

Department of Chemistry

Publication Details- 2015-2021

Papers published in International and National Journals

S.No	Authors	Title of the paper	Name of the Journal	Year	Volume/Issue	Page	ISSN or ISBN
1	R. Shilpa and R. Saratha	An Evaluation of solid-state electrolyte based on Pectin and lithium bis (trifluoro methane sulphonyl) imide for Lithium-ion batteries	Materials Today Proceedings	2021	doi.org/10.1016/j.matpr.2020.12.557		2214-7853
2	Akhila C, Lalitha P, S. C. Sharma & B. E. Kumaraswamy	FT-IR fingerprinting as an Analytical tool for determination of Melamine leaching from Melamine tablewares and their Biological implications	Journal of Food Science and Technology	2021	Vol :58	855–861	0975-8402
3	R.Vasanthajothi, R.Saratha & K. Krishnaveni	Mild steel green inhibition by <i>Hardwickia binata</i> Roxb. leaves extract in acid medium	Journal of Adhesion Science and Technology	2021	Vol :35 Issue:3	296-312	0169-4243
4	Shanmuga Priya M., Divya P., Rajalakshmi R.	A review status on characterization and electrochemical behaviour of biomass derived carbon materials for energy storage supercapacitors	Sustainable Chemistry and Pharmacy	2020	Vol :16	100243	2352-5541
5	Sasidharan S., Pottail L.	Anti-bacterial and skin-cancer activity of AuNP, rGO and AuNP-rGO composite using <i>Hemigraphis alternata</i> (Burm.F.) T. Anderson	Biocatalysis and Agricultural Biotechnology	2020	Vol :25	101596	1878-8181
6	Yogananda H.S., Darshan G.P., Sharma S.C., Premkumar H.B., Kavyashree D., Lalitha P.,	Colour quality parameters and enhanced white light emanation via solution combustion derived MoO ₃ :Dy ³⁺ micro-architectures: Fluorescent probe for sensitive visualization of latent fingerprints	Optical Materials	2020	Vol :105	109817	0925-3467

	Nagabhushana H.						
7	Santhiya S., Lalitha P.	Evaluation of cell viability of gold nanoparticle-reduced graphene oxide composite on mcf-7 cell lines	Indian Journal of Biochemistry and Biophysics	2020	Vol :57 Issue:4	401-410	0975-0959
8	Hepziba Magie Jessima S.J., Rakesh B.G., Muthappa M., Subhashini S.	Evaluation of lime juice as potential green corrosion inhibitor using gravimetric and electrochemical studies	Asian Journal of Chemistry	2020	Vol :32 Issue:8	2055-2060	0975-427X
9	Sharulatha V, Abinaya A and Rajeswari M	Synthesis, characterization and molecular docking of N-aryl amides of pyrido[1,2-a]pyrimidin- 2-ones as potential antibacterial agents	J. Indian Chem. Soc.,	2020	Vol :97 Issue:9b	1584-1589	0019-4522
10	Abinaya A and Sharulatha V	A Convenient Reduction of Pyrido[1,2]A Pyrimidin-Acetic Acid Using The NaBH ₄ /I ₂ system	Heterocyclic Letters	2020	Vol :10	589-593	2230-9632
11	Smina C.S., Lalitha P., Nagabhushana H., Sharma S.C.	Terminalia bellirica dried fruit and seed extract offers alpha-amylase inhibitory potential in tackling diabetes	Applied Nano science (Switzerland)	2020	Vol :10	4325–4339	2190-5517
12	Rajashekharaiyah A.S., Vidya Y.S., Anantharaju K.S., Darshan G.P., Lalitha P., Sharma S.C., Nagabhushana H.	Photoluminescence, thermoluminescence and photocatalytic studies of sonochemical synthesis of Bi ²⁺ Zr ²⁺ O ₇ :Sm ³⁺ nanomaterials	Journal of Materials Science: Materials in Electronics	2020	Issue:18	15627–15643	0957-4522
13	Abirami M., Saratha R., Shilpa R., Vinitha B.	Preparation and characterization of Guar gum-based solid biopolymer electrolyte doped with lithium bis(trifluoro methane sulphonyl)imide (LiTFSI) plasticized with glycerol	Bulletin of Materials Science	2020	Vol :43	254	0250-4707
14	Jessima S.J.H.M., Berisha A., Srikandan S.S., Subhashini S.	Preparation, characterization, and evaluation of corrosion inhibition efficiency of sodium lauryl sulfate modified chitosan for mild steel in the acid pickling process	Journal of Molecular Liquids	2020	Vol :320 Issue: Part A	114382	0167-7322
15	Jessima S.J.H.M.,	<i>Sunova spirulina</i> Powder as an Effective	Journal of Bio- and Tribo-	2020	Vol :6	71	2198-

