

LIST OF RESEARCH PUBLICATIONS BY DEPARTMENT OF CHEMISTRY

❖ Dr. Vidyagauri Lele (HOD – Chemistry Dept. and I/c. Principal)

Sr. No.	Title of Paper (With Volume No. & Page no.)	Journal	Authors	ISSN Number (For Print)	Impact Factor
1	Stability constants of complexes of some rare earth metals with nor-valine', <i>15</i> , 1015-1019 (1996).	<i>J. Chem. Engg. Data,</i>	V. D. Athawale and V. Lele	0021-9568	2.045
2	'Graft Copolymerization onto starch. II. Grafting of acrylic acid and preparation of hydrogels', V. D. Athawale and Vidyagauri Lele, <i>,35</i> , 21-27 (1998).	<i>Carbohydr. Polym.</i>	V. D. Athawale and V. Lele	0144-8617	3.916
3	Graft Copolymerization onto starch. 3. Grafting of acrylamide using ceric ion initiation and preparation of its hydrogels', <i>50(10)</i> , 426-431 (1998).	<i>Starch/Starke</i>	V. D. Athawale and V. Lele	0038-9056	1.401
4	Graft Copolymerization onto maize starch. I. Grafting of methacrylamide using ceric ammonium nitrate as an initiator', <i>34(2)</i> , 159-161 (1998).	<i>Eur. Polym. J.</i>	V. D. Athawale, S. C. Rathi and V. Lele	0014-3057	3.242
5	Syntheses and characterization of graft copolymers of maize starch and methacrylonitrile', <i>41 (4)</i> , 407-416 (1999).	<i>Carbohydr. Polym.</i>	V. D. Athawale and V. Lele	0144-8617	3.916
6	Factors influencing absorbent properties of saponified starch-g-(acrylic acid-co-acrylamide)', <i>77(11)</i> , 2480-2485(2000).	<i>J. Appl. Polym. Sci.</i>	V. D. Athawale and V. Lele	0021-8995	1.64
7	Thermal studies on granular maize starch and its graft polymers with vinyl monomers', <i>Starch/Starke</i> , <i>52</i> , 205-213 (2000).	<i>Starch/Starke</i>	V. D. Athawale and V. Lele	0038-9056	1.401

8	Recent Trends in hydrogels based on starch-graft-acrylic acid', 53 , 7-13 (2000).	<i>Starch/ Starke</i>	V. D. Athawale and V. Lele	0038-9056	1.401
9	Morphological study of graft copolymers of maize starch with acrylamide and Methacrylamide', 7(9), 19991-19994 (2015).	Int. J. Current Research	V. Lele	0975-833X	5.349
10	Grafting parameters of copolymers of insoluble potato starch with acrylic acid', 3(3) , 22-28 (2015).	Scholars World	V. Lele	2319-5789	3.552
11	Preparation of superabsorbents based on starch and vinyl monomers, accepted for publication. 3(4) , 42-46 (2015).	Scholars World	V. Lele	2319-5789	3.552
12	Graft copolymerization of methacrylic acid on to potato starch initiated by ceric ammonium nitrate, 7(7) , 17806-17810 (2015).	Int. J. Current Research	V. Lele and K. Baser	0975-833X	5.349
13	Emulsion liquid membrane extraction and determination of ampicillin with aliquot 336 and cyanex 301 as an extractant, 4(8) , 1970-77 (2015).	World J Pharmaceutical research	V. Lele, S. Mulla and S. Kulkarni,	2277-7105	5.990
14	Ceric ion initiated graft copolymerization of insoluble potato starch with acrylic acid, 1 (10), 107-110 (2015).	Int. J. Appl. Research	V. Lele	2394-7500	5.258
15	Emulsion liquid membrane extraction and determination of ciprofloxacin with aliquot 336, 4(10) , 2351-2354 (2015).	World J Pharmaceutical research	V. Lele, S. Mulla and S. Kulkarni,	2277-7105	6.8
16	Simultaneous estimation of benzyl chloride and benzyl bromide in entecavir by using high performance liquid chromatography, 5(10) , 635-643 (2016).	World J Pharmaceutical research	V. Lele and U. Dalvi	2277-7105	6.8

