-77. <a href="http://dx.doi.org/10.1016/j.micpath.2016.01.014">http://dx.doi.org/10.1016/j.micpath.2016.01.014</a>	3.8	122
24.	V. Jeyanthi, P. Anbu, M. Vairamani, <b>P. Velusamy*</b> , 2016. Isolation of hydroquinone (benzene-1,4-diol) metabolite from halotolerant <i>Bacillus methylotrophicus</i> MHC10 and its inhibitory activity towards bacterial pathogens. <b>Bioprocess and Biosystems Engineering</b> . Vol. 39: 429-39. <a href="https://doi.org/10.1007/s00449-015-1526-0">https://doi.org/10.1007/s00449-015-1526-0</a>	3.2	53
25.	V. Jeyanthi and <b>P. Velusamy*</b> , 2016. Anti-methicillin resistant <i>Staphylococcus aureus</i> compound isolation from halophilic <i>Bacillus amyloliquefaciens</i> MHB1 and determination of its mode of action using electron microscope and flow cytometry analysis. <b>Indian Journal of Microbiology</b> . Vol. 56: 148-157. <a href="https://doi.org/10.1007/s12088-016-0566-8">https://doi.org/10.1007/s12088-016-0566-8</a>	2.9	38
26.	<b>P. Velusamy*</b> , R. Pachaiappan, M. Christopher, B. Vaseeharan, P. Anbu, and J-S. So, 2016. Isolation and identification of a novel fibrinolytic <i>Bacillus tequilensis</i> CWD-67 from dumping soils enriched with poultry wastes. <b>Journal of General and Applied Microbiology</b> . Vol. 61: 241–247. <a href="https://doi.org/10.2323/jgam.61.241">https://doi.org/10.2323/jgam.61.241</a>	1.5	42
27.	<b>P. Velusamy*</b> , Su Chia-Hung, A. Shritama, G. Venkat Kumar, V. Jeyanthi, K. Pandian, 2016. Synthesis of oleic acid coated iron oxide nanoparticles and its role in anti-biofilm activity against clinical isolates of bacterial pathogens. <b>Journal of the Taiwan Institute of Chemical Engineers</b> . Vol. 59: 450-456. <a href="https://doi.org/10.1016/j.jtice.2015.07.018">https://doi.org/10.1016/j.jtice.2015.07.018</a>	5.9	219
28.	<b>P. Velusamy*</b> , J. Das, R. Pachaiappan, B. Vaseeharan, K. Pandian, 2015. Greener approach for synthesis of antibacterial silver nanoparticles using aqueous solution of neem gum ( <i>Azadirachta indica</i> L.). <b>Industrial Crops and Products</b> . Vol. 66: 103–109. <a href="https://doi.org/10.1016/j.indcrop.2014.12.042">https://doi.org/10.1016/j.indcrop.2014.12.042</a>	5.7	246
29.	<b>P. Velusamy*</b> and J. Das, 2014. Identification and characterization of antifungal chitinase from <i>Bacillus subtilis</i> JD-09 and their role in inhibition	0.5	26

	of viable fungal growth. <b>International Journal of Pharmacy and Pharmaceutical Sciences</b> Vol. 6: 232–235. <a href="http://innovareacademics.in/journals/index.php/ijpps/article/viewFile/1737/9591">http://innovareacademics.in/journals/index.php/ijpps/article/viewFile/1737/9591</a>		
30.	J. Das, <b>P. Velusamy*</b> , 2014. Catalytic reduction of methylene blue using biogenic gold nanoparticles from <i>Sesbania grandiflora</i> L. <b>Journal of the Taiwan Institute of Chemical Engineers</b> . Vol. 45: 2280–2285. <a href="https://doi.org/10.1016/j.jtice.2014.04.005">https://doi.org/10.1016/j.jtice.2014.04.005</a>	5.9	140
31.	J. Das, <b>P. Velusamy*</b> , 2013. Antibacterial effects of biosynthesized silver nanoparticles using aqueous leaf extract of <i>Rosmarinus officinalis</i> L. <b>Materials Research Bulletin</b> . Vol. 48: 4531–4537. <a href="https://doi.org/10.1016/j.materresbull.2013.07.049">https://doi.org/10.1016/j.materresbull.2013.07.049</a>	4.5	133
32.	V. Gopinath and <b>P. Velusamy*</b> , 2013. Extracellular biosynthesis of silver nanoparticles using <i>Bacillus</i> sp. GP-23 and evaluation of their antifungal activity towards <i>Fusarium oxysporum</i> . <b>Spectrochimica Acta Part A: Molecular &amp; Biomolecular Spectroscopy</b> . Vol. 106: 170–174. <a href="https://doi.org/10.1016/j.saa.2012.12.087">https://doi.org/10.1016/j.saa.2012.12.087</a>	4.1	212
