



**Prof. Dr. Avinash S. Jagtap**  
M.Sc. Ph.D.  
PRINCIPAL

॥ सिद्धिरनेकान्तात् ॥

Anekant Education Society's

# TULJARAM CHATURCHAND COLLEGE

of Arts, Science and Commerce, Baramati - 413102.

Dist. Pune. Maharashtra, India.

**Empowered Autonomous Status**

E-mail : principal.tccollege@gmail.com

Religious Minority Institute

NAAC Reaccredited 'A+' Grade, CGPA 3.55

**NAAC-SSR**

**Cycle IV**

**2019 - 2024**

## Criterion-III: Research, Innovations and Extension

**3.4.6**  
**Q<sub>n</sub>M**

**Bibliometrics of the publications during the last five years based on Scopus/ Web of Science – h- index of the Institution**

<b>3.4.6</b> <b>Q<sub>n</sub>M</b>	<b>Bibliometrics of the publications during the last five years based on Scopus/ Web of Science – h-index of the Institution</b>	
	<b>3.4.6.1:</b> h-index of the institution based on publications made in journals of Scopus during the last five years	<b>h-index: 14</b> (Scopus)
	<b>3.4.6.2:</b> h-index of the institution based on publications made in journals of Scopus during the last five years	<b>h-index: 14</b> (Web of Science)



  
Principal  
Tuljaram Chaturchand College  
Baramati

### 3.4.6 Bibliometrics of the publications during the last five years based on Scopus / Web of Science-h-index of the institution

#### Bibliometrics of the publications during the last five years based on Scopus -h-index of the institution

#### Scopus

Sr. No	Year	Research Paper Title	Authors	ISSN	Journal Title	Volume	Issue	Citations					Total
								2019	2020	2021	2022	2023	
1	2023	Effect of thermal treatment of the SnO <sub>2</sub> thin film prepared by spray pyrolysis method	Balbhim Maharnavar; Amol Pardeshi; Mahendra Patil; Pandurang Pingale; Mohansing Padvi; Mahesh Bagal	0094-243X	<i>AIP Conf. Proc.</i>	2716	1	0	0	0	0	1	1
2	2023	Facile synthesis of indium doped CdSe thin films: microstructural and optoelectronic characteristics	G. T. Chavan, S. T. Pawar, B. Y. Fugare, S. S. Kamble, P. C. Pingale, Yedluri Anil Kumar, A. Sikora, Abdullah A. Al-Kahtani & Chan-Wook Jeon	1573-482X	<i>Journal of Materials Science: Materials in Electronics,</i>	34 (10)	888	0	0	0	0	2	2
3	2023	Morpho-molecular identification, characterization and management of <i>Pythium catenulatum</i> , the causative agent of root rot disease in <i>Phaseolus vulgaris</i>	Manish Kumar Dubey, Mohd Aamir, Andleeb Zehra, Mukesh Yadav, Punam Kumari, Milind H. Gajbhiye, Ram	0931-1785	<i>Journal of Phytopathology</i>	171	2-3	0	0	0	0	1	1



		(common bean)	Sanmukh Upadhyay										
4	2023	Lactic Acid Bacteria in the Management of Oily Spot Disease of Pomegranate	Gajbhiye, M.H., Bankar, A.V., Kapadnis, B.P.	1432-0991	<i>Current Microbiology</i>	80	1	0	0	0	0	4	4
5	2023	PIPES-ZnO NPs coupled catalyst for the synthesis of 2-((1H-indol-3-yl)(phenyl)methyl)-5, 5-dimethylcyclohexane-1,3-diones	Gadekar, S.S., Joshi, R.A., Madje, B.R., Salunke, S.T., Sapkal, S.B.	2211-7156	<i>Results in Chemistry</i>	6	101074	0	0	0	0	1	1
6	2023	Synthesis and Photophysical Study of Tetraphenyl Substituted BODIPY Based Phenyl-Monoselenide Probe for Selective Detection of Superoxide	Salunke, S.T., Shelar, D.S., Manjare, S.T.	1573-4994	<i>Journal of Fluorescence</i>	33	2	0	0	0	0	5	5
7	2023	A Novel Approach of Developing AgI Loaded Silica Aerogels for Possible Application as Cloud Seeding Material	Nadargi, J.D., Dateer, R.B., Kalubarme, R.S., Truong, N.T.N., Pawar, S.H.	1876-9918	<i>Silicon</i>	15	33	0	0	0	0	2	2
8	2022	Binder free cobalt iron phosphate thin films as efficient electrocatalysts for overall water splitting	Suraj A Khalate, Sujit A Kadam, Yuan-Ron Ma, Sachin B Kulkarni, Vinayak G Parale, Umakant M Patil	0021-9797	<i>Journal of Colloid and Interface Science</i>	613	-	0	0	0	28	0	28



9	2022	Nanoparticle Engineered Photocatalytic Paints: A Roadmap to Self-Sterilizing against the Spread of Communicable Diseases	Vijay S. Mohite, Milind M. Darade, Rakesh K. Sharma, Shivaji H. Pawar	2073-4344	<i>Catalysts</i>	12	3	0	0	0	10	0	10
10	2022	Powdery mildew on <i>Coccinia grandis</i> caused by <i>Golovinomyces tabaci</i> in India	Sujit H. Wagh, Mahadev B. Kanade, Sachin V. Thite, Uwe Braun, Kamila C. Correia, Guadalupe A. Mora-Romero & Juan M. Tovar-Pedraza	1833-928X	<i>Australasian Plant Disease Notes</i>	17	1	0	0	0	1	0	1
11	2022	New records, rare and noteworthy species of the genus <i>Nowakowskiella</i> ( <i>Nowakowskiellaceae</i> , <i>Chytridiomycota</i> ) from India	Dubey, M.K., Gajbhiye, M.H., Upadhyay, R.S.	00113891	<i>Current Science</i>	123	12	0	0	0	1	0	1
12	2022	Studies on exopolysaccharide production from <i>Aureobasidium pullulans</i> spi 10 and its application as a green inhibitor for corrosion mitigation	Gaikwad, K.M., Pansare, G.E., Madane, M.P., Mulay, Y.R.	2347-212X	<i>Journal of Applied Biology and Biotechnology</i>	10	3	0	0	0	1	0	1
13	2022	Some side sensitive group runs based control charts to detect shifts in the process median	Gadre, M.P., Kakade, V.C.	1532-4141	<i>Communications in Statistics: Simulation and Computation</i>	51	4	0	0	0	3	0	3



14	2022	Tuning of photoluminescence behavior of gold coated chitosan-polyvinyl alcohol binding with graphene quantum dots	Salunke, A.S., Salunke, S.T., Deokate, R.J., Kale, B.B.	2214-7853	<i>Materials Today: Proceedings</i>	62	-	0	0	0	2	0	2
15	2021	Structural, Morphological, and Vibrational Properties of Porous $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> Nanoparticles Prepared by Combustion method	Rajoba, S.J., Badabade, A.R., Pingale, P.C., Kale, R.D.	1521-3900	<i>Macromolecular Symposia</i>	400 (1)	210003 3	0	0	1	0	0	1
16	2021	Sol-gel assisted spinel Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> and its performance and stability as anode for long life Li-ion battery	S.J. Rajoba, Ajit N. Shirsat, Deepak Tyagi, L.D. Jadhav, R.S. Kalubarme, B.N. Wani, Salil Varma	0167-577X	<i>Materials Letters</i>	285	129134	0	0	5	0	0	5
17	2021	Solution combustion synthesis of NaFePO <sub>4</sub> and its electrochemical performance	Yadav, S.N., Rajoba, S.J., Kalubarme, R.S., Parale, V.G., Jadhav, L.D.	0577-9073	<i>Chinese Journal of Physics</i>	69	-	0	0	17	0	0	17
18	2021	Synthesis and electrochemical performance of mesoporous Ni <sub>2</sub> O <sub>4</sub> nanoparticles as an anode for lithium-ion battery	Swapnil J. Rajoba, Rajendra D. Kale, Sachin B. Kulkarni, Vinayak G. Parale, Rohan Patil, Håkan Olin, Hyung-Ho Park, Rushikesh P. Dhavale, Manisha Phadataré	2504-477X	<i>Journal of Composites Science</i>	5	3	0	0	14	0	0	14



19	2021	Structural, Electronic, and Optical Properties of Lead-Free Halide Double Perovskite $Rb_2AgBiI_6$ : A Combined Experimental and Density Functional Theory Study	Ajinkya Bhorde, Ravindra Waykar, Sachin R. Rondiya, Shruthi Nair, Ganesh Lonkar, Adinath Funde, Nelson Y. Dzade and Sandesh Jadkar	2575-062X	<i>ES Materials and Manufacturing</i>	12	-	0	0	61	0	0	61
20	2021	Lactococcus lactis subsp. cremoris of Plant Origin Produces Antifungal Cyclo-(Leu-Pro) and Tetradecanoic Acid	Gajbhiye, M., Kapadnis, B.	0973-7715	<i>Indian Journal of Microbiology</i>	61	1	0	0	11	0	0	11
21	2021	Novel 1,2,4-triazole analogues as mushroom tyrosinase inhibitors: synthesis, kinetic mechanism, cytotoxicity and computational studies	Balasaheb D Vanjare, Prasad G Mahajan , Nilam C Dige, Hussain Raza , Mubashir Hassan , Yohan Han , Song Ja Kim , Sung-Yum Seo , Ki Hwan Lee	1424-7917	<i>Molecular Diversity</i>	25	4	0	0	21	0	0	21
22	2021	Novel rhodamine based chemosensor for detection of $Hg^{2+}$ : Nanomolar detection, real water sample analysis, and intracellular cell imaging	Balasaheb D. Vanjare, Prasad G. Mahajan, Hyang-Im Ryoo, Nilam C. Dige, Nam Gyu Choi, Yohan Han, Song Ja Kim, Chong-Hyeak Kim, Ki Hwan Lee	0925-4005	<i>Sensors and Actuators, B: Chemical</i>	30	129308	0	0	45	0	0	45



23	2020	(400)-Oriented indium tin oxide thin films with high mobility and figure of merit prepared by radio frequency magnetron sputtering	Ajinkya Bhorde, Ashok J adhavar, Ravindra Waykar, Shruthi Nair, Haribha u Borate, Subhash Pandh arka, Rahul Aher, Dhirsi ng Naik, Priti Vairale, G anesh Lonkar, Sandesh J adkar	0040-6090	<i>Thin Solid Films</i>	704	137972	0	9	0	0	0	9
24	2020	Synthesis and implementation of polycrystalline ferrite material for smart sensor module	Patil, S.N, Deshpande, J.D, Tilekar, S.K, Ladgaonkar, B.P, Pawar, A.M.	2214-7853	<i>Materials Today: Proceedings</i>	43	-	0	2	0	0	0	2
25	2020	Achlya bisexualis (Achlyaceae, saprolegniales, oomycota) – A new record for India	Dubey, M.K., Gajbhiye, M.H., Upadhyay, R.S.	0029-5035	<i>Nova Hedwigia</i>	111	1-2	0	3	0	0	0	3
26	2020	Microsatellite Genotyping Corroborated Loss of Genetic Diversity in <i>Clarias batrachus</i> as a Result of Lack of Regulatory Reforms in Aquaculture	Anita Tiknaik, Chandraprakash Khedkar, Gulab Khedkar, Bharathi Prakash, Dadala Mary Mamatha, Deepali Sangale & Amol Kalyankar	1573-4927.	<i>Biochemical Genetics</i>	58	4	0	2	0	0	0	2
27	2020	Synthesis of novel xanthene based analogues: Their optical properties, jack bean urease inhibition and molecular modelling	Balasaheb D. Vanjare , Prasad G. Mahajan, Nilam C. Dige , Hussain Raza , Mubashir Hassan , Sung-Yum Seo , Ki Hwan Lee	1873-3557.	<i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i>	241	118667	0	9	0	0	0	9



		studies											
28	2020	Synthesis and biological evaluation of 1,2,4-triazolidine-3-thiones as potent acetylcholinesterase inhibitors: in vitro and in silico analysis through kinetics, chemoinformatics and computational approaches	Prasad G Mahajan, Nilam C Dige , Balasaheb D Vanjare , Hussain Raza , Mubashir Hassan , Sung-Yum Seo, Chong- Hyeak Kim, Ki Hwan Lee	1573-501X	<i>Molecular Diversity</i>	24	4	0	11	0	0	0	11
29	2020	Synthesis and characterization of new 4H-chromene-3-carboxylates ensuring potent elastase inhibition activity along with their molecular docking and chemoinformatics properties	Dige NC, Mahajan PG, Raza H, Hassan M, Vanjare BD, Hong H, Lee KH, Latip J, Seo SY	0045-2068	<i>Bioorganic Chemistry</i>	100	103906	0	19	0	0	0	19
30	2020	Chelation enhanced fluorescence of rhodamine based novel organic nanoparticles for selective detection of mercury ions in aqueous medium and intracellular cell imaging	Prasad G. Mahajan, Jin Sik Shin, Nilam C. Dige , Balasaheb D. Vanjare, Yohan Han, Nam Gyu Choi, Song Ja Kim, Sung Yum Seo, Ki Hwan Lee	1010-6030	<i>Journal of Photochemistry and Photobiology A: Chemistry</i>	397	112579	0	19	0	0	0	19
31	2020	Synthesis and Biological Activities of Novel Aryldiazo Substituted	Korade, S. N., Patil, J. D., Gaikwad, D. S., Sonawane, S. A., Vibhute, S. P., Dige, N.	0885-6672	<i>Organic Preparations and Procedures</i>	52	2	0	4	0	0	0	4





		Heterocycles	C.,Pore, D. M		<i>International</i>								
32	2020	Design and Synthesis of New Porphyrin Analogues as Potent Photosensitizers for Photodynamic Therapy: Spectroscopic Approach	Prasad G Mahajan, Nilam C Dige, Balasaheb D Vanjare, Chong-Hyeak Kim, Sung-Yum Seo, Ki Hwan Lee	1053-0509	<i>Journal of Fluorescence</i>	30	2	0	24	0	0	0	24
33	2019	Sequential photocatalysis and biological treatment for the enhanced degradation of the persistent azo dye methyl red	Tatoba Waghmode, Mayur Kurade, Ramchandra T. Sapkal, Chandrakant H. Bhosale, Byong-Hun Jeon, Sanjay P Govindwar	0304-3894	<i>Journal of Hazardous Materials</i>	371	-	138	0	0	0	0	138
34	2019	Biosynthesized Co-doped TiO <sub>2</sub> nanoparticles based anode for lithium-ion battery application and investigating the influence of dopant concentrations on its performance	Anil A. Kashale, Akash S. Rasal, Gokul P. Kamble, Vijay H. Ingole, Pravin K. Dwivedi, Swapnil J. Rajoba, Lata D. Jadhav, Yong-Chien Ling, Jia-Yaw Chang, Anil V. Ghule	1879-1069	<i>Composites Part B: Engineering</i>	167	-	50	0	0	0	0	50
35	2019	Influence of synthesis parameters on the physicochemical and electrochemical properties of LiFePO <sub>4</sub> for Li-ion battery	Swapnil J. Rajoba, Lata D. Jadhav, Ramchandra S. Kalubarme, Sanket N. Yadav	0925-8388	<i>Journal of Alloys and Compounds</i>	774	-	17	0	0	0	0	17



36	2019	Effect of Sm <sup>3+</sup> substitution on the structural and magnetic properties of Ni-Co nanoferrites	M.K. Kokare, Nitin A. Jadhav, Vijay Singh, S.M. Rathod	0030-3992	Optics & Laser Technology	112	-	28	0	0	0	0	28
37	2019	Green approach to phytopathogen: Characterization of lytic bacteriophages of Pseudomonas sp., an etiology of the bacterial blight of pomegranate	Jagdale, S., Ahiwale, S., Gajbhiye, M., Kapadnis, B.	0944-5013	<i>Microbiological Research</i>	228	126300	6	0	0	0	0	6
38	2019	First Report of Corynespora cassiicola Causing Fruit Rot of Pomegranate in India, Its Morphological and Molecular Characterization	Gajbhiye, M., Kapadnis, B.	2250-1754	<i>National Academy Science Letters</i>	42	3	4	0	0	0	0	4
39	2019	Facile synthesis of new quinazolinone benzamides as potent tyrosinase inhibitors: Comparative spectroscopic and molecular docking studies	Prasad G. Mahajan, Nilam C. Dige, Balasaheb D. Vanjare, Hussain Raz a, Mubashir Hassan, Sun g-Yum Seo, Chong-Hyeak Kim, Ki Hwan Lee	0022-2860	<i>Journal of Molecular Structure</i>	1198	126915	27	0	0	0	0	27



40	2019	Nano molar level chromogenic and fluorogenic sensing of heavy metal ions using multi-responsive novel Schiff base as a dual mode chemosensor	Prasad G. Mahajan, Nilam C. Dige, Balasaheb D. Vanjare, Eswaran Ka maraj, Sung- Yum Seo, Ki Hwan Lee	1010-6030	<i>Journal of Photochemistry and Photobiology A: Chemistry</i>	385	112089	17	0	0	0	0	17
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Out of 40 documents (Scopus) considered for the h-index, 14 have been cited at least 14 times. =h-index=14



## Bibliometrics of the publications during the last five years based on Web of Science-h-index of the institution

### Web of Science

Sr. No	Year	Research Paper Title	Authors	ISSN	Journal Title	Volume	Issue	Citations					Total
								2019	2020	2021	2022	2023	
1	2023	Lactic Acid Bacteria in the Management of Oily Spot Disease of Pomegranate	Gajbhiye, Milind H, Bankar, Ashok V, Kapadnis, Balu P.	1432-0991	Current Microbiology	80	1	0	0	0	0	4	4
2	2022	Binder free cobalt iron phosphate thin films as efficient electrocatalysts for overall water splitting	Khalate, S.A, Kadam, S.A, Ma, Y.R, Kulkarni, S.B; Parale, V.G, Patil, U.M	0021-9797	Journal of Colloid and Interface Science	613	-	0	0	0	29	0	29
3	2022	Nanoparticle Engineered Photocatalytic Paints: A Roadmap to Self-Sterilizing against the Spread of Communicable Diseases	Mohite, V.S, Darade, M.M, Sharma, R.K, Pawar, S.H	2073-4344	Catalysts	12	3	0	0	0	10	0	10
4	2021	Synthesis and Electrochemical Performance of Mesoporous NiMn <sub>2</sub> O <sub>4</sub> Nanoparticles as an Anode for Lithium-Ion Battery	Rajoba, S.J, Kale, R.D, Kulkarni, S.B, Parale, V.G, Patil, R, Olin, H, Park, H.H, Dhavale, R.P, Phadatare, M	2504-477X	Journal of Composites Science	5	3	0	0	15	0	0	15



5	2021	Structural, Morphological, and Vibrational Properties of Porous $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> Nanoparticles Prepared by Combustion method	Rajoba, S.J, Badabade, A.R, Pingale, P.C, Kale, R.D	1521-3900	Macromolecular Symposia	400	1	0	0	1	0	0	1
6	2021	Synthesis and Electrochemical Performance of Mesoporous NiMn <sub>2</sub> O <sub>4</sub> Nanoparticles as an Anode for Lithium-Ion Battery	Rajoba, SJ, Kale, RD, Kulkarni, SB, Parale, VG, Patil, R, Olin, H, Park, HH, Dhavale, RP, Phadatare, M	2504-477X.	Journal of Composites Science	5	3	0	0	15	0	0	15
7	2021	Novel rhodamine based chemosensor for detection of Hg <sup>2+</sup> : Nanomolar detection, real water sample analysis, and intracellular cell imaging	Vanjare, B.D, Mahajan, P.G, Ryoo, H.I, Dige, N.C, Choi, N.G, Han, Y, Kim, S.J, Kim, C.H, Lee, K.H	1873-3077	Sensors and Actuators B-Chemical	330	-	0	0	43	0	0	43
8	2021	Novel 1,2,4-triazole analogues as mushroom tyrosinase inhibitors: synthesis, kinetic mechanism, cytotoxicity and computational studies	Vanjare, B.D, Mahajan, P.G, Dige, N.C, Raza, H, Hassan, M, Han, Y, Kim, S.J, Seo, S.Y, Lee, K.H	1573-501X	Molecular Diversity	25	4	0	0	22	0	0	22
9	2021	Lactococcus lactis subsp. cremoris of Plant Origin Produces Antifungal Cyclo-(Leu-Pro) and Tetradecanoic Acid	Gajbhiye, M, Kapadnis, B	0973-7715	Indian Journal of Microbiology	61	1	0	0	11	0	0	11



10	2020	Synthesis and biological evaluation of 1,2,4-triazolidine-3-thiones as potent acetylcholinesterase inhibitors: in vitro and in silico analysis through kinetics, chemoinformatics and computational approaches	Mahajan, P.G, Dige, N.C, Vanjare, B.D, Raza, H, Hassan, M, Seo, S.Y, Kim, C.H, Lee, K.H	1573-501X	Molecular Diversity	24	4	0	9	0	0	0	9
11	2020	Synthesis and characterization of new 4 H -chromene-3- carboxylates ensuring potent elastase inhibition activity along with their molecular docking and chemoinformatics properties	Dige, N.C, Mahajan, P.G, Raza, H, Hassan, M, Vanjare, B.D, Hong, H, Lee, K.H, Latip, J, Seo, S.Y	0045-2068	Bioorganic Chemistry	100	-	0	17	0	0	0	17
12	2020	Chelation enhanced fluorescence of rhodamine based novel organic nanoparticles for selective detection of mercury ions in aqueous medium and intracellular cell imaging	Mahajan, P.G , Shin, J.S, Dige, N.C, Vanjare, B.D, Han, Y, Choi, N.G, Kim, S.J, Seo, S.Y, Lee, K.H	1010-6030	Journal of Photochemistry and Photobiology A-Chemistry	397	-	0	17	0	0	0	17
13	2020	Synthesis and Biological Activities of Novel Aryldiazo Substituted Heterocycles	Korade, S.N, Patil, J.D, Gaikwad, D.S, Sonawane, S.A, Vibhute, S.P, Dige, N.C, Mhaldar, P.M, Pore, D.M	0885-6672	Organic Preparations and Procedures International	52	2	0	3	0	0	0	3



14	2020	Design and Synthesis of New Porphyrin Analogues as Potent Photosensitizers for Photodynamic Therapy: Spectroscopic Approach	Mahajan, P.G , Dige, N.C, Vanjare, B.D, Kim, C.H, Seo, S.Y, Lee, K.H	1053-0509	Journal of Fluorescence	30	2	0	23	0	0	0	23
15	2020	Achlya bisexualis (Achlyaceae, Saprolegniales, Oomycota) - A new record for India	Dubey, M.K, Gajbhiye, M.H, Upadhyay, R.S	0029-5035	Nova Hedwigia	111	1-2	0	2	0	0	0	2
16	2019	Facile synthesis of new quinazolinone benzamides as potent tyrosinase inhibitors: Comparative spectroscopic and molecular docking studies	Mahajan, P.G, Dige, N.C, Vanjare, B.D, Raza, H, Hassan, M, Seo, S.Y, Kim, C.H, Lee, K.H	0022-2860	Journal of Molecular Structure	1198	-	28	0	0	0	0	28
17	2019	Nano molar level chromogenic and fluorogenic sensing of heavy metal ions using multi-responsive novel Schiff base as a dual mode chemosensor	Mahajan, P.G, Dige, N.C, Vanjare, B.D, Kamaraj, E, Seo, S.Y, Lee, K.H	1010-6030	Journal of Photochemistry and Photobiology A-Chemistry	385	-	17	0	0	0	0	17
18	2019	Novel Route for the Synthesis of 5-(4-Hydroxy-2-oxo-2H-chromen-3-yl)-1,3-dimethyl-1H-chromeno [2,3-d] pyrimidine-2,4	Dige, N.C, Mahajan, P.G, Dhokale, R.K, Chinchkar, S.M, Patil, M.V, Pore, D.M	0885-6672	Organic Preparations and Procedures International	51	6	4	0	0	0	0	4



		(3H,5H)-diones											
19	2019	Ultrasound mediated efficient synthesis of new 4-oxoquinazolin-3(4H-yl) furan-2-carboxamides as potent tyrosinase inhibitors: Mechanistic approach through chemoinformatics and molecular docking studies	Dige, N.C, Mahajan, P.G, Raza, H, Hassan, M, Vanjare, B.D, Hong, H, Lee, K.H, Latip, J, Seo, S.Y	0045-2068	Bioorganic Chemistry	92	-	19	0	0	0	0	19
20	2019	A nano sensor for sensitive and selective detection of Cu <sup>2+</sup> based on fluoresce in: Cell imaging and drinking water analysis	Mahajan, P.G, Dige, N.C, Vanjare, B.D, Eo, SH, Kim, SJ, Lee, K.H	1873-3557.	Spectrochimica Acta Part A- Molecular and Biomolecular Spectroscopy	216	-	22	0	0	0	0	22
21	2019	Synthesis and Studies on Photophysical Properties of Rhodamine Derivatives for Bioimaging Applications	Vanjare, B.D, Mahajan, P.G, Dige, N.C, Phull, A.R, Kim, S.J, Lee, K.H	0256-1115	Bulletin of The Korean Chemical Society	40	6	8	0	0	0	0	8
22	2019	A potential mediator for photodynamic therapy based on silver nanoparticles functionalized with porphyrin	Mahajan, P.G, Dige, N.C, Vanjare, B.D, Eo, S.H, Seo, S.Y, Kim, S.J, Hong, S.K, Choi, C.S, Lee, K.H	1010-6030	Journal of Photochemistry and Photobiology A-Chemistry	377	-	21	0	0	0	0	21
23	2019	Gallotannin functionalized gold nanoparticles for rapid, selective and sensitive	Mahajan, P.G, Dige, N.C, Vanjare, B.D, Hong, S.K, Lee, K.H	0925-4005	Sensors and Actuators B-Chemical	281	-	19	0	0	0	0	19





		colorimetric detection of Ag <sup>+</sup> in aqueous medium: Approach to eco-friendly water analysis											
24	2019	Gallotannin mediated silver colloidal nanoparticles as multifunctional nano platform: Rapid colorimetric and turn-on fluorescent sensor for Hg <sup>2+</sup> , catalytic and In vitro anticancer activities	Mahajan, P.G, Dige, N.C, Vanjare, B.D, Phull, A.R, Kim, S.J, Lee, K.H	1872-7883	Journal of Luminescence	206	-	11	0	0	0	0	11
25	2019	First Report of <i>Corynespora cassiicola</i> Causing Fruit Rot of Pomegranate in India, Its Morphological and Molecular Characterization	Gajbhiye, M, Kapadnis, B	2250-1754	National Academy Science Letters-INDIA	42	3	3	0	0	0	0	3
26	2019	Green approach to phytopathogen: Characterization of lytic bacteriophages of <i>Pseudomonas</i> sp., an etiology of the bacterial blight of pomegranate	Jagdale, S, Ahiwale, S, Gajbhiye, M, Kapadnis, B	0944-5013	Microbiological Research	228	-	3	0	0	0	0	3



Out of 26 documents (Web of Science) considered for the h-index, 14 have been cited at least 14 times **h-index = 14**

**Calculations= h-index (Scopus) + h-index (Web of Science) during the last five years/2**

$$= (14+14)/2$$

**h-index = 14**



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