

RESUME



Name: Dr P. Ganesan M.Sc., Ph.D., F.R.E.S.,
Designation: Scientist
Department: Xavier Research Foundation
Address: St. Xavier's College, Palayamkottai-627 002

PERSONAL DETAILS

Date of Birth : 23.07.1992

Qualification : P.hD

Designation : Scientist

Department : Xavier Research Foundation

Community : Devendra Kula Velalar

Religion : Hindu

Nationality : Indian

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ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
Ph.D.	Zoology (Entomology)	(Entomology Research Institute, Loyola College)	University of Madras	2019

M.Sc.	Zoology	(Loyola College)	University of Madras	2014
B.Sc.	Zoology	St. Xavier's College	Manonmaniam Sundaranar University	2012
H.S.C	Tamil, English, Physics, Chemistry, Botany, Zoology	State Board	State Board	2009
S.S.L. C	Tamil, English, Maths, Science, Social Science	State Board	State Board	2007

ACADEMIC IDENTITY

*VIDWAN ID	Vidwan-ID : 287795- https://vidwan.inflibnet.ac.in/profile/287795
*ORCID ID	0000-0002-9325-8857
*SCOPUS ID	ID: 57209577064
*RESEARCHER ID/ PUBLONS ID	https://www.researchgate.net/profile/Pathalam_Ganesan?ev=hdr_xprf
GOOGLE SCHOLAR LINK	https://scholar.google.com/citations?user=GjLlzEEAAAAJ&hl=en

TEACHING EXPERIENCE

Date of Appointment	01..7.2021
Date of Retirement	
Teaching Experience	UG
	PG
	M.Phil.
Research	Guided M Phil: Guided Ph D: Guiding Ph Scholar:

AREAS OF RESEARCH

Microbiology
Vector Control
Insect Pest Management
Molecular Biology
Entomology

RESEARCH PROJECTS CARRIED OUT			
S. No	Title of the Project (Major)	Name of the Funding Agency & Amount	Duration
1.	Biocontrol and Non-Target Effects of Secondary Metabolites Isolated from Soil Actinomycetes Collected from the Agasthiyamalai Hills of the Western Ghats, Tirunelveli, Tamil Nadu, India” (NO. 6/9-7(309)/2023-ECD-II, Dated 22 nd September 2023)	Indian Council of Medical Research-35, 73, 249.00	3 years

BOOK CHAPTERS			
S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No
1.	Metabolites from actinobacteria for mosquito control	Actinobacteria	106885

PUBLICATIONS: SCOPUS INDEXED JOURNALS (24) WEB OF SCIENCE (24)			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1.	Antimicrobial activity of some actinomycetes from Western Ghats of Tamil Nadu, India.	Alexandria journal of medicine (Elsevier/Taylor and Francis)	53(2), 101-110. Impact Factor: 0.8
2.	Isolation and molecular characterization of actinomycetes with antimicrobial and mosquito larvicidal properties.	Beni-Suef University journal of basic and applied sciences (Elsevier/Springer)	6(2), 209-217. Impact Factor: 2.5

3.	Effect of compound isolated from Lawsonia inermis (L.)(Myrtales: Lythraceae) on the immature stages of filarial vector Culex quinquefasciatus Say (Diptera: Culicidae) and its docking analysis with Acetylcholineesterase (AChE1).	Biocatalysis and Agricultural Biotechnology (Elsevier)	15, 210–218. Impact Factor: 4.6
4.	Larvicidal, ovicidal and repellent activities of Streptomyces enissocaesilis (S12-17) isolated from Western Ghats of Tamil Nadu, India.	J. Entomol. Zool. Stud.,	6(2), 1828-1835.
5.	Effect of compound Musizin isolated from Rhamnus wightii Wight and Arn on the immature stages of filarial vector mosquito Culex quinquefasciatus Say (Diptera: Culicidae) and its non-target studies.	Biocatalysis and agricultural biotechnology, (Elsevier)	16, 37-42. Impact Factor: 4.6
6.	Biocontrol and non-target effect of fractions and compound isolated from Streptomyces rimosus on the immature stages of filarial vector Culex quinquefasciatus Say (Diptera: Culicidae) and the compound interaction with Acetylcholinesterase (AChE1).	Ecotoxicology and environmental safety, (Elsevier)	161, 120-128. Impact Factor: 6.6
7.	Larvicidal, Ovicidal, and Histopathological Effects of the Sulphur Polypore Mushroom,	International Journal of Medicinal Mushrooms (Begell House)	20(12).Impact Factor: 1.6