33.	J. Das, M.P. Das and <b>P. Velusamy*</b> , 2013. <i>Sesbania grandiflora</i> leaf extract mediated green synthesis of antibacterial silver nanoparticles against selected human pathogens. <b>Spectrochimica Acta Part A: Molecular &amp; Biomolecular Spectroscopy</b> . Vol. 104: 265–270. <a href="https://doi.org/10.1016/j.saa.2012.11.075">https://doi.org/10.1016/j.saa.2012.11.075</a>	4.1	233
34.	S. Priyadarshini, V. Gopinath, N. Meera Priyadharsshini, D. MubarakAli and <b>P. Velusamy*</b> , 2013. Synthesis of anisotropic silver nanoparticles using novel strain, <i>Bacillus flexus</i> and its biomedical application. <b>Colloids and Surfaces B: Biointerfaces</b> . Vol. 102: 232-237. <a href="https://doi.org/10.1016/j.colsurfb.2012.08.018">https://doi.org/10.1016/j.colsurfb.2012.08.018</a>	5.3	262
35.	V. Gopinath, S. Priyadarshini, N. Meera Priyadharsshini, K. Pandian and <b>P. Velusamy*</b> , 2013. Biogenic synthesis of antibacterial silver chloride nanoparticles using leaf extracts of <i>Cissus quadrangularis</i> Linn. <b>Materials Letters</b> . Vol. 91: 224-227. <a href="https://doi.org/10.1016/j.matlet.2012.09.102">https://doi.org/10.1016/j.matlet.2012.09.102</a>	3.5	293
36.	V. Gopinath, D. MubarakAli., S. Priyadarshini., N. Meera Priyadharsshini., T. Noor and <b>P. Velusamy*</b> , 2013. Biosynthesis of silver nanoparticles from <i>Tribulus terrestris</i> and its Antimicrobial activity: A novel biological approach. <b>Colloids and Surfaces B: Biointerfaces</b> . Vol. 96: 69-74. <a href="https://doi.org/10.1016/j.colsurfb.2012.03.023">https://doi.org/10.1016/j.colsurfb.2012.03.023</a>	5.3	475
37.	J. Das and <b>P. Velusamy*</b> , 2013. Biogenic Synthesis of Antifungal Silver Nanoparticles Using Aqueous Stem Extract of Banana. <b>Nano Biomedicine and engineering</b> . Vol. 5: 34-38. <a href="http://doi.org/10.5101/nbe.v5i1.p34-38">http://doi.org/10.5101/nbe.v5i1.p34-38</a>	2.3	49
38.	<b>P. Velusamy*</b> , J.E. Immanuel, S.S. Gnanamanickam, 2013. Rhizosphere Bacteria for Biocontrol of Bacterial Blight and Growth Promotion of Rice. <b>Rice Science</b> . Vol. 20: 356-362. <a href="https://doi.org/10.1016/S1672-6308(13)60143-2">https://doi.org/10.1016/S1672-6308(13)60143-2</a>	3.4	61
39.	G. Kulshreshtha and <b>P. Velusamy*</b> , 2012. Antibacterial potential of bioactive compounds from fermented culture of <i>Pseudomonas aeruginosa</i>	3.1	48

	SRM1 against <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> . <b>Minerva Biotechnologica</b> . Vol. 24: 29-36. <a href="http://www.minervamedica.it/en/journals/minerva-biotechnologica/article.php?cod=R04Y2012N02A0029">http://www.minervamedica.it/en/journals/minerva-biotechnologica/article.php?cod=R04Y2012N02A0029</a>		
40.	<b>P. Velusamy*</b> and K.Y. Kim, 2011. Chitinolytic activity of <i>Enterobacter</i> sp. KB3 antagonistic to <i>Rhizoctonia solani</i> and its role in the degradation of living fungal hyphae. <b>Int. Res. J. Microbiol.</b> Vol. 2: 206-214. <a href="http://www.interestjournals.org/irjm/july-2011-vol-2-issue-6">http://www.interestjournals.org/irjm/july-2011-vol-2-issue-6</a>	0.2	63
41.	<b>P. Velusamy*</b> , H. S. Ko and K.Y. Kim, 2011. Determination of antifungal activity of <i>Pseudomonas</i> sp. A3 against <i>Fusarium oxysporum</i> by high performance liquid chromatography (HPLC). <b>Agric. Food Anal. Bacteriol.</b> Vol. 1: 15-23. <a href="http://afabjournal.com/wp-content/uploads/AFAB10-04-WEB.pdf">http://afabjournal.com/wp-content/uploads/AFAB10-04-WEB.pdf</a>	1.2	71
