

ALAGAPPA UNIVERSITY IPR CELL

LIST OF IPs filed by Alagappa University Faculty Members

(as of 05 Nov 2024)

S. No	Title of the Patent	Applicant/ Assignee	Name of the Inventors with Affiliation	Application No	Filed Date	Published Date	Patent Number	Granted Date
1	Facemask Material with improved Bacterial Filtration Efficiency	S.Ravikumar	H. Gurumallesh Prabhu,S.Ananda Babu,S.Ravikumar	2196/CHE/2013	20.05.2013	28-11-2014	-	-
2	Bioinspired Metal Oxide Nanopowders for Biomedical Applications	M. Sundrarajan, Hong Sun Lg,J. Suresh, R. Yuvakumar, R. Rajiv Gandhi	M. Sundrarajan,Hong Sun Lg,J. Suresh, R. Yuvakumar,R. Rajiv Gandhi	3557/CHE/2014	20.07.2014	01-07-2016	-	-
3	Method for Manufacturing ZnO Nanopowder and Zn Nanopowder Manufactured by the method	Hong Sun Lg	Hong Sun Lg,J. Suresh,R. Yuvakumar,J. Nathanael,M. Sundrarajan	10-2015-0002746	08.01.2015	-	101617994-Korean Patent	04.05.2016
4	Method for Manufacturing ZnO Nanopowder and Zn Nanopowder Manufactured by the method	Hong Sun Lg	Hong Sun Lg,J. Suresh,R. Yuvakumar,J. Nathanael,M. Sundrarajan	10-2015-0002746	08.01.2015		Korean Patent 101617994	04.05.2016
5	A composition comprising of curcuma aromatica oil, and undecanoic acid and uses thereof	ITC Limited	Sivasankar C, Pandian SK , Gayathri S and Bhaskar JP	1732/CHE/2015	31.03.2015	07.10.2016	-	-
6	A composition comprising of embelin, and at least one anti-fungal agent and uses thereof	ITC Limited	Sivasankar C, Pandian SK , Gayathri S and Bhaskar JP	1734/CHE/2015	31.03.2015	07.10.2016	387232	28.01.2022
7	Personal care compositions for Anti-aging	ITC Limited	Prasanth MI, Balamurugan K, Pandian SK, Gayathri S and Bhaskar JP	676/KOL/2015	18.06.2015	20.10.2017	337898	03.06.2020
8	Personal care compositions for Anti-aging	ITC Limited	Prasanth MI, Balamurugan K, Pandian SK, Gayathri S and Bhaskar JP	679/KOL/2015	18.06.2015	20.10.2017	-	-
9	Personal care compositions for Anti-aging	ITC Limited	Prasanth MI, Balamurugan K, Pandian SK, Gayathri S and Bhaskar JP	766/KOL/2015	15.07.2015	13.10.2017	-	-

10	Personal care compositions for Anti-aging	ITC Limited	Prasanth MI, Balamurugan K, Pandian SK, Gayathri S and Bhaskar JP	779/KOL/2015	17.07.2015	13.10.2017	464896	01.11.2023
11	An anti-acne synergistic composition and process thereof	Alagappa University	Sivasankar C, Pandian SK and Balamurugan K	,201641010057	22.03.2016	29.09.2017	381269	03.11.21
12	A System for growing unidirectional organic single crystal compound and method thereof	K. Sankaranarayanan	K. Sankaranarayanan	201641011210	30.03.2016	-	379274	13.10.2021
13	A formulation comprising phytochemicals and applications thereof	Alagappa University	Muthamil S, Sivasankar C and Pandian SK	,201741011854	31.03.2017	05.10.2018	504374	29.01.2024
14	A composition comprising phytochemicals and preparation process thereof	Alagappa University	Swetha TK, Sivasankar C and Pandian SK	201741011855,	31.03.2017	05.10.2018	455506	28.09.2023
15	An antibacterial composition and implementations thereof	ITC Limited	Swetha TK, Pandian SK , Sivasankar C, Balamurugan K, Veera Ravi A, Bhaskar JP, Venkateswaran K, Deepa M, Das SS	,201831008480	07.03.2018	13.09.2019	410864	04-11-2022
16	A composition comprising phytochemicals and applications thereof	ITC Limited	Swetha TK, Pandian SK , Sivasankar C, Balamurugan K, Veera Ravi A, Bhaskar JP, Venkateswaran K, Deepa M, Das SS	,201831008481	07.03.2018	13.09.2019;	411150	10.11.2022
17	A composition comprising phytochemicals and applications thereof	ITC Limited	Swetha TK, Pandian SK , Sivasankar C, Balamurugan K, Veera Ravi A, Bhaskar JP, Venkateswaran K, Deepa M, Das SS	,201831008482	07.03.2018	13.09.2019	-	-
18	Antibacterial composition and uses thereof	ITC Limited	Swetha TK, Pandian SK , Sivasankar C, Balamurugan K, Veera Ravi A, Bhaskar JP, Venkateswaran K, Deepa M, Das SS	,201831008483	07.03.2018	13.09.2019	-	-
19	Phytochemical formulations against Early Mortality Syndrome (EMS)	Tablets (india) Limited	Ravi AV , Santhakumari S, Durgadevi R, Alexpandi R and Pandian SK	201841010325	21.03.2018	27.09.2019	345407	28.08.2020