	Subhashini S., Arulraj J.	Environmentally Friendly Corrosion Inhibitor for Mild Steel in Acid Medium	Corrosion				4220
16	P. Lalitha, Firdhouse, M.	Facile synthesis of anisotropic gold nanoparticles and its synergistic effect on Breast cancer cell lines	IET Nanobiotechnology	2020	Vol :14 Issue:3		1751-8741
17	P. R. Bharathi, Shubashini. K. Sripathi and A. N. Lakshmi	<i>Jasminum grandiflorum</i> linn. – an update review	International Journal of Pharmaceutical Sciences and Research	2020	Vol :11 Issue:5	1994-2010	0975-8232
18	R. Shilpa, A.N. Fahmitha Fathima, M.Abirami, B.Vinitha and R.Saratha	Lithium Based Electrolytes in Electrochemical Energy Storage Device- A Review	Journal of Materials and Environmental Science	2020	Vol :11 Issue:1	109-122	2028-2508
19	P. Divya , R. Rajalakshmi	Renewable low cost green functional mesoporous electrodes from <i>Solanum lycopersicum</i> leaves for supercapacitors	Journal of Energy Storage	2020	Vol :27	1-11	2352-152X
20	A.S. Rajashekharaiyah G.P. Darshan , H.B. Premkumar , P. Lalitha, S.C. Sharma , H. Nagabhushana	Hierarchical Bi ₂ Zr ₂ O ₇ :Dy ³⁺ architectures fabricated by bio-surfactant assisted hydrothermal route for anti-oxidant, anti-bacterial and anti-cancer activities	Materials Chemistry and Physics	2020	https://doi.org/10.1016/j.matchemphys.2019.122468	122468	0254-0584
21	Senthil Vadivu.D. and Saratha.R	Corrosion Inhibition using plant extracts for mild steel in Hydrochloric acid and Sulphuric acid medium-SEM and EDS studies	Research Highlights	2020 April	Vol :30 Issue:2		2231-2374
22	M. GOWRI	2,2'-disulfanediyl dianiline	CCDC 838284: Experimental Crystal Structure Determination, 2019, DOI: 10.5517/ccdc.csd.ccx49fr, CSD Communication, 2019	2019		0	2631-9888
23	M. Gowri, C. Jayabalakrishnan	4-((2-((2-aminophenyl)disulfanyl)phenyl)(phenyl)carbamoyl)-3-methyl-1H-pyrazol-5-ol	CCDC 838283: Experimental Crystal Structure Determination, DOI: 10.5517/ccdc.csd.ccx49dq, CSD Communication, 2019	2019		0	2631-9888

24	M. GOWRI	4-((2-hydroxyphenyl)(phenyl)carboimidoyl)-3-methyl-1-phenyl-1H-pyrazol-5-ol	CCDC 870257: Experimental Crystal Structure Determination, 2019, DOI: 10.5517/ccdc.csd.ccy6kth, CSD Communication	2019		0	2631-9888
25	M. GOWRI	4-[[2-hydroxy-3-methoxyphenyl)methylidene]amino}-1,5-dimethyl-2-phenyl-1,2-dihydro-3H-pyrazol-3-one	CCDC 1904666: Experimental Crystal Structure Determination, DOI: 10.5517/ccdc.csd.cc21xyvs, CSD Communication 2019	2019	0	0	2631-9888
26	M. GOWRI	4-[[2-hydroxyphenyl)methylidene]amino}-1,5-dimethyl-2-phenyl-1,2-dihydro-3H-pyrazol-3-one	CCDC 1904665: Experimental Crystal Structure Determination, DOI: 10.5517/ccdc.csd.cc21xytr, CSD Communication	2019		0	2631-9888
27	M. GOWRI	4-[[4-hydroxy-3-methoxyphenyl)methylidene]amino}-1,5-dimethyl-2-phenyl-1,2-dihydro-3H-pyrazol-3-one	CCDC 1900253: Experimental Crystal Structure Determination, DOI: 10.5517/ccdc.csd.cc21schq, CSD Communication	2019		0	2631-9888
28	P.Divya A. Prithiba R. Rajalakshmi	A comprehensive review on the nanocomposites of graphene and its derivatives in the application of supercapacitors	Rasayan journal of chemistry	2019	Vol :12	214-231	9741-496
29	Santhiya s and Lalitha P	Antimicrobial activity of metal and non-metallic nanoparticles from <i>Cyperus rotundus</i> root extract on infectious disease causing pathogens	Journal of Plant Biochemistry and Biotechnology	2019	Vol :29 Issue:2	1-10	0971-7811
30	R.Thilgavathi P.Sandhiya A.Prithiba R.Rajalakshmi	Application of <i>Ipomea staphylina</i> Leaf as an Eco-friendly Biomass for the Corrosion Inhibition of Mild Steel in 1M HC	Materials today :proceedings	2019	Vol :18	1633-1647	2214-7853
31	R. Thilagavathi, A. Prithiba and R. Rajalakshmi	Assessment of <i>Passiflora vitifolia</i> leaves extract as a potential inhibitor for mild steel acid corrosion	Rasayan journal of chemistry	2019	Vol :62	431 - 449	0974-1496
32	P.Divya, A. Prithiba and R. Rajalakshmi	Biomass derived functional carbon from <i>Sargassum wightii</i> seaweed for supercapacitors	IOP Conference. Series , Mater. Sci. Eng.	2019	Vol :561	1-11	1757-899X
33	M. Gowri , T.	Carbonyl-trichloro-bis(triphenylphosphine)-	CCDC 892627: Experimental	2019	Vol :56	0	2631-