	Laetiporus sulphureus (Agaricomycetes), Collected from Tamil Nadu, India against Mosquitoes.		
8.	Mosquito (Diptera: Culicidae) Larvicidal and Ovicidal Properties of Extracts from Streptomyces vinaceusdrappus (S12-4) Isolated from Soils1.	Journal of Entomological Science, (Bio One)	53(1), 17-26. Impact Factor: 0.58
9.	Larvicidal and pupicidal activities of alizarin isolated from roots of Rubia cordifolia against Culex quinquefasciatus Say and Aedes aegypti (L.) (Diptera: Culicidae).	Neotropical entomology (Springer)	45(4), 441-448. Impact Factor: 1.8
10.	Mesenchymal stem cells (MSC): identification, proliferation and differentiation (	PeerJ PrePrints.	No. e148v1.
11.	Comparative studies of tripolyphosphate and glutaraldehyde cross-linked chitosan-botanical pesticide nanoparticles and their agricultural applications.	International journal of biological macromolecules, (Elsevier)	104, 1813-1819. Impact Factor: 8.7
12.	Activity of Some Medicinal Plants Against Phytopathogenic Fungi. International	Journal of Scientific Research in Biological Sciences	5, 124-137.
13.	Mosquitocidal activity of <i>Psathyrella candolleana</i> (Fr.) Maire (Agaricales: Psathyrellaceae) against three vector mosquitoes.	International Journal of Medicinal Mushrooms (Begell House)	21(7):725 – 734. Impact Factor: 1. 6
14.	Effect of Tiliamosine, a bis, benzyloquinoline	Experimental Parasitology (Elsevier)	204, 107719. Impact Factor: 1.8

	alkaloid isolated from <i>Tiliacora acuminata</i> (Lam.) Hook. f. & Thom on the immature stages of filarial mosquito <i>Culex quinquefasciatus</i> Say (Diptera: Culicidae).		
15.	Essential oils from plants: A review on eco-friendly mosquito repellents.	International Journal of Scientific Research in Biological Sciences.	6(4), 68-88.
16.	The down regulation of PTP1B expression and attenuation of disturbed glucose and lipid metabolism using <i>Borassus flabellifer</i> (L) fruit methanol extract in high fat diet and streptozotocin induced diabetic rats.	Saudi Journal of Biological Sciences. (Elsevier)	27, 433-440. Impact Factor: 4.052
17.	Mosquitocidal effects of monoterpene ester and its acetyl derivative from <i>Blumea mollis</i> (D. Don) against <i>Culex quinquefasciatus</i> (Diptera: Culicidae) and their insilico studies.	Experimental Parasitology (Elsevier)	2021. (Equal contribution) Impact Factor: 1.8
18.	Gene expression study of compound (DEHP) treated larvae isolated from the <i>Streptomyces rimosus</i> against the functional genes of <i>Culex quinquefasciatus</i> Say (Diptera: Culicidae).	Uttarpradesh journal of Zoology. (MB International media and Publishing House)	41 (10), 86-95
19.	Efficacy of <i>Acalypha fruticosa</i> (Euphorbiaceae) as mosquito ovicidal, larvicidal, and pupicidal agents against three vector mosquitoes <i>Aedes aegypti</i> L., <i>Culex</i>	Uttar pradesh journal of Zoology. (MB International media and Publishing House)	41 (3), 11-19.