20	Phytochemical formulations against Early Mortality Syndrome (EMS)	Tablets (india) Limited	Ravi AV, Santhakumari S, Durgadevi R, Alexpandi R and Pandian SK	201841010346	21.03.2018	27.09.2019	457480	09.10.2023
21	Composition exhibiting Antibiofilm and Antihyphal activity	Alagappa University	Prasath GK, Pandian SK	201941007130	22.02.2019	28.08.2020	-	-
22	IoT based Integrated Device and System for Health Analysis	Sitanath biswas, Sujata dash, Bindu agarwalla, Sujit kumar panda, Bhupesh deka, P. Eswaran	Swetha Acharya, Rabi Narayan Behera, Saroj Kumar Rout, Nikhat Parveen, A. Muthumari, Trilok Nath Pandey, S. Sagar Imambi, P. Viduyullatha, Anusha Marouthu	201931039857	02.10.2019	08.11.19	-	-
23	Design of Real Time Smart Health Care System Through Data Mining and IoT	Dr. Dinesh Kumar, Dr. P. Eswaran, Dr. D. Daniel, Dr. Satyadhyan Chickerur	Abhisek Sethy, Padmanaban, Sunandha, K. Sangeetha, P. Nageswara Reddy, Y. N. Vijaya Kumar, G. S. Sathesh Kumar, Pendiya V. Muralidhar, Gunthu Nooka Raju, Tumuluru Praveen, Burra Lakshmi Ramani, V. Deepak	201941041826	16.10.2019	-	-	-
24	Experimental Analysis of a Solar Cooker with a POarabolic Trough Enhanced with PCM based Thermal Storage	Babu sasi kumar, V. Nisha jenipher, A. Nageswaran, S. Arun, Siva shankar, P. Samyuktha, Mahesh reddy, T. Pavan kumar, Richard	V. Saravanan, P. Eswaran, L. Natrayan, Sugunakar Mamidala, M. Ramarao, S. Peniel Pauldoss, B. Lingam, A. Mounika Reddy	201941044051	31.10.2019	22-11-2019	518335	01.03.2024
25	Phytochemicals exhibiting Antibiofilm activity	Alagappa University	Prasath GK, Pandian SK	202041002711	23.01.2020	23-07-2021	436067	30.06.2023
26	Anti-biofilm composition of phytochemicals	Alagappa University	Valliammai A, Pandian SK	20204100271	23.01.2020	23-07-2021	-	-
27	Raspberry Pi Based Elderly Fall Detection System For Elderly People Using IoT and Big Data	Dr. S. Santhosh Kumar, Mrs. A. Sumathi, Dr. S. Meganathan, Dr. C. Balakrishnan,	S. Santhosh Kumar	202041009944	13.03.20	13/03/2020	-	-