	Srinivasan, D. Velmurugan	ruthenium	Crystal Structure Determination, DOI: 10.5517/ccyyvf4, CSD Communications 2019		Issue:6		9888
34	M.Gowri	chloro(tris(triphenylphosphine))copper	CCDC 838467: Experimental Crystal Structure Determination, 2019	2019		0	2631-9888
35	Murugesan Rajeswari, Natchimuthu Santhi and Shubashini K Sripathi	In Silico Antimicrobial Activity of Bioactive Compounds from Roots of <i>Pisonia Grandis</i> R. Br	International Journal of Pharmacy and Biological Sciences	2019	Vol :9 Issue:1	1125-1137	2321-3272
36	M.Gowri	oxo(diphosphino)bis(triphenylphosphine)ruthenium	CCDC 878135: Experimental Crystal Structure Determination, 2019, DOI: 10.5517/ccdc.csd.ccygry2, CSD Communication	2019		0	2631-9888
37	R. Thilagavathi, A. Prithiba and R. Rajalakshmi	Performance evaluation of <i>Sargassum polycystum</i> C.Agardh seaweed extract as green inhibitor for acid corrosion of mild steel	Oriental journal of chemistry	2019	Vol :35 Issue:1	241-254	0970-020 X
38	P. Divya, A. Prithiba and R. Rajalakshmi	A comprehensive review on the Nanocomposites of graphene and its derivatives in the application of supercapacitors	Rasayan journal of chemistry	2019	Vol.12 Issue:1	214 – 231,	0974-1496
39	Suruthika Boobalakashnan , Poonkothai Mani , Lalitha Pottail , Sasireka Krishnan Sundararajan	Synthesis of nano-silver from <i>Navicula cincta</i> and the evaluation of its antimicrobial activity	IET nanobiotechnology	2019	Vol :15 Issue:2	119-124	1750-0443
40	P.Divya S.Subhashini A.Prithiba R.Rajalakshmi	<i>Tithonia diversifolia</i> flower Extract as green Corrosion Inhibitor for Mild Steel in Acid Medium	Materials Today :Proceedings	2019	Vol :18 Issue:4	1581-1591	2214-7853
41	Govindharajan Sangeetha, Raman Saratha, Viswapriya Shanmugam,	Wet corrosion behavior of copper exposed to recycled groundnut oil as biofuel	Materials Testing	2019	Vol :61 Issue:2	131-135	255300

	Rathanasamy Rajasekar, Velu Kaliyannan Gobinath, Palaniappan Sathish Kumar						
42	M. Jannathul Firdhouse and P. Lalitha	A review on pharmacological importance of leafy greens-mediated silver nanoparticles	World journal of pharmacy and pharmaceutical sciences	2018	Vol :7 Issue:5	242- 249	2278 – 4357
43	S.Santhiya, P.Lalitha, C.S.Smina	A versatile method of synthesis of plant-assisted metal nanoparticles using <i>Cyperus rotundus</i> aqueous extract	Asian Journal of Multi-dimensional research	2018	Vol :7	482- 489	2278- 4853
44	Lalitha Pottail and Smina CS	<i>Acorus calamus</i> gold nano particles as enhanced anti – microbial agents for Transdermal Patches	Micro & Nano Letters	2018	Vol :14 Issue:4	-	1750- 0443
45	G.Poongothai and Shubashini K Sripathi	Inhibition Of Protein Denaturation By Extracts Of Leaves, Stems and Roots Of <i>Pisonia Grandis</i> R.Br.	International research journal of pharmacy	2018	Vol :9 Issue:5	53-56	2230- 8407
46	Akhila.C; S.Usha; P. Lalitha	An enzymatic evaluation of antidiabetic activity of <i>Momordica charantia</i>	Asian Journal of Multi-dimensional research	2018	Vol :7	183- 189	2278 - 4853
47	K.S.Sasireka, P.Lalitha, S. Santhiya	Brine shrimp lethality bioassay of <i>Alternanthera sessilis</i>	Asian Journal of Multi-dimensional research	2018	Vol :7	149- 154	2278 - 4853
48	R. Thilagavathi , A. Prithiba and R. Rajalakshmi	Corrosion Inhibition of Mild Steel in acid medium using <i>Ulva reticulata</i> Seaweed as Green corrosion Inhibitor	International Journal of Green and Herbal Chemistry	2018	Vol :7 Issue:1	095- 113	2278- 3229
49	R.Menaka, R. Geethanjali, S. Subhashini	Electrochemical Investigation of Eco-friendly Chitosan Schiff base for Corrosion Inhibition of Mild Steel in Acid Medium	Materials Today : Proceedings	2018	Vol :5 Issue:8	16617– 16625	2214- 7853
50	M. Jannathul Firdhouse and P. Lalitha	Formulations of sunscreen lotions using <i>Acorus calamus</i> and zinc oxide nanoparticles and their in vitro evaluation of sun protection factor (spf)	World Journal of Pharmaceutical Research	2018	Vol :7 Issue:9	510- 515	2277 – 7105
51	R. Geethanjali , R. Menaka, S.Subhashini	Gravimetri and Electrochemical study of temperture effect of PVA grafted terpolymer on corrosion inhibition of mild steel in hydrochloric acid	Materials today: proceedings	2018	Vol :5 Issue:8	16246 - 16257	2214 - 7853