42.	<b>P. Velusamy</b> , Y. M. Awad, S.A.M. Abd EI-Azeem and Y.S. Ok, 2011. Screening of heavy metal resistant bacteria isolated from hydrocarbon contaminated soil in Korea. <b>Journal of Agricultural, Life and Environmental Sciences</b> . Vol. 23: 40-43. <a href="https://alsri.kangwon.ac.kr/article_list/main.asp?jidx=20&amp;list_type=&amp;item=&amp;keyword=&amp;cpage=1&amp;pp=view&amp;al_idx=260">https://alsri.kangwon.ac.kr/article_list/main.asp?jidx=20&amp;list_type=&amp;item=&amp;keyword=&amp;cpage=1&amp;pp=view&amp;al_idx=260</a>	0.8	34
43.	<b>P. Velusamy</b> , J. Immanuel, S. S. Gnanamanickam and Linda Thomashow, 2006. Biological control of rice bacterial blight by plant-associated bacteria producing 2,4-diacetylphloroglucinol. <b>Canadian Journal of Microbiology</b> . Vol. 52: 56-65. <a href="https://doi.org/10.1139/w05-106">https://doi.org/10.1139/w05-106</a>	2.5	128
44.	<b>P. Velusamy</b> and S. S. Gnanamanickam, 2003. Plant-associated bacteria, 2,4-diacetylphloroglucinol (DAPG) production and suppression of rice bacterial blight in India. <b>Current Science</b> . Vol. 85: 1270-1273. <a href="http://www.iisc.ernet.in/currsci/nov102003/1270.pdf">http://www.iisc.ernet.in/currsci/nov102003/1270.pdf</a>	1.1	117
45.	P. Vasudevan, M. S. Reddy, S. Kavitha, <b>P. Velusamy</b> , R. S. David PaulRaj, S. M. Purushothaman, V. Brindha Priyadarisini, S. Bharathkumar, J. W. Kloepper and S. S. Gnanamanickam, 2002. Role of biological preparations in enhancement of rice seedling growth and grain yield. <b>Current Science</b> . Vol. 83: 1140-1143. <a href="http://www.ag.auburn.edu/enpl/directory/faculty/reddy/PDFs/70.pdf">http://www.ag.auburn.edu/enpl/directory/faculty/reddy/PDFs/70.pdf</a>	1.1	69

Publications – Books/Book chapters		
S. No	Details of Book	ISSN/ISBN
1.	<b>P. Velusamy*</b> , 2012. Biocontrol of Rice Bacterial Blight By Plant Associated Bacteria. Academic Publishing GmbH & Co. KG, LAP LAMBERT Heinrich-Böcking-Str. 6-8 66121, Saarbrücken, Germany. <a href="http://www.bod.com/index.php?id=3435&amp;objk_id=883741">http://www.bod.com/index.php?id=3435&amp;objk_id=883741</a>	ISBN:978-3-659-26665-2
Details of Book Chapters		ISSN/ISBN
2.	<b>P. Velusamy*</b> , K. Kiruba, K. N. Rajnish, T. Madhavan, P. Anbu 2021. Recent advances in the development of antimicrobial nanotextiles for prevention of infectious diseases transmission in healthcare workers. Edited	<b>ISBN:</b> 9780323852043

	by Nabil Ibrahim and Chaudhery Hussain in Green Chemistry for Sustainable Textiles. 1 <sup>st</sup> edition. Elsevier, New York. <a href="https://doi.org/10.1016/B978-0-323-85204-3.00019-1">https://doi.org/10.1016/B978-0-323-85204-3.00019-1</a>	
3.	P. Anbu, S. Jayanthi, <b>P. Velusamy</b> 2021, Characterization of nanoparticles using nano-analytical techniques. 1 <sup>st</sup> edition. Nanoparticles in analytical medical devices. Edited by Subash Gopinath and Fang Gang. Elsevier, New York, vol.1 pp 56-74. <a href="https://doi.org/10.1016/B978-0-12-821163-2.00004-2">https://doi.org/10.1016/B978-0-12-821163-2.00004-2</a>	<b>ISBN:</b> 9780128211632
4.	<b>P. Velusamy*</b> and S. S. Gnanamanickam 2008. The effect of bacterial secondary metabolites on bacterial and fungal pathogens of Rice. In: Soil Biology Series of Secondary Metabolites in Soil Ecology, P. Karlovsky, (ed.). Springer-Verlag, New York. Vol. XII, pp 93-106. <a href="http://link.springer.com/content/pdf/bfm:978-3-540-74543-3/1.pdf">http://link.springer.com/content/pdf/bfm:978-3-540-74543-3/1.pdf</a>	<b>ISBN:</b> 978-3-540-74543-3
5.	<b>P. Velusamy</b> , S. Kavitha, S. S. Gnanamanickam and L. S. Thomashow 2006. Prospects of genetic improvement of biocontrol agents for biological control of plant diseases. In: Current status of biological control of plant diseases using antagonistic organisms in India, B. Ramanujam, and R.J. Rabindra, (eds.). CABI, Wellington, U.K. pp. 135-143.	-