		Dr.S.Gavaskar, Mr. Velmurugan Subbiah Parvathy, Mr s.K. Jose Reena, Mrs. S. Belina V.J.Sara, Dr. N. Krishnaraj						
28	Anti-biofilm composition of phytochemicals and implementations thereof	Alagappa University	Valliammai A, Pandian SK	202041017519	23.04.2020	29-10-2021	539975	29.05.2024
29	Anti-biofilm formulation and method of its preparation and application thereof	Alagappa University	Valliammai A, Pandian SK	202041029479	10-07-2020	14-01-2022	499602	16.01.2024
30	Electrochemical detection of para-aminohippuric acid and uric acid biomarkers	Alagappa University	Chinnathambi Sekar, Solomn Anitta, Nehru Lavanya	202041045571	19-10-2020	22-04-2022	453570	21-09-2023
31	Antibiofilm and antihyphal composition comprising phytochemicals	Alagappa University	Priya A, Pandian SK	202041045963	21.10.2020	22-04-2022	518018	01.03.2024
32	Anti-biofilm composition and implementations thereof	Alagappa University	Selvaraj Aand Pandian SK	202041048910	09.11.2020	13-05-2022	472781	24.11.2023
33	Electrochemical sensor for detection of biomolecules	Alagappa University	Chinnathambi Sekar , Ganesan Veerapandi, Nehru Lavanya	202041050283	18-11-2020	20-05-2022	456482	04-10-2023
34	Phytochemical composition exhibiting anti-biofilm and anti-hyphal activity	Alagappa University	Priya A, Pandian SK	202041055881	22.12.2020	14-01-2022	453930	22.09.2023
35	An improved quaternary chalcogenide Cu ₂ NiSnS ₄ material and a method of manufacture thereof	R. Yuvakumar, G. Ravi, M. Isacfranklin, S.I. Hong, Foo Shini, M. Thambidurai, Cuong Dang, Dhayalan Velauthapillai	R. Yuvakumar, G. Ravi, M. Isacfranklin, S. I. Hong, Foo Shini, M. Thambidurai, Cuong Dang, Dhayalan Velauthapillai	202041055941	23.12.2020		389221	14.02.2022
36	Internet of things constituted consumer centric Pharmaceutical cold-chain management system and preservation methods thereof	Dr. C. Balakrishnan, Dr. G. Ilankumaran, Mr. M. Angappan, Mr. R. Hemant Kumar, Dr. S. Santhosh	S. Santhosh Kumar	202141001101	11.01.2021	15-01-2021		

		Kumar,Ms. A. Sumathi,Dr. M. Nandhini,Mr. A. Thasil Mohamed, Mr.J.Arumi Ruban						
37	A heter manufacture ostructure (SmCoO3/rGO) material and a method of thereof	R. Yuvakumar, G. Ravi, M. Isacfranklin, S.I. Hong, Dhayalan Velauthapillai	R. Yuvakumar, G. Ravi, M. Isacfranklin, S.I. Hong, Dhayalan Velauthapillai	202141008342	27.02.2021	02-09-2022	505881	31.01.2024
38	Phytochemical-based cleaning composition and applications thereof	Alagappa University	Kasthuri T, Swetha TK and Pandian SK	202141010992	15.03.2021	30-09-2022	464747	01.11.2023
39	An improved electrode with superior supercapacitive performances and a method of manufacture thereof	R. Yuvakumar, G. Ravi, M. Isacfranklin, S.I. Hong,	R. Yuvakumar, G. Ravi, M. Isacfranklin, S.I. Hong, Dhayalan Velauthapillai	202141013142	25.03.2021	30-09-2022	465869	06-11-2023
40	Hydrogen Free Method of Growing Carbon Nanorods	R. Yuvakumar, G. Ravi, M. Isacfranklin, P.Senthilkumar, V.Thirumal, Dhayalan Velauthapillai	R. Yuvakumar, G. Ravi, M. Isacfranklin, P. Senthilkumar, V.Thirumal, Dhayalan Velauthapillai	202141018296&	02.04.2021	21-10-2022	429753	24.04.2023
41	Phytochemical-oral composition, method of preparing the same and applications thereof	Alagappa University	Priya A, Pandian SK	202141019569	28.04.2021	02-12-2022		
42	Synergistic antibiofilm combination of phytochemicals and implementation thereof	Alagappa University	Priya A, Malligarjunan N, Muthamil S and Pandian SK	202141023944	28.05.2021	16-12-2022	505853	31.01.2024
43	Hydrothermal method for preparing copper doped-zinc oxide/reduced graphene oxide (cu-zno/rGO) nanocomposite"	S.Ananda Babu	H. Gurumallesh Prabhu, S.Ananda Babu, S.Ravikumar, Rajeswari Rakkappan, Kaviitha Alagappan, Gurumallesh Prabhu Halliah, Ananda Babu Sairam	202141027599	21.06.2021	02.07.2021	483641	15-12-2023
44	IoT Based Smart Dustbin	Geetha, P. DR; Jenopaul, P. DR; Kumar, K. Kranthi; Kumar, S.	A. Senthilrajan	2021103608	24.06.2021		Australian patent 16.12.2022	