	quinquefasciatus Asy, and Anopheles stephensi Liston, (Diptera: Culicidae).		
20.	Mosquito larvicidal activity Avacodo (Persea Americana Mill) unripe fruit peel methanolic extract against Aedes aegypti, Culex quinquefasciatus say and Anopheles stephensi.	South African journal of botany (Elsevier)	133, 1-4. Impact Factor: 3.1
21.	Effect of monoterpene ester from Blumea axillaris (Lam.) DC and its acetyl derivative against plant pathogenic fungi and their in silico molecular docking.	Natural Product Research. (Taylor & Francis)	Impact Factor: 1.8
22.	Effect of Begonia malabarica fraction on streptozotocin induced insulinitis and β -cell damage.	International Journal of Botany Studies.	6(5), 1213-1218
23.	Phytochemicals for mosquito larvicidal activity and their modes of action: A review.	South African Journal of Botany (Elsevier)	152, 19-49. Impact Factor: 3.1
24.	Biocontrol efficacy of apigenin isolated from Anisomeles indica (L.) Kuntze against immature stages of Culex quinquefasciatus (Say, 1823) and its in silico studies.	Biocatalysis and Agricultural Biotechnology (Elsevier)	102637. Impact Factor: 4.6
25.	Mushrooms (Basidiomycetes) as Source of Mosquito Control Agents.	Journal of Natural Pesticide Research (Elsevier)	100044.
26.	Effect of biofilm formation and cytotoxicity of biogenic silver nanoparticles (AgNPs) synthesized from a	Digest Journal of Nanomaterials & Biostructures (Scopus Indexed)	18(4). Impact Factor: 0.963

	medicinal plant <i>Sterculia foetida</i> L.		
27.	Mosquitocidal Susceptibility and Non-Target Effects of <i>Tricholoma equestre</i> (L.) P. Kumm. On the Immature Stages of <i>Aedes aegypti</i> (Linnaeus in Hasselquist), <i>Anopheles stephensi</i> Liston and <i>Culex quinquefasciatus</i> Say.	International Journal of Medicinal Mushrooms (Begell House)	26(3), 41-53. Impact Factor: 1.6
28.	Evaluation of mosquitocidal, histopathological and non-target effect of botanical pesticides from <i>Stemodia viscosa</i> and their mixtures against immature stages of <i>Aedes aegypti</i> , <i>Anopheles stephensi</i> and <i>Culex quinquefasciatus</i>	Biologia (Springer)	79, 1425–1437. Impact Factor: 1.7
29.	Chemical Composition and Mosquitocidal Properties of Essential Oil from Indian Indigenous Plants <i>Ocimum tenuiflorum</i> L. and <i>Ocimum americanum</i> L. against three vector mosquitoes.	Experimental Parasitology (Elsevier)	258, 108709. Impact Factor: 1.8
30.	Mosquitocidal, Histopathological alteration and non target effects of <i>Sigesbeckia orientalis</i> L. on <i>Anopheles stephensi</i> Liston, <i>Culex quinquefasciatus</i> Say and <i>Aedes aegypti</i> L.	Veterinary Parasitology: Regional Studies and Reports (Elsevier)	49, 100997. Impact Factor: 1.6
31.	Mosquitocidal susceptibility and non-target effects of	South African Journal of Botany (Elsevier)	152, 19-49. Impact Factor: 3.1