6.	<b>P. Velusamy</b> , G. Defago, L. S. Thomashow, S. S. Gnanamanickam 2004. Role of 2,4-diacetylphloroglucinol (DAPG) for plant disease control: its importance to rice bacterial blight suppression in India. In: Biotechnological Approaches to the Integrated Management of Crop Diseases, C. D. Mayee et al (eds.). Daya Publishing House, New Delhi, India, Vol. XX, pp. 182-191.	<b>ISBN :</b> 8170353521
7.	R. S. David Paul Raj, <b>P. Velusamy</b> and S. S. Gnanamanickam 2001. Sheath blight disease of rice. In: IPM System in Agriculture, Rajeev K. Upadhyay, D. K. Arora and O. P. Dubey, (eds.). Aditya Books Pvt. Ltd., New Delhi, India. Vol. 8, pp 299-320.	<b>ISBN</b> :10:8185353484

Conferences		
S.No	Invited speaker/paper presentation/workshop	National/ International
1.	<b>P. Velusamy</b> 2019. Development of Dual-Responsive Biopolymer in the Design of Smart Nano-Drug Delivery Towards Infection Diseases. 1 <sup>st</sup> International Conference on “Recent Advancement on Biomolecule Inventions- RABI 2019” on 26~27 July 2019 at Holy Cross College, Nagercoil, Tamil Nadu.	International
2.	<b>P. Velusamy</b> 2015. Convener on National workshop on Plant Proteomics for teaching faculty. January 27th – 31st, 2015. Organized by Dept of Biotechnology at SRM University, Chennai, India.	National
3.	<b>P. Velusamy</b> 2014. Paper presentation “OA coated iron oxide nanoparticles and its biomedical application” in the Research Day held on 28 February 2014 at SRM University, Kattankulathur, Tamil Nadu.	National
4.	<b>P. Velusamy</b> 2013. Paper presentation “Biosynthesis of silver nanoparticles from the <i>Azadirachta indica</i> gum extract and its antimicrobial property” in the Research Day held on 1 March 2013 at SRM	National



	University, Kattankulathur, Tamil Nadu.	
5.	<b>P. Velusamy</b> 2013. Paper presentation “A novel approach for the synthesis of silver chloride nanoparticles using leaf extract of <i>Cissus quadrangularis</i> ” in the Research Day held on 1 March 2013 at SRM University, Kattankulathur, Tamil Nadu.	National
6.	<b>P. Velusamy</b> 2013. Paper presentation “Purification and characterization of protease with biotechnological application from the hemolymph of Indian apple snails, <i>Pila globosa</i> ” in the Research Day held on 1 March 2013 at SRM University, Kattankulathur, Tamil Nadu.	National
7.	<b>P. Velusamy</b> 2013. Organizing committee member on National conference on frontiers in biotechnology (NCFB-2012) held on 14&15 February 2012 at Dept of Biotechnology, SRM University, Kattankulathur, Tamil Nadu.	National
8.	<b>P. Velusamy</b> 2013. Beyond the soils: role of indigenous microbial communities on plant growth and health. National conference on Advances in Plant Pathology, March 27&28 2013. Centre for Advanced in Botany, University of Madras, Chennai, India (Invited speaker)	National
9.	S. Aarthi, R. Raghav Srivatsan, ArunRaja. N, R. Pachaiappan, <b>P. Velusamy</b> 2013. Purification and characterization of proteases with biological applications from the hemolymph of Indian apple snail. National conference on Advances in Plant Pathology, March 27&28 2013. CAS Botany, University of Madras, India	National
10.	<b>P. Velusamy</b> 2012. A novel approach for biogenic synthesis of silver chloride nanoparticles using leaf extracts of <i>Cissus quadrangularis</i> and their antibacterial efficacy. Biotechnology 3rd World Congress on 13-15 September 2012. Hyderabad International Convention Centre (HICC), Hyderabad, India (Invited speaker)	International