		Santhosh DR; Majumder, Koushik DR; Pukkunnen, Emmanuel Babu; Ramaraj, E. DR; Rani, R. Suneetha DR; Senthilrajan, A. DR; Singh, Kartar DR						
45	IoT based smart dustbin	Geetha, P. DR; Jenopaul, P. DR; Kumar, K. Kranthi; Kumar, S. Santhosh DR; Majumder, Koushik DR; Pukkunnen, Emmanuel Babu; Ramaraj, E. DR; Rani, R. Suneetha DR; Senthilrajan, A. DR; Singh, Kartar DR	E.Ramaraj,S. Santhosh Kumar	2021103608	24.6.21/29.7.21		Australian patent 16.12.2022	
46	An Electro Chemically active material and implementation thereof	P. Shakkthivel	P. Shakkthivel , A.Srinivasan	202141033581	26-07-2021	03-02-2023	548226	21.08.2024
47	Anti-biofilm composition and method of preparation thereof	Alagappa University	Jothi R, Gowrishankar S , Prasath KG and Pandian SK	202141026689	28.07.2021	03-02-2023	-	-
48	CaCu ₂ O ₃ based electrode and implementations thereof	Alagappa University	Ganesan Veerapandi, Chinnathambi Sekar	202141036180	10.08.2021	09-02-2024	-	-
49	The System AND Method of Artificial Intelligence and Image Processing Approaches in Damage Assessment	A.Senthilrajan	Anurag Shrivastava, K haja Mannanuddin, Murali Krishna, Lakshmi Viveka Kesanapalli, Lakshmi, Ayyagari Srinagesh, Cherukuri Naresh, Pulicherla Siva Prasad, Paladugu Rama Krishna, Saurav	L-106788/2021	24.08.2021	-	Awarded	-

			Samantha,Dilip .R,Tulala Rajasanthosh Kumar					
50	A method of preparing 3d si@mxene/graphene crumbled spherical nanocomposites	R. Yuvakkumar,G. Ravi,V. Thirumal,SP Keerthana,Dhayalan Velauthapillai	R. Yuvakkumar ,G. Ravi,V. Thirumal,SP Keerthana,Dhayalan Velauthapillai	202141042818	22.09.2021	25.05.2022	447802	28.08.2023
51	A Method Of Preparing Mxene Nanosheets	Alagappa University	Yuvakkumar , R., Ravi, G., V. Thirumal, SP Keerthana, and Dhayalan Velauthapillai	202141042819	22-09-2021	-	406697	15-09-2022
52	A Process for Extraction of Copper Oxide NANoparticles using Green Synthesis	A.Aswini	A. Sivaranjani,R. Subashkumar, P.Boomi,S. Santhosh Baboo,B.L.Shivakumar,A.Aswini,J.Jeyakanthan,H. Gurumallesh Prabhu,P.Sagadevan	202141046236	11.10.2021	19-11-2021	-	-
53	An Electronic device to control and supervision of electrical components	Mr.Mamidala Vijay Karthik, Mr.Ajay Kumar,Mr. K.Kranthi Kumar,Mr. Arvind Kumar Namdev5 . Ms.D.Venkata Lakshmi,Mr .P.Arulkumar,Er. Yogen dra Kumar, Dr.E.Ramaraj,Mr.K.Kranthi kumar, Dr.Allam Joseph Praveen Kumar	E.Ramaraj	202141059854	22.12.21	28-01-2022	-	-
54	Intelligent street lamps in smart cities based on the internet of things	E.Ramaraj	E.Ramaraj	202241000054	01.01.2022	04-02-2022	-	-
55	Gas sensing device and implementation thereof	K. Gurunathan	K. Gurunathan	202241000399	04.01.2022	07-07-2023	-	-
56	Cement supported conductive salts composited protein exchange membrane for a microbial fuel cell	Alagappa University	Ravi Ganesan, Arun Alagarsamy ,Abubakkar siddik Yuvakkumar Rathinam	202341081243	30.11.2023	05-01-2024	-	-