52	G.Poongothai and Shubashini K Sripathi	Inhibition of protein denaturation by extracts of leaves, stems and roots of <i>Pisonia grandis</i> r.br.	International research journal of pharmacy	2018	Vol :9 Issue:5	53-56	2230 8407
53	S.Umadevi and N .Renugadevi	Kinetics of Remazol Black B Adsorption using a low cost activated carbon prepared from fruit pods of <i>Bauhinia racemosa</i>	Asian Journal of Biochemical and Pharmaceutical Research	2018	Vol :8	8-13	2231- 2560
54	S. Sheeba Joy Bell and S. Subhashini	Self-Assembled Chitosan-g-Poly(itaconic acid) Nanoparticles: A Potential Drug Carrier for Docetaxel	Asian Journal of Chemistry	2018	Vol :30 Issue:7	1469- 1475	0970- 7077
55	Jannathul Firdhouse M., Lalitha P.	Synthesis of few - layer graphene using plant extracts and analysis of its applications in food industry	Asian Journal of Multi-dimensional research	2018	Vol :7	226- 234	2278 - 4853
56	Smina C.S, P.Lalitha, K.S Sasi Reka	Traditional herb <i>Helicteres isora</i> arbitrated nano composite synthesis and its anti-cancer potency against breast cancer cell lines	Asian Journal of Multi-dimensional research	2018	Vol :7	414- 420	2278- 4853
57	M Priya1 , Shubashini K Sripathi2 and P Lalitha	Ultrasound Enabled Synthesis of Few Coumarins and a Study of Lipophilicity	Journal of Chemical and Pharmaceutical Research,	2018	Vol :10 Issue:3	167- 171	0975- 7384
58	S.Umadevi and N.Renugadevi	Adsorptive removal of anionic dyes from aqueous solution by <i>Bauhenia racemosa</i> seed pod carbon'	Pollution research	2017	Vol :36 Issue:1	111- 115	
59	A.Vijaya lakshmi&J.Thamarai selvi	Calcium ion selective electrode based on vinyl acetic acid grafted PVC as ionophore & determination of thermodynamic functions & its analytical applications.	ultra chemistry	2017	Vol :13 Issue:2	40-43	0973- 3450
60	A.Vijayalakshmi&J.J. Thamarai selvi	Calcium ion selective electrode based on Acyclic polyether based ionophore & its application studies.	ultra chemistry	2017	Vol :13 Issue:7	112- 120	0973- 3450
61	A.Vijayalakshmi & J.Thamarai selvi	Calcium ion selective electrode based on polyurethan nano fibre ionophore & its application studies	ultra chemistry	2017	Vol :6 Issue:7		2277- 8179
62	A.Vijayalakshmi&J.T hamarai selvi	Calcium ion selective electrode based on schiff base as ionophore & determination of Thermodynamic functions and its analytical applications.	Oriental journal of chemistry	2017	Vol :33 Issue:1	531- 536	0970- 020X

63	A.Nazreen &J.Thamarai selvi	Cellulose acetate based eco friendly membrane preparation &its application studies.	ultra chemistry	2017	Vol :13 Issue:1	40-43	0973-3450
64	Karthika&J.Thamarai selvi	Cellulose acetate -starch blend green membrane preparation &its application studies.	Pollution research	2017	Vol :36 Issue:7	167-173	0257-8050
65	R. Geethanjali, A. Ali Fathima Sabirneeza and S.Subhashini	Corrosion inhibition, adsorption and thermodynamic properties of poly(vinyl alcohol-cysteine) in molar HCl	Arabian Journal of chemistry	2017	Vol :10 Issue:2	3358-3366	1878-5352
66	M. Jannathul Firdhouse and P. Lalitha	Cytotoxicity of spherical gold nanoparticles synthesized using the aqueous extracts of aerial roots of <i>Raphidophora aurea</i> intertwined over <i>Lawsonia inermis</i> and <i>Areca catechu</i> on MCF 7 lines	IET nano biotechnology	2017	Vol :11 Issue:2		1751-8741
67	R.Vasanth Jothi, R.Saratha, D.Senthil Vadivu	Inhibitive Action of <i>Ailanthus excelsa</i> Roxb. Extract on the Corrosion of Mild Steel in Hydrochloric Acid Medium	Indian journal of Advances in Chemical Sciences	2017	Vol :5 Issue:4	263-267	2320-0898
68	Amutha Muthusamy1 , Lalitha Pottail2 and Jannathul Firdhouse2	Insilico structure based drug designing of lead compounds for Lung cancer	World Journal of Pharmacy and Pharmaceutical Sciences	2017	Vol :6 Issue:6	1306-1316	2278 – 4357
69	A.vijayalakshmi and J.Thamarai selvi	No	pollution journal	2017	Vol :3 Issue:4	167-173	0257-8050
70	H. M. Manukumar , B. Chandrasekhar , K. P. Rakesh , A. P. Anand , M. Nandhini , P. Lalitha , S. Sumathi , Hua-Li Qin , and S. Umesha	Novel T-C@AgNPs mediated biocidal mechanism against biofilm associated 2 methicillin-resistant Staphylococcus aureus (Bap-MRSA) 090, cytotoxicity and 3 its molecular docking studies	MedChemComm,Royal Society of Chemistry	2017	Vol :8 Issue:12	2181-2194	2040-2503
71	M.Srimathi R.Rajalakshmi S.Subhashini	Polyvinyl alcohol–sulphanilic acid water soluble composite as corrosion inhibitor for mild steel in hydrochloric acid medium	Arabian Journal of Chemistry	2017	Vol :7 Issue:5	647-656	1878-5352
72	J.Thamarai selvi	Potentiometric determination of alloy like combination of cations by using silver Amalgam Ion selective electrode&its analytical applications	ultra chemistry	2017	Vol :13 Issue:1	21-24	0973-3450
73	D. Senthil vadivu, R.	Study of corrosion mitigation behaviour of	SSRG International Journal of	2017	Vol :4		2393

	Saratha, R. Vasantha jothi	<i>Caryota urens</i> leaves extract on mild steel in citric and hydrochloric acids	Applied Chemistry (SSRG-IJAC)		Issue:2		– 9133
74	Sharulatha.V and Sivakamasundari.S	Synthesis Characterization and Antibacterial Activity of (5- Amino 1,3,4-2H -Pyrido[1,2-A]Pyrimidin-2-Ones	Journal of Chemical and Pharmaceutical Research	2017	Vol :9 Issue:1	308- 310	0975- 7384
75	R. Karthikaiselvi, S. Subhashini	The water soluble composite poly-(vinylpyrrolidone–methylaniline) A new class of corrosion inhibitors of mild steel in hydrochloric acid media	Arabian Journal of Chemistry	2017	Vol :10 Issue:12	S627– S635	1878- 5352
76	R.KarthikaiselviaS.Su bhashinib	The water soluble composite poly(vinylpyrrolidone–methylaniline): A new class of corrosion inhibitors of mild steel in hydrochloric acid media	Arabian Journal of Chemistry	2017	Vol :10 Issue:17	S627- S635	1878- 5352
77	R. Vasantha Jothi, R Saratha, & S.V.Priya	A Review on Environmentally-safe Corrosion deterrence of Metals in Various Media	IRA-International Journal of Applied Sciences	2016	Vol :4 Issue:1	49-60	2455- 4499
78	A.Prithiba, R.Rajalakshmi	An eco friendly initiative for the Corrosion Inhibition of Mild Steel in 1M HCl using <i>Tecoma capensis</i> flower extract	International Journal of Metals	2016	2016	Article ID 857942 9; 9 PAGES	2356- 704X
79	M. Jannathul Firdhouse and P. Lalitha	Assessment Of Aḡamylase Inhibitory Action Of Some Edible Plant Sources	Innovare Journal of Science,	2016	Vol :4 Issue:3	01-Jul	2321- 5496
80	M. Jannathul Firdhouse and P. Lalitha	Biogenic silver nanoparticles – Synthesis, Characterization and its potential against cancer inducing bacteria	Journal of Molecular Liquids, Elsevier Publications	2016	Vol :222 Issue:1	1041– 1050	0167- 7322
81	M. Jannathul Firdhouse and P. Lalitha	Biosynthesis of silver nanoparticles and its applications	Journal of Nanotechnology,	2016	Vol :18 Issue:3	18	1687- 9503 (Print)
82	A.Vijayalakshmi & J.Thamarai selvi	Calcium ion selective electrode based on surface modified zeolite based ionophore and its analytical applications	Oriental journal of chemistry	2016	Vol :33 Issue:1	396- 401	0970- 020X .
83	R.Menaka; S.Subhashini	Chitosan Schiff base as eco-friendly inhibitor for mild steel corrosion in 1 M HCl	Journal of adhesion science and Technology	2016	Vol :30 Issue:15	DOI: 10.1080	2278- 6783

						/01694 243.201 6.11563 82	
84	R.Menaka,S.Subhashini	Chitosan Schiff base as effective corrosion inhibitor for mild steel in acid medium	Polymer International - Wiley	2016	Vol :66 Issue:3	349-358	1097-0126
85	A.Prithiba, R.Rajalakshmi	Corrosion Inhibition of Mild steel in 1M HCl in the Presence of <i>Spathodea campanulata</i> Leaves and Flowers	Chemical Science Review and Letters,	2016	Vol :5 Issue:17	83-97	2278-6783
86	A. Mathina and R. Rajalakshmi	Corrosion inhibition of mild steel in acid medium using <i>Canna indica</i> as Green Corrosion Inhibitor	Journal of adhesion science and Technology	2016	Vol :9 Issue:1	56-66	0974-1496
87	D. Senthil Vadivu, R. Saratha, R.Vasantha Jothi	Corrosion Inhibition Of Mild Steel In Hydrochloric Acid Medium Using Plant Extracts – A Succinct Review	International Journal of Science, Engineering and Technology Research (IJSETR)	2016	Vol :5		2278 – 7798
88	H.N. Meenakshi, M.C.Prasanna Venkata Lakshmi Anisha Anand, R. Shyamala, and R. Saratha	Corrosivity of Pongamia pinnatta biodiesel on zinc and its alloy – a comparison	Int. J. Environment and Sustainable Development	2016	Vol :15 Issue:3	264-271	1474-6778
89	V.Karunambika,V.Anitha &J.Thamaraiselvi	Eco friendly membrane preparation and its application studies.	International journal of scientific research.	2016	Vol :5 Issue:6	57-62	2277-8179
90	M. Jannathul Firdhouse and P. Lalitha	Flower-shaped gold nanoparticles synthesized using <i>Kedrostis foetidissima</i> and its antiproliferative activity against bone cancer cell lines	Int.J. of Industrial Chemistry	2016	Vol :7	347–358	2228-5970
91	R. Geethanjali and S.Subhashini	Functionalization of PVA to synthesize p-vinyl benzene sulfonate terpolymers – a comparative study of anticorrosion, adsorption and activation properties of the terpolymers on mild steel in 1 M HCl	RSC Advances	2016	Vol :6 Issue:10 3	100748 - 100758	2046-2069
92	A. Mathina and R. Rajalakshmi	<i>Heliconia rostrata</i> Flower Extract – A New Eco-Friendly Inhibitor for Mild steel Acid Corrosion	Chemical Science Review and Letters,	2016	Vol :5	72-82	2278-6783
93	P. Divya,R. Saratha,	Impediment Effect of <i>Galinsoga parviflora</i>	Chemical Science Review and	2016	Vol :5	115-	2278-

	and S.V. Priya	(Quick Weed)on Mild Steel Corrosion in 1 M HCl	Letters,			126	6783
94	M.Nesrin Fathima, A. Prithiba, S. Leelavathi and R.Rajalakshmi	Investigation of <i>Podranea ricasoliana</i> Leaves Extract as Green Corrosion Inhibitor for Mild Steel in 1M HCl	International Journal of Advanced Scientific Research and Management,	2016	Vol :1 Issue:4	122-130	2455-6378
95	Shubashini K.Sripathi and P Lalitha	Keratolytic Molecule Aided Inhibition of DNA Damage and Tyrosinase Activity of a Herbal Formulation	International Journal of Biosciences and Technology	2016	Vol :9 Issue:2	07-14	0974 3987
96	S.Umadevi and N.Renugadevi	Kinetic modeling of adsorption of reactive blue dye using a low cost activated carbon prepared from <i>Bauhenia racemosa</i> seed pod carbon.	International Journal of innovative research and development	2016	Vol :5 Issue:1	126-130	2278 – 0211
97	S.Umadevi and N.Renugadevi	Kinetic studies of Acid blue 110 dye removal using activated carbon prepared from <i>Bauhenia Racemosa</i> seed pod carbon.	Journal of Ultra Chemistry	2016	Vol :12 Issue:1	01-08	0973-3450
98	M. Jannathul Firdhouse and P. Lalitha	Nanosilver-decorated nanographene and their adsorption performance in waste water treatment	Bioresources and Bioprocessing, Springer Publication	2016	Vol :3 Issue:12	DOI: 10.1186 /s40643 -016- 0089-5	2197-4365
99	T.Ananthi&J.Thamarai selvi	Preparation of Strontium ion selective electrode and its analytical applications.	Internal journal of scientific research	2016	Vol :5 Issue:6	63-66	2277-8179
100	Sharulatha.V and Sivakamasundari.S	Simple and Efficient Synthesis of 2-Oxo-2H-Pyrido[1,2-a]Pyrimidin-3(4H)- Ylidene Acetic Acid and Its Rearrangement in Presence of Acid Media,	. Heterocyclic Chem.,	2016	Vol :53 Issue:3	882	1943-5193
101	R. Geethanjali , S.Subhashini	Synthesis of water-soluble acryl terpolymers and their anticorrosion properties on mild steel in 1 mol•L ⁻¹ HCl	Chinese Journal of Chemical Engineering	2016	Vol :24 Issue:6	543–552	1004-9541
102	A. Manikandan, M. Durka, M. Amutha Selvi, and S. Arul Antony	Aloe vera Plant Extracted Green Synthesis, Structural and Opto-Magnetic Characterizations of Spinel CoxZn1-xAl2O4 Nano-Catalysts	J. Nanosci. Nanotechnol	2015	Vol :15	1	1533-4880
103	Geetanjali A, Lalitha P and	Analysis of curcumin content of turmeric samples from various states of India	International Journal of Pharma and Chemical Research	2015	Vol :2	55-62.	2395 3411

	M.JannathulFirdhouse						
104	JannathulFirdhouse and P. Lalitha	Analysis of the optical properties of silver nanoparticles synthesized using Amaranthus extracts.	Internatioanl journal of drug delivery and nanotechnology	2015	Vol :5 Issue:1	61-64	2455-2747
105	Vishnuthari N and Shubashini K Sripathi	Antifungal Assay of Root Extract Fractionates of <i>Clerodendrum inerme</i> (Linn.)	International Journal of Green and Herbal Chemistry, Sec.	2015	Vol :4 Issue:4	355-358	2278-3229
106	Jannathul Firdhouse M.1 and Lalitha P.1	Apoptotic efficacy of biogenic silver nanoparticles on human breast cancer mcf-7 cell lines	Progress in biomaterials, Springer Publication	2015	Vol :4 Issue:2-4	113-121	2194-0517
107	M. JannathulFirdhouse and P. Lalitha	Binding properties of Biosynthesized Gold nanoparticles with Calf-Thymus DNA in vitro	International journal of Biological Chemistry	2015	Vol :9 Issue:4	188-197	1819-155x
108	Vishnuthari N and Shubashini K Sripathi	Bio Assay fractionation based anti fungal assay of stems of <i>Cissus quadrangularis</i> Linn	Asian Journal of Science and Technology	2015	Vol :6 Issue:11	1985-86	0976-3376
109	M. Jannathul Firdhouse, P. Lalitha and Vennila	Biogenic synthesis of zinc oxide nanoparticles	International journal of extensive research,	2015	Vol :2 Issue:4	43454	2304-0301
110	Amutha Muthusamy, and Lalitha Pottail	Biological Effect of <i>Kedrostis foetidissima</i> On A-549 Lung Cancer Cell Lines	International J Ext Res.	2015	Vol :5 Issue:1	43386	2394-0301
111	Lalitha P, Shubashini K Sripathi, and Jayanthi P	Corynebacterium inhibiting P.grandis based herbal textile	International Journal Of Pharmaceutical Chemistry & Toxicology	2015	Vol :1 Issue:1	11to13	2455-2763
112	Gowri M, Srinivasan T, Velmurugan M	Crystal Structure of Carbonuyl Trichloro bis(Triphenyl Phosphine) Ruthenium(III) Complex	Journal of Structural Chemistry	2015	Vol :56 Issue:6	1193-1197	0022-4766
113	Amutha.M, Lalitha.P	Cytotoxicity effect of Ethanol extract of <i>Kedrostis Foetidissima</i> (Jacq.)Cogn. in Human Osteosarcoma Cell Lines (MG-63)	INTERNATIONAL JOURNAL OF PHARMACEUTICAL CHEMISTRY & TOXICOLOGY	2015	Vol :1 Issue:1	24-27	NIL
114	G.Poongothai, Shubashini K.Sripathi	Documentation of Physiochemical Parameters of the Folkloric Medicinal Plant <i>Pisonia grandis</i> R.Br. Reared under Greenhouse and Local Environment Conditions	Research Journal of Medicinal Plant	2015	Vol :9 Issue:8	427-434	1819-3455
115	Amutha	Evaluation of anti oxidant activities of stem and	International Journal of	2015	Vol :5	28 – 34	2249-

	Muthusamyand Lalitha Pottail	leaf extracts of <i>Kedrostis foetidissima</i> (Jacq) Cogn	Research in Pharmacy and Science		Issue:2		3522
116	V.N.Sheeja; S.Subhashini	Evaluation of the protective nature of <i>Schleichera oleosa</i> Bark extract as green inhibitor of mild steel corrosion in sulphuric acid	International journal of science, Engineering and technology research	2015	Vol :4 Issue:4	2146-2151	2278-7798
117	Aneesa E H,P. Lalitha and JannathulFirdhouse M	Facile Fabrication of gold nanoparticles using <i>Glinuslotoides</i> extract	International journal of Applied Sciences and Innovation	2015	Vol :1	24-33	2458-6501
118	Vishnuthari N and Shubashin K Sripathi	GC MS Analysis of Hexane Extract of Stems and Roots of the Ethno medicinal Plant <i>Cissus quadrangularis</i> Linn	Journal of Chemical, Biological and Physical Sciences	2015	Vol :5 Issue:4	3954-3963	2749 1929
119	V.N.Sheeja; S.Subhashini	<i>Grewia tiliaefolia</i> Bark extract as green inhibitor of mild steel corrosion in Sulphuric acid medium	International journal of Engineering sciences & research technology	2015	Vol :4 Issue:6	1082-1093	2277 9655
120	V.N.Sheeja; S.Subhashini	Influence of Green Extracts as Metal corrosion inhibitors from various families of plant in different corrosive media- A Review	International Journal of Advance Research in Engineering and Applied Sciences	2015	Vol :2 Issue:2		2394-4943
121	R. Geethanjali ;S.Subhashini	Investigation of Corrosion Inhibition Efficiency of Some Synthesized Water Soluble Terpolymers on N-80 Steel in HCl, NaCl and Simulated Oil Well Water	Portugaliae Electrochimica Acta	2015	Vol :33 Issue:6	85-104	1647-1571
122	E. Jayapriya, P. Lalitha and M. JannathulFirdhouse	Isatin-Mediated Synthesis and Characterization of Silver Nanoparticles	International Journal of Pharma and Chemical Reseach	2015	Vol :2 Issue:1	46-54	2395 3411
123	TA Sukantha, Shubashini K Sripathi	Isolation And Characterization Of Secondary Metabolites From <i>Pithecellobium dulce</i> Benth Fruit Peel	International Journal of Pharmacy and Pharmaceutical Sciences	2015	Vol :7		0975-1491
124	P.Lalitha, ShubashiniK.Sripathi and P.Jayanthi	Isolation of Stigmasterol in quantitative yields from the ethyl acetate extracts of <i>Eichhornia crassipes</i> (Mart.) Solms	International Journal of Natural products and Marine Biology	2015	Vol :1 Issue:1	24-28	2455-2755
125	M. Jannathul Firdhouse, P. Lalitha	Maestro 9.4 as a tool in the structure based screening of Glycoalkaloids and related compounds, targeting Aldose reductase	Trends in Bioinformatics	2015	Vol :8 Issue:1	26-36	1994-7941