	essential oil from <i>Brassica nigra</i> W.D.J.Koch seeds on immature stages of <i>Aedes aegypti</i> L., <i>Anopheles stephensi</i> Liston and <i>Culex quinquefasciatus</i> Say.		
32.	Activity of Essential Oils From <i>Pentane</i> <i>indicum</i> (L.) Y. Ling and <i>Chromolaena odorata</i> (L.) R.M.King & H. Rob Against Three Mosquito Species	Entomological Research (Wiley)	55(2), 70016. Impact Factor: 1.3
33.	Activity of essential oil from <i>Stemodia viscosa</i> Roxb against immature stages of <i>Anopheles stephensi</i> Liston, <i>Aedes aegypti</i> L and <i>Culex quinquefasciatus</i> say (Diptera: Culicidae)	Arthropod-Plant Interactions (Springer)	19(1), 25. Impact Factor: 1.7
34.	Effectiveness of tumor-induced mesenchymal stem cells on cell growth and development in different cancer types in vitro and in vivo models	Archives of Medical Research (Elsevier)	56(5), 103212. Impact Factor: 3.6
35.	Phytochemical Constituents of Essential Oil from <i>Basilicum polystachyon</i> (L.) Moench with Larvicidal and Ovicidal Activities against Dengue, malaria and filarial vectors	South African Journal of Botany (Elsevier)	181, 505-511. Impact Factor: 3.1
36.	Chemical composition, insecticidal activity and non-target effects of <i>Sphagneticola trilobata</i> (L.) Pruski	Environmental Science and Pollution Research (Springer)	32(23), 13837-13846

	essential oil against immature stages (egg, larvae and pupae) of dengue, filariasis, malaria vectors and four natural predators.		
37.	Efficacy of essential oil from <i>Maranta arundinacea</i> L. against immature stages of dengue, filariasis, and malaria vectors and four mosquito predators.	Experimental Parasitology (Elsevier)	274, 108964. Impact Factor: 1.8
38.	Pulmonary Side Effects Associated With Abemaciclib the Antibreast Cancer Drug in Female Mice.	Journal of Applied Toxicology (Wiley)	46(4), 1314-1325. Impact Factor: 3.1
39.	Biological effects of essential oil from <i>Pulicaria wightiana</i> (DC.) CB Clarke against juvenile stages of three mosquito vectors and its toxicity to mosquito predators.	Journal of Vector Borne Diseases	Impact Factor: 1.4
40.	Mosquitocidal potential of ricinine from <i>Ricinus communis</i> : An integrative evaluation of larvicidal efficacy, histopathology, non-target toxicity, and in silico mechanism.	Biochemical Systematics and Ecology (Elsevier)	127, 105257. Impact Factor: 2.2
41.	Macroinvertebrate diversity as the bioindicators of freshwater ecosystem health: deterioration in physicochemical water quality parameters.	Environmental Science and Pollution Research (Springer)	1-19.

Workshops/internships/seminar/conference/symposium/refreshment course participated

1. Three Days Works Shop on Regenerative Medicine: The Future Crux of the Health Sector (27th -29, June 2013)

2. 3rd National Conference on Lymphatic Filariasis: Elimination 2015-Mission Possible (5th and 6th June 2015)
3. Training Program on Simple Chemicals and Applied Products (15th -19th June 2015)
4. Poster Presentation on Medicinal Plants and Herbal Drugs in Human And Livestock Wealth A Global Prospective (29th -31 January 2016).
5. Regional Workshop on Heavy Metals Analysis Using Atomic Absorption Spectrophotometer. (26th October 2016)
6. National Workshop on Innovation in Water Resources Management in Educational Institutions (24, 25th November 2016)
7. DST-SERB and ICMR Sponsored 5th National Conference on Emerging Trends and New Challenges in Biotechnology-Advances in Free Radicals and Antioxidants (2nd and 3rd, February 2017)
8. Training Program- Analysis by Gas Chromatography (27th -31, March 2017)
9. Symposium on Chemistry and Biology Interface (August 11, 2018)
10. Paper Presented on Insects and Their Environment Friendly Management 1st and 2nd, February 2018)
11. Bee Keeping for Sustainable Income (29th September 2018)
12. National Symposium on Natural Products for Human Health (February 7th and 8th, 2019)
13. National Seminar on Innovations and Solid Waste and Waste Water Management in Educational Institutions-2019
14. National symposium on Insect Diversity and Conservation-2020
15. Sixth National conference on Siddha Medicine for All ages (19th-20th March, 2022)

GENE BANK SUBMISSION NCBI USA

1. **Ganesan, P.**, Saravana Kumar, P., Host Antony David, R., Kinsalin, V.A., Rajiv Gandhi, M., Daniel Reegan, A., Darwin. S., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces galbus* strain DPS-3 Genbank Accession No. KT827083

2. **Ganesan, P.,** Saravana Kumar, P., Host Antony David, R., Kinsalin, V.A., Rajiv Gandhi, M., Daniel Reegan, A., Darwin. S., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces vinaceusdrappus* strain DPS-132 Genbank Accession No. KT827084
3. **Ganesan, P.,** Saravana Kumar, P., Host Antony David, R., Kinsalin, V.A., Rajiv Gandhi, M., Daniel Reegan, A., Darwin. S., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain DPS-113 Genbank Accession No. KT827085
4. **Ganesan, P.,** Saravana Kumar, P., Host Antony David, R., Kinsalin, V.A., Rajiv Gandhi, M., Daniel Reegan, A., Darwin. S., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Ochrobactrum pseudogrignonense* strain DPS-103 Genbank Accession No. KT827086
5. **Ganesan, P.,** Saravana Kumar, P., Host Antony David, R., Kinsalin, V.A., Rajiv Gandhi, M., Daniel Reegan, A., Darwin. S., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain DPS-119 Genbank Accession No. KT827087
6. **Ganesan, P.,** Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces vinaceusdrappus* strain S12-4 Genbank Accession No. KT827088
7. **Ganesan, P.,** Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain DPS-70 Genbank Accession No. KT827089
8. **Ganesan, P.,** Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain DPS-9 Genbank Accession No. KT827090
9. **Ganesan, P.,** Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces enissocaesilis* strain S12-3 Genbank Accession No. KT827091

10. **Ganesan, P.**, Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain DPS-8 Genbank Accession No. KT827092
11. **Ganesan, P.**, Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces rochei* strain KTS-35 Genbank Accession No. KT827093
12. **Ganesan, P.**, Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain S12-18 Genbank Accession No. KT827094
13. **Ganesan, P.**, Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces geysiriensis* strain S12-5 Genbank Accession No. KT827095
14. **Ganesan, P.**, Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces vinaceusdrappus* strain TGH-31-1 Genbank Accession No. KT827096
15. **Ganesan, P.**, Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain DPS-98 Genbank Accession No. KT827097
16. **Ganesan, P.**, Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain ERS-22 Genbank Accession No. KT827098
17. **Ganesan, P.**, Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces tendae* strain ERS-23 Genbank Accession No. KT827099

18. **Ganesan, P.,** Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces vinaceusdrappus* strain S12-7 Genbank Accession No. KT8270100
19. **Ganesan, P.,** Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces ghanaensis* strain KFS-24 Genbank Accession No. KT8270101
20. **Ganesan, P.,** Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain DPS-114 Genbank Accession No. KT8270102
21. **Ganesan, P.,** Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces plicatus* strain DPS-14 Genbank Accession No. KT8270103
22. **Ganesan, P.,** Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces enissocaesilis* pus strain S12-8 Genbank Accession No. KT8270104
23. **Ganesan, P.,** Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces enissocaesilis* strain S12-17 Genbank Accession No. KT8270105
24. **Ganesan, P.,** Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces rimosus* strain FMS-20 Genbank Accession No. KT8270106
25. **Ganesan, P.,** Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces rochei* strain DPS-122 Genbank Accession No. KT8270107.