57	Phytochemical-based antibacterial composition and applications thereof	Alagappa University	Abirami G, Ravi AV , A lexpandi R, Roshni PS, and Pandian SK	202241007803	14.02.2022	18-08-2023	-	-
58	A composition for aquaculture, process for preparing the composition and implementations thereof	Alagappa University	Alexpandi R ,Ravi AV , Abirami G, Roshni PS, and Pandian SK	202241007807	14.02.2022	18-08-2023	-	-
59	Anti-bacterial composition, process for preparing and implementation thereof	Alagappa University	Sangavi R,Jothi R, Gowrishankar S and Pandian SK	202241011110	01.03.2022	01-09-2023	-	-
60	Combinatorial approach of potential actives with antibiofilm and antihyphal effectuality against Candida albicans	Alagappa University	Sushmitha TJ, Rajeev M, Hari Prasath N and Pandian SK	202241011345	02.03.2022	08-09-2023	-	-
61	Composition Exhibiting Anti-Cancer Activity, And Implementations Thereof	Alagappa University	Kiruthiga C, Devi KP	202141052384	15.09.2021	19-05-2023	551982	07.10.2024
62	Composition exhibiting anti-cancer activity, and implementations thereof	Alagappa University	Kiruthiga C,Jaya Balan D, Devi KP	202241011678	03.03.2022	08-09-2023	-	-
63	Synergistic combination of natural compounds against non- small cell Lung cancer	Alagappa University	Kiruthiga C, Devi KP	202241011109	01.03.2022	01-09-2023	-	-
64	Phytochemical-based antibiofilm composition and applications thereof	Alagappa University	Roshni Prithviraj SWASTHIKK A; Veera Ravi ARUMUGAM ; Alexpandi RAJAIAH; Abirami GURUSAMY and Karutha Pandian SHUNMUGI AH	202241011677	03.03.2022	08-09-2023	-	-
65	Antibiofilm composition of phytochemicals and Application thereof	Alagappa University	Kasthuri Thirupathi, Pandian SK , Hari Prasath N, Swetha TK, Beema Shafreen R and Alagu Lakshmi S	202241054402	25.05.2022	29.03.2024	-	-
66	Synergistic antibiofilm combination of phytochemicals and uses thereof	Alagappa University	Kasthuri T, Pandian SK , Hari Prasath N, Beema Shafreen R, Alagu Lakshmi S	202241054406	25.05.2022	29.03.2024	-	-

			and Swetha TK					
67	Phytochemicals with anti-virulence properties and application thereof	Alagappa University	Kasthuri T, Pandian SK , Hari Prasath N, Beema Shafreen R, Alagu Lakshmi S and Swetha TK	202241054403	25.05.2022	29.03.2024	-	-
68	A composition comprising phytochemicals and uses thereof	Alagappa University	Kasthuri T, Pandian SK , Hari Prasath N, Beema Shafreen R, Alagu Lakshmi S and Swetha TK	202241054405	22-09-2022	29.03.2024	-	-
69	Synergistic activity of chlorine containing oral inorganic drugs against <i>Streptococcus mutans</i> and formulation thereof	Alagappa University	Hari Prasath N, Karthikeyan K, Priya A, Kasthuri T, Sushmitha TJ and Pandian SK	202241054404	22.09.2022	-	-	-
70	Antimicrobial composition, process for preparing the composition, and implementations thereof	Alagappa University	Hari Prasath N, Priya A, Kasthuri T, Sushmitha TJ and Pandian SK	202241011546	03.03.2022	08.09.2023	-	-
71	A supplement composition	Alagappa University	Muthubharthi B. C. and Balamurugan K.	202341021221	24.03.2023	27-09-2024	-	-
72	A composition for Anti-aging and Process for the Preparation of the Composition thereof	Alagappa University	Muthubharthi B. C. and Balamurugan K	202341021222	24.03.2023	27-09-2024	-	-
73	An age defying composition	Alagappa University	Muthubharthi B. C. and Balamurugan K.	202341021223	24.03.2023	27-09-2024	-	-
74	A nutritional composition and implementations thereof	Alagappa University	Muthubharthi B. C., Mounish B.S.C. and Balamurugan K	202341021224	24.03.2023	27-09-2024	-	-
75	An anti-aging composition	Alagappa University	Muthubharthi B. C., Mounish B.S.C., Subalakshmi K. P and Balamurugan K	202341021225	24.03.2023	27-09-2024	-	-
76	Bioinspired Metal Oxide Nanopowders for Biomedical Applications	M. Sundrarajan, Hong Sun Lg,J. Suresh,R. Rajiv Gandhi	M. Sundrarajan , Hong Sun Lg,J. Suresh,R. Rajiv Gandhi	3557/CHE/2014	-	01/07/2016	-	-

77	Method for Manufacturing ZnO Nanopowder and ZnO Nanopowder Manufactured by the method	Hong Sun Lg	Hong Sun Lg, J. Suresh, R. Yuvakumar , J. Nathanael, M. Sundrarajan	10-2015-0002746	08.01.2015	-	Korean Patent 101617994	04.05.2016
78	A hybrid system for continuous production of hydrogen from wastewater	Alagappa University	Ravi Ganesan , Arun Alagarsamy, Yuvakkumar Rathinam, V. Swaminathan, S. Subramanian	202441039363	20.05.2024	24.05.2024	-	-