126	Thilagavathy, P & Saratha, R	Mirabilis Jalapa flowers extract as corrosion inhibitor for the mild steel corrosion in 1M HCl.	IOSR Journal of Applied Chemistry	2015	Vol :8 Issue:1	30-35	2278-5736
127	A. Manikandan, E. Hema, M. Durka, M. Amutha Selvi, T. Alagesan, S. Arul Antony	Mn ²⁺ Doped NiS (MnxNi1-xS: x = 0.0, 0.3 and 0.5) Nanocrystals: Structural, Morphological, Opto-magnetic and Photocatalytic Properties,	J Inorg Organomet Polym	2015	Vol :25 Issue:4	804-815	1574-1443 6
128	Gowri M, Daniel ThangaDurai T	Novel Heterocyclic Schiff base, (Z)-4-((2-((2-Amino phenyl)disulfanyl) phenylimino)(phenyl)Methyl)-3-Methyl-1-Phenyl-1H-Pyrazol-5-ol Crystals for Enzymatic Studies	Molecular Crystals & Liquid Crystals	2015	Vol :606 Issue:1	199-207	01563-5287
129	R.Menaka;R. Geethanjali ;S.Subhashini	Optimization of factors influencing corrosion inhibition performance of N-Maleyl chitosan / polyvinyl alcohol blend for mild steel in acid medium- Taguchi method	Journal of scientific Research and advances	2015	Vol :2 Issue:2	73-79	2395-0226
130	A. Ali Fathima Sabirneeza, S. Subhashini & A. Shahul Hameed	Optimization of parameters through Taguchi method for enhanced corrosion inhibition of poly (vinyl alcohol-serine)	Journal of Adhesion Science and Technology	2015	Vol :29 Issue:24	2648-2678	1568-5616
131	R. Geethanjali ;R.Menaka;S.Subhashini	PEG based Stimuli sensitive hydrogels: Synthesis, characterization and swelling behavior in various media	International Journal of Advance Research in Engineering and Applied Sciences	2015	Vol :2 Issue:1	106-117	2394-4943
132	Amutha M and Lalitha P	Phytochemical Screening and In vitro Evaluation of Antimicrobial Activity of <i>Kedrostis foetidissima</i> extract impregnated Face Mask	International Journal of Pharma and Chemical Research	2015	Vol :1 Issue:4	165-172	2395-3411
133	Amutha, M and Lalitha P,	Proximate Analysis of Leaf and Stem of <i>Kedrostis foetidissima</i> (JACQ.)COGN.	International Journal of Natural products and Marine Biology	2015	Vol :1 Issue:2	7to10	2455-2755
134	S.Umadevi and N.Renugadevi	Removal of Crystal Violet dye from aqueous solution using <i>Bauhenia racemosa</i> seed pod carbon.	Journal of Pollution Research	2015	Vol :34 Issue:4	693-699	0257-8050
135	Amutha Muthusamy, Lalitha Pottail	Screening of <i>Kedrostis foetidissima</i> (Jacq.)Cogn. Extracts for A-Amylase Inhibition	International Journal of Interdisciplinary Research and	2015	Vol :3 Issue:4	106-110	2348-1218

			Innovations				
136	A. Manikandan, M. Durka, M. Amutha Selvi, and S. Arul Antony	<i>Sesamum indicum</i> Plant Extracted Microwave Combustion Synthesis and Opto-Magnetic Properties of Spinel $Mn_xCo_{1-x}Al_2O_4$ Nano-Catalysts	J. Nanosci. Nanotechnol.	2015	Vol :16 Issue:1	448- 456	1533- 4899
137	Gowri M, Srinivasan T, Velmurugan D	Studies on Spectroscopic and crystal structure of Dichloro Carbonyl Dipyrindine Triphenyl arsine Ruthenium(II) Complex	Journal of Structural Chemistry	2015	Vol :56 Issue:8	1602- 1605	0022- 4766
138	A. Ali Fathima Sabirneeza; S.Subhashini; A.Shakul Hameed	Study of synergistic influence of L-cysteine on polyvinyl alcohol – Taguchi method: continuous electrochemical monitoring of corrosion inhibition of mild steel by poly(vinyl alcohol-cysteine)	Journal of adhesion science and Technology	2015	Vol :29 Issue:12	1268– 1294	1568- 5616
139	R. Geethanjali ;S.Subhashini	Thermodynamic Characterization of Metal Dissolution and Adsorption of Polyvinyl Alcohol-Grafted Poly(Acrylamide- Vinyl Sulfonate) on Mild Steel in Hydrochloric Acid	Portugaliae Electrochimica Acta	2015	Vol :33 Issue:1	35-48	1647- 1571
140	P.Lalitha,Shubashini K.Sripathi, P.Jayanthi	UV Protecting Ability of Sunscreen Lotions Prepared with Extracts of <i>Pisonia grandis</i> R.Br	World Journal of Pharmacy and Pharmaceutical Sciences	2015	Vol :4 Issue:2	324- 329	2278- 4357