26. Jackson, A., Sivanandhan, S., **Ganesan, P.**, Host Antony David, R., Saravana Kumar, P., Kinsalin, V.A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces rochei* strain VC34 Genbank Accession No. KT827076
27. Jackson, A., Sivanandhan, S., **Ganesan, P.**, Host Antony David, R., Saravana Kumar, P., Kinsalin, V.A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces geysiriensis* strain VC148 Genbank Accession No. KT827077
28. Jackson, A., **Ganesan, P.**, Host Antony David, R., Saravana Kumar, P., Kinsalin, V.A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces enissocaesilis* strain VC83 Genbank Accession No. KT827078
29. Jackson, A., **Ganesan, P.**, Host Antony David, R., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces vinaceusdrappus* strain VC83 Genbank Accession No. KT827079
30. Jackson, A., **Ganesan, P.**, Host Antony David, R., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces leuwenhoekii* strain VC160 Genbank Accession No. KT827080
31. Jackson, A., **Ganesan, P.**, Host Antony David, R., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces plicatus* strain VC27 Genbank Accession No. KT827081
32. Jackson, A., **Ganesan, P.**, Host Antony David, R., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Amycolatopsis rifamycinica* strain VC183 Genbank Accession No. KT827082
33. **Ganesan, P.**, Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024. *Streptomyces roseoverticillatus* strain XRF1 Genbank Accession No. PQ242728
34. **Ganesan, P.**, Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024. *Streptomyces misionensis* strain XRF5 Genbank Accession No. PQ242729

35. **Ganesan, P.,** Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Nocardia nova strain XRF10 Genbank Accession No. PQ242730
36. **Ganesan, P.,** Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces griseoincarnatus strain XRF15 Genbank Accession No. PQ242731
37. **Ganesan, P.,** Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces griseoincarnatus strain XRF20 Genbank Accession No. PQ242732
38. **Ganesan, P.,** Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces alboniger strain XRF110 Genbank Accession No. PQ242733
39. **Ganesan, P.,** Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces fimbriatus strain XRF125 Genbank Accession No. PQ242734
40. **Ganesan, P.,** Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces kebangsaanensis strain XRF130 Genbank Accession No. PQ242735
41. **Ganesan, P.,** Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces bungoensis strain XRF135 Genbank Accession No. PQ242736
42. **Ganesan, P.,** Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces antibioticalis strain XRF145 Genbank Accession No. PQ242737
43. **Ganesan, P.,** Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces corchorusii strain XRF150 Genbank Accession No. PQ242738
44. **Ganesan, P.,** Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces albospinus strain XRF155 Genbank Accession No. PQ242739
45. **Ganesan, P.,** Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces rochei strain ICMRX10 Genbank Accession No. PQ242740
46. **Ganesan, P.,** Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces alboniger strain ICMRX22 Genbank Accession No. PQ242741
47. **Ganesan, P.,** Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces alboniger strain ICMRX26 Genbank Accession No. PQ242742

48. **Ganesan, P.**, Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Paenibacillus chitinolyticus strain ICMRX28 Genbank Accession No. PQ242743
49. **Ganesan, P.**, Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces malaysiense strain ICMRX30 Genbank Accession No. PQ242744
50. **Ganesan, P.**, Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces bungoensis strain ICMRX34 Genbank Accession No. PQ242745
51. **Ganesan, P.**, Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces deserti strain ICMRX36 Genbank Accession No. PQ242746
52. **Ganesan, P.**, Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces atrovirens strain IDRCB312 Genbank Accession No. PQ242747
53. **Ganesan, P.**, Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces fragilis strain IDRCB315 Genbank Accession No. PQ242748
54. **Ganesan, P.**, Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces neopectini strain IDRCB320 Genbank Accession No. PQ242749
55. **Ganesan, P.**, Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces alboniger strain IDRCB325 Genbank Accession No. PQ242750
56. **Ganesan, P.**, Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces angustmyceticus strain IDRCB340 Genbank Accession No. PQ242751
57. **Ganesan, P.**, Selvakumaran, J., Ignacimuthu, S., Stephen, J. and Madhan, P. 2024.
Streptomyces angustmyceticus strain IDRCB345 Genbank Accession No. PQ242752
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