17	Morphological study of starch graft copolymers: grafting with methacrylic acid, 7(1) , 49-53 (2018).	Abhinav Journal of Science and Technology	V. Lele and K. Baser	2277-1174	2.1
18	Syntheses, Characterization and Applications of Graft Copolymers of Sago Starch: A Review, 1700133, 1-9 (2018).	Starch/Starke	V. Lele, S. Kumari and H. Niju	0038-9056	1.401
19	Graft Copolymerization of Acrylic Acid onto Native Starch, 7(4) , 15-19 (2018).	Abhinav Journal of Science and Technology	V. Lele and H. Niju	2277-1174	2.1
20	Graft Copolymerization of Acrylamide onto Starch: A Green Method, 7(4) , 9-14 (2018).	Abhinav Journal of Science and Technology	V. Lele and S. Kumari	2277-1174	2.1
21	A Simple and sensitive RP-HPLC method for trace-level quantification of 2-Amino pyridine in antifungal drug products, 9 (3) , 717-725 (2019).	International journal of Basic and Applied Research	V. Lele and U. Dalvi	2249-3352	5.86
22	Grafting onto potato Starch III- Syntheses and Characterization of Methacrylic acid grafted Potato Starch, 6(2) , 216-225 (2019).	International Journal of Advance and Innovative Research	K. Baser and V. Lele	2394-7780	7.36

❖ Research Publications as Sole Author by International Publisher (By Dr. Vidyagauri Lele)

Sr. No.	TITLE OF BOOK	Whether Peer Reviewed	ISBN NO.	Publisher
1	Chemical Modification of starch by Green Process.	Yes	9788193031483	Techno World Press

2	Graft Copolymers of Starch: Synthesis and Characterization.	Yes	9789383784127	Neeraj Publishing House
---	-------------------------------------------------------------	-----	---------------	-------------------------

❖ Papers/Poster presented in Conferences, Seminars, Workshops, Symposia (By Dr. Vidyagauri Lele)

Sr. No	Title of the Paper/Poster presented	Title of Conference / Seminar	Date of the event	Organized by	Level
1	Grafting of soluble monomer onto Maize starch: optimization of parameters.	Research Scholar Meet	8-9 Jan 1999	Indian Chemical Society	Regional
2	Innovative Practises for overall development of students.	Reaccreditation-A process towards Quality Enhancement	25-26 April 2009	C. K. T. College, Panvel	National
3	Environmental Pollution: Role of Polymers.	Environmental Pollution and Monitoring	17-18 Sept 2010	C. K. T. College, Panvel	National
4	Application of Nano Technology in Chemistry.	Nano Technology: Fundamentals and Applications	27-28 April 2012	C. K. T. College, Panvel	National
5	Polymer Degradation.	Nanoscience- A science of twenty first century	29 Nov 2014	M. P. A. S. C. College, Panvel	National
6	Graft Copolymerization Of Vinyl Monomer Onto Starch- A Green Approach'.	Functional Materials @ Nanoscale: Concerns & Challenges, during atorganised by	9-11 Mar 2015,	KBP College, Pandharpur,	International

7	Determination of health Status of girl students of degree college.	Role of Best Practices in Quality Enhancement and Sustenance in Higher Education Institutions	24-25 April 2015	C. K. T. College, Panvel	National
8	Gender discrimination-A cause for anemia in girl students.	New trends in Humanities, Gender and Cultural studies	9-10 Oct 2015	N. G. Acharya & D. K. Marathe College, Chembur, Mumbai	International
9	Innovative methods in teaching chemistry to undergraduate classes.	Innovative methods in Chemistry Education	8-10 Oct 2015	University of Lucknow, Lucknow	National
10	Graft copolymerization of Methacrylic acid on to potato starch initiated by ammonium per sulphate.	New Horizons in Synthetic and Materials Chemistry	26,27 and 28 th November 2015	University of Mumbai	International
11	Anaemia- a health concern in girl students of under graduate classes.	Transforming India- Transforming Lives	28 Nov 2015	Rajiv Gandhi College, Vashi, New Mumbai	National
12	Development and Validation of RP-HPLC For Simultaneous Estimation of Genotoxic Impurities in Antiviral Drug.	Recent Analytical Techniques in Quality Control in Food, Beverages and Natural Products	18-19 Dec 2015	S. H. Kelkar College, Devgad	National
13	Graft copolymerization of vinyl monomer on to native starch initiated by persulphate.	Advances in Material chemistry and Applications	21 and 22 nd December 2015	CKT College, Panvel	National