11.	V. Gopinath and <b>P. Velusamy</b> 2012. Biogenic synthesis of metal nanoparticles from <i>Bacillus fluxus</i> . National conference on frontiers in Biotechnology at SRM University, Chennai, India.	National
12.	Jayapratap Das, <b>P. Velusamy</b> , S. Anbu, and K.Pandian 2012. Study the Antifungal Activity of Ketakonazole Stabilized Silver Nanoparticles Embedded Chitosan Nanofibers Developed by Electrospinning Method. National conference on Algal bioactive substance, University of Madras, Guindy Campus, Chennai, India	National
13.	<b>P. Velusamy</b> 2011. One day workshop participated on “Biological Nuclear Transmutations Historical Perspective and Application” held in SRM University in association with Indian Institute of Metals Kalpakkam Chapter IGCAR during 15 <sup>th</sup> February 2011.	National
14.	<b>P. Velusamy</b> 2010. Organizing tem member 98 <sup>th</sup> Indian Science Congress held on January 3-7, 2011 at SRM University, Kattankulathur, India.	National
15.	<b>P. Velusamy</b> 2010. Paper presentation on Biological application of silver and gold nanoparticles. International conference on bioengineering held on July 29-31, 2010 at SRM University, Kattankulathur, India.	National
16.	Garima, Pravin Patil, Santosh Mishra and <b>P. Velusamy*</b> , Antibacterial Potential of Bioactive Compounds from Fermented Culture of <i>Pseudomonas aeruginosa</i> SRM1 Against <i>Xanthomonas oryzae</i> . National conference on Biocontrol of plant pathogens at CAS in Botany, University	National

	of Madras.	
17.	<b>P. Velusamy</b> and Yong Sik Ok 2008. Biological control of soil-borne diseases by antagonistic bacteria. Annual conference on Korean Microbiology Society at KNU, Chunchon, Korea. pp 34-48. (Invited speaker)	National
18.	<b>P. Velusamy</b> and Yong Sik Ok 2008. Characterization of <i>P. fluorescens</i> PTB9 role in biocontrol of bacterial blight (BB) and growth promotion of rice ( <i>Oriza sativa</i> L.). The 5th International Joint Symposium between Japan and Korea: The Recent Status and Perspectives of Food System, Agricultural Environment and Biology. pp 361-374. (Invited speaker)	International
19.	B. S. Choi, K. C. Hong, Y. M. Awad, <b>P. Velusamy</b> , H. Y. J. E. Lee, J. E. Yang and Yong Sik Ok 2008. Feasibility for reuse of reclaimed wastewater and waste nutrient solution for crop production in Korea. The 5th International Joint Symposium between Japan and Korea: The Recent Status and Perspectives of Food System, Agricultural Environment and Biology. pp 305-314.	International
20.	Kyoung Mi Yun, Sang Bok Lee, <b>P. Velusamy</b> , Yong Woong Kim, Kil Yong Kim 2007. Effect of <i>Lysobacter</i> enzymogenes for biological control of rice sheath blight ( <i>Rhizotonia solani</i> ). Annual conference on Korean Microbiology Society, CNU, Korea.	National
21.	Duyet LV, Park SC, <b>P. Velusamy</b> , Phung PB, Chun MK, Cheong GW. 2006. Proteomic analysis of heat, osmotic and oxidative stress response in <i>Thermococcus koradaraensis</i> KOD1. Korean Society for Biochemistry and Molecular Biology, Jinju, Korea. pp 212.	International
22.	<b>P. Velusamy</b> and S. S.Gnanamanickam 2003. Biological control of rice pathogens. 6th International PGPR Workshop Proceedings. M. S. Reddy., M. Anandaraj., S. J. Eapen., Y. R. Sarma and J. W. Kloepper (eds.). Indian Institute of Spices Research, Calicut, India, 436 pp.	International
23.	<b>P. Velusamy</b> and S. S. Gnanamanickam 2003. Plant-associated bacteria, 2,4- diacetylphloroglucinol (DAPG) production National conference on biological Control of Crop Diseases: Present Perspectives and Future Challenges at Centre for Advanced Studies in Botany, University of Madras, Chennai, India.	National