14	Grafting of vinyl monomer on starch.	Research Scholar Meet	17 th and 18 th February 2017	St. Xavier's College, Mumbai	Regional
15	Graft copolymerization of acrylamide onto starch –A green method.	Emerging Trends in Science	4 th March 2017	Acharya Marathe College, Chembur	National
16	Graft copolymerization of acrylic acid onto native starch.	Emerging Trends in Science	4 th March 2017	Acharya Marathe College, Chembur	National
17	Graft copolymerization of water insoluble vinyl monomer onto granular starch initiated by ceric ammonium nitrate.	Emerging Trends in Science	4 th March 2017	Acharya Marathe College, Chembur	National
18	Synthesis of starch graft copolymer initiated by ceric ammonium nitrate.	Avishkar –Research Convention: 2017-18	13 December 2017	Acharya Marathe College, Chembur	Regional
19	Characterization of starch graft copolymer initiated by ceric ammonium nitrate.	Emerging Trends in Material sciences	13 th January 2018	Vaze-Kelkar College, Mulund	National
20	Grafting of Insoluble vinyl monomer onto starch.	Changing Perspectives in Management, Humanities, Science and Technology	23 March 2019	A.E.Kalsekar College,(Mumbra) Thane	International

21	Grafting of vinyl monomer on starch-A green process.	Recent Innovations and Concerns of Green Chemistry towards Sustainability	17-18 th February, 2020	CKT College, A. Panvel	National
22	Characterization and biodegradation study of starch graft vinyl polymer	Covid-19 Perspective of Science and challenges	19 th and 20 th June 2020	Siddharth College, Fort	International

Invited lecture at Department of Chemistry, University of Nairobi, Nairobi, Kenya on 14 Oct 2015 and at Department of Chemistry, Tribhuvan University, Kathmandu, Nepal on 19 May 2017 on “Introduction to Polymer Chemistry with Special reference to starch graft copolymers”.

❖ Patents of Dr. Vidyagauri Lele

Sr. No.	Title of the Patent Filed	Status	Date of the event	Application no.	Authority
1	Analytical method for trace level quantification of 4-chloroaniline (PCA) and 3,4 dichloro aniline (3,4 DCA) in toothpaste	filed	In process	202021033869	Govt.of India, Intellectual Property Rights, Patent Office.

❖ Ms. Chhaya Pawar

Sr. No.	TITLE WITH PAGE NUMBERS with impact factor (in case of journal)	Journal	Authors	ISSN Number (For Print)	Impact Factor
---------	-----------------------------------------------------------------	---------	---------	-------------------------	---------------

1	Eugenol derivatives as future potential drug, 7(2), 14-20 (2018).	Abhinav Journal of Science and Technology	C. Pawar	2277-1174	2.1
---	-------------------------------------------------------------------	-------------------------------------------	----------	-----------	-----

❖ **Papers/Poster presented in Conferences, Seminars, Workshops, Symposia (Ms. ChhayaPawar):**

Sr. No.	Title of the Paper/Poster presented	Title of Conference / Seminar	Date of the event	Organized by	Level
1.	Synthesis of ether and ester derivative of Eugenol.	Emerging Trends in Science	4 th March 2017	Acharya Marathe college	National

❖ **Chapter in Text Book as Co-Author by National Publisher**

Sr. No.	TITLE OF BOOK	ISBN NO.	Publisher
1	F. Y. B. Sc. Inorganic and Organic Chemistry	978-93-5149-064-7	Sheth Publication

❖ **Dr. Manjusha Karad**

Sr. No.	TITLE WITH PAGE NUMBERS with impact factor (in case of journal)	Journal	Authors	ISSN Number (For Print)	Impact Factor
---------	-----------------------------------------------------------------	---------	---------	-------------------------	---------------

1	Study Of H ⁺ / Mg ²⁺ And H ⁺ / Ca ²⁺ Ion Exchange Reaction Systems Using Cation Exchange Resin Amberlite Ir-120 Vol. 25(3), 687-693 (2009).	Oriental Journal Of Chemistry	P.U. Singare ^{1*} , R.S. Lokhande ² And M.R. Dhatrak (M.D. Karad) ³	0970-020X	0.578
2	Spectrophotometric Determination Of An Antimalarial Drug Primaquine In Bulk And Pharmaceutical Formulations VOLUME 4, ISSUE 5, 2370-2377.	World Journal Of Pharmaceutical Research	ManjushaD.Karad and Dr.V.D. Barhate*	2277– 7105	6.8
3	Spectrophotometric Determination Of An Antidiabetic Drug Saroglitazar Bulk And Pharmaceutical Formulations 4 (06), 954-961 (2015).	World Journal Of Pharmacy And Pharmaceutical Science	ManjushaD.Karad and Dr.V.D. Barhate*	2278 – 4357	5.21
4	Spectrophotometric Determination Of An Antimalarial Drug Chloroquine In Bulk And Pharmaceutical Formulations 7 (3), 27-29(2015).	International Journal Of Current Pharmaceutical Research	ManjushaD.Karad and Dr.V.D. Barhate*	0975-7066	4.510
5	Development of Spectrophotometric method of Saroglitazar in Bulk and Pharmaceutical formulations using 1, 10 – phenanthroline 4(3), 548-553(2015).	International Journal Of Advances In Pharmacy, Biology And Chemistry	ManjushaD.Karad and Dr.V.D. Barhate*	2277 – 4688	4.976
6	Spectrophotometric Determination Of An Antidiabetic Drug Tenegliptin In Bulk And Pharmaceutical Formulations 5(5), 1625-1632 (2016).	World Journal Of Pharmaceutical Research	ManjushaD.Karad and Dr.V.D. Barhate*	2277-7105	6.805
7	Spectrophotometric Determination Of An Antidiabetic Drug Glimperide Bulk And Pharmaceutical Formulations 6(04), 7464-7467 (2016).	International Journal Of Development Research	ManjushaD.Karad and Dr.V.D. Barhate*	2230-9926	4.8

8	Spectrophotometric Determination Of An Antidiabetic Drug voglibose In Bulk And Pharmaceutical Formulations”.	Abhinav Journal of Science and Technology	ManjushaD.Karad and Dr.V.D. Barhate	7464-7467	2.1
---	--------------------------------------------------------------------------------------------------------------	-------------------------------------------	-------------------------------------	-----------	-----

❖ **Papers/Poster presented in Conferences, Seminars, Workshops, Symposia (by Dr. Manjusha Karad):**

Sr . No.	Title of the Paper/Poster presented	Title of Conference / Seminar	Date of the event	Organized by	Level
1	“Spectrophotometric Determination Of An Antimalarial Drug Chloroquine In Bulk And Pharmaceutical Formulations”.	International Symposium On New Horizons In Chemistry	8 th – 9 th December 2014	VES College Of Arts, Science And Commerce,Chembur	International
2	“Spectrophotometric Determination Of An Antidiabetic Drug Glimperide Bulk & Pharmaceutical Formulations”.	Science,sustaniability And Society In The Current Scenario;Challenges And Opportunities	20 th February 2016	Vikas College,Vikroli	International
3	“Spectrophotometric Determination Of An Antidiabetic Drug voglibose In Bulk And Pharmaceutical Formulations”.	Emerging Trends in Science	4 th March 2017	Acharya Marathe college, Chembur	National

❖ Chapter in Text Book as Co-Author by National Publisher

Sr. No.	TITLE OF BOOK	ISBN NO.	Publisher
1	T. Y. B. Sc. Organic Chemistry.	978-93-88671-01-9	Saujanya prakashan
2	T. Y. B. Sc. Drugs and Dyes.	978-93-88671-05-7	Saujanya prakashan

❖ Dr. Saira Mulla

Sr. No.	TITLE WITH PAGE NUMBERS with impact factor (in case of journal)	Journal	Authors	ISSN Number (For Print)	Impact Factor
1	'Effective separation of zirconium through emulsion liquid membrane', 417-419 (2011).	Journal BIONANO FRONTIERS	Saira B.Mulla	0974-0678	0.2334
2	'Development and validation of HPTLC method for the simultaneous determination of Roxithromycin and Ambroxol hydrochloride in combination dosage form', 2, 4-7(2012).	International Organization of Scientific Research Journal of Pharmacy	Saira B.Mulla	2250-3013	1.1
3	Emulsion Liquid Membrane extraction and determination of Cefadroxil with cyanex 301 as an extractant', 3, 30-32 (2012).	International Organization of Scientific Research Journal of Applied Chemistry	Saira B.Mulla	2250-3021	1.327
4	Synthesis, Isolation & Characterization of Isomeric impurity of Dutasteride', 3, 37-44 (2013).	International Organization of Scientific Research Journal of Applied Chemistry	Saira B.Mulla	2250-3021	1.327

5	Development and validation of HPTLC method for the simultaneous estimation of Naproxen and Pantoprazole in combined dosage form.,5(3),223-225(2013).	International Journal of Pharmacy and Pharmaceutical Sciences	Saira B.Mulla	0975-1491	3.86
6	Synthesis, isolation and characterization of hydrochlorothiazide dimer impurity.,5(3), 867-871(2013).	International Journal of Pharmacy and Pharmaceutical Sciences	Saira B.Mulla	0975-1491	3.86
7	Validated HPTLC Method for Simultaneous Determination of Ceftriaxone Sodium and Sulbactam Sodium in Combined dosage form', 9, 21-25 (2014).	International organization of Scientific Research Journal of Pharmacy & Biological Sciences	Saira B.Mulla	2278-3008	1.138
8	Validated HPTLC method for Simultaneous Determination of Cefoperazone Sodium and Sulbactam Sodium in Combined dosage form', 9, 21-25 (2014).	International organization of Scientific Research Journal of Pharmacy & Biological Sciences	Saira B.Mulla	2278-3008	1.138
9	'Synthesis, Isolation & Characterisation of Efavirenz In-process impurity due to the presence of tetrahydrofuran as solvent', 6, 425-431 (2014).	International Journal of Pharmacy & Pharmaceutical Sciences	Saira B.Mulla	0975-1491	1.59
10	Emulsion liquid membrane extraction and determination of ampicillin with aliquot 336 and cyanex 301 as an extractant, 4(8), 1970-77 (2015).	World Journal of Pharmaceutical Research	Vidyagauri Lele and Saira B. Mulla	2277- 7105	6.8
11	Emulsion liquid membrane extraction and determination of ciprofloxacin with aliquot 336, 4(10), 2351-2354 (2015).	World J Pharmaceutical research	V. Lele, S.Mulla and S. Kulkarni	2277-7105	6.8

12	Emulsion liquid membrane extraction and determination of ciprofloxacin with alamine-336 as an extractant, 4(7), 20-24 (2018).	Abhinav Journal of Science and Technology	Saira Mulla & Satyavan Varande	2277-1174	2.1
13	Emulsion liquid membrane extraction and determination of ciprofloxacin with cyanex 301 as an extractant, 3(5), 1-4 (2019).	International Journal of Research and Analytical Review	Saira Mulla & Satyavan Varande	2348-1269	5.75
14	Emulsion Liquid Membrane Extraction: Study of ampicillin extraction by ionic liquids.10(12), 632-637(2019).	Compliance Journal of Engineering	Saira Mulla	0898-3577	6.2

❖ Patents of Dr. Saira Mulla

Sr. No.	Title of the Patent Filed	Status	Date of the event	Application no.	Authority
1	A Membrane Separation Process.	Granted Under Patent Act, 1970	8-11-2012	679/MUM/2005	Govt.of India, Intellectual Property Rights, Patent Office.

❖ Papers/Poster presented in Conferences, Seminars, Workshops, Symposia (Dr. Saira Mulla):

Sr. No.	Title of the Paper/Poster presented	Title of Conference / Seminar	Date of the event	Organized by	Level
1	Emulsion liquid membrane extraction and determination of cefadroxil using Aliquat-336.	Advances in Material chemistry and Applications	21 st & 22 nd December 2015	CKT College, Panvel	National

2	Synthesis, Isolation & Characterisation of Isomeric impurity of Dutasteride’.	Chemistry Cutting Edge- Nano Green and Beyond.	6 th January 2014	St. Xavier College	International
3	’Development and validation of HPTLC method for the simultaneous determination of Roxithromycin and Ambroxol hydrochloride in combination dosage form.	Modern Research Trends in Science	22 nd January 2013	Paliwala College, Pali	National
4	Extraction and spectrophotometric determination of Mn(II) with benzaldehyde dithiocarbohydrazone.	Global Trends in Pure and Applied Chemical Sciences	3-4 th March 2012	Udaipur	International
5	Emulsion liquid membrane extraction and determination of cefadroxil with cyanex-301.	Sustainable Chemistry: Challenges and Opportunities	9 th January 2012	Osmanabad University	National
6	Effective separation of zirconium through emulsion liquid membrane.	Emerging techniques and applications in Engineering Science	3 rd February 2011	Sarasvati Eng. College, Kharghar	National
7.	Emulsion Liquid Membrane Extraction and determination of Ampicillin with Cyanex-301 as an extractant.	Emerging Trends in Science	4 th March 2017	Acharya Marathe college	National
8.	Extraction and separation of antibiotics from industrial effluent using emulsion liquid membrane technique.	Recent Innovations and Concerns of Green Chemistry towards Sustainability	17-18 th February, 2020	CKT College, Panvel	National
9.	Extraction of heavy metal from aqueous solution using palm oil-based emulsion and trihexyl (tetradecyl)phosphonium chloride as extractant.	Sustainable Development - A Green Approach	6 th March, 2021	Thakur College of Science & Commerce,	National

				Kandivali	
10.	Efficient chromatographic purification of by-products and impurities for structural elucidation.	Emerging Trends in Material Science (ETMS-2021).	22-23rd March , 2021	Maharashtra College ,Mumbai	International
11.	Synthesis, Isolation and Characterization of Hydrochlorothiazide Dimer Impurity	World Chemistry Conference (WCC 2021)	3-4th May , 2021	Wilson College, Mumbi	International

❖ **Book as Author by International Publisher**

Sr. No.	TITLE OF BOOK	ISBN NO.	Publisher
1	Guidelines to obtain Patent in India.	9789389744279	WALNUT Publications
2	Emulsion Liquid Membrane Technology: Separation of Some Compounds Of Biological Importance.	9786200532305	LAMBERT Publications

❖ **Mr. Pravin Bendle**

Sr. No.	TITLE WITH PAGE NUMBERS with impact factor (in case of journal)	Journal	Authors	ISSN Number (For Print)	Impact Factor
---------	-----------------------------------------------------------------	---------	---------	-------------------------	---------------

1	Evaluation of Antioxidant Capacity & Total Phenolic Content of Different Fractions of a Polyherbal Guggul Formulation.	Review Of ReseaRch	Pravin Bendle	2249-894X	5. 7631
2	Evaluation of Physicochemical and Phytochemical properties of Poly-herbal Formulation for Gout.	International Journal of Advance and Innovative Research	Pravin Bendle	2394-7780	7.36

❖ **Papers/Poster presented in Conferences, Seminars, Workshops, Symposia:**

Sr. No.	Title of the Paper/Poster presented	Title of Conference / Seminar	Date of the event	Organized by	Level
1	Phytochemical Screening of a polyherbal formulation containing Guggul.	RSM-2015	22/07/2015	K.J. Somaiya College, Mumbai	University
2	Evaluation of physicochemical & phytochemical properties of KaishoreGuggul an ayurvedicpolyherbal formulation.	Emerging Trends in Science	04/03/2017	Acharya Marathe College, Chembur	National
3	Evaluation of total phenolic content, flavonoid content and invitro antioxidant assay of kaishore guggul,a polyherbal formulation.	Emerging Trends in Material sciences	13/01/2018	Vaze Kelkar College, Mulund	National
4	Evaluation of antioxidant capacity & total phenolic content of different fractions of a polyherbal guggul formulation.	Recent trends in science	08 th and 09 th March 2019	J.S.M.College, Alibag	International

❖ **Ms. Kusum Baser**

Sr. No.	TITLE WITH PAGE NUMBERS with impact factor (in case of journal)	Journal	Authors	ISSN Number (For Print)	Impact Factor
1	Graft copolymerization of methacrylic acid on to potato starch initiated by ceric ammonium nitrate, 7(9) , 17806-17810 (2015).	International journal of current research	V. Lele and K. Baser	0975-833X	5.3
2	Morphological study of starch graft copolymers: grafting with methacrylic acid, 7(1) , 49-53 (2018).	Abhinav Journal of Science and Technology	V. Lele and K. Baser	2277-1174	2.1
3	Grafting onto potato Starch III- Syntheses and Characterization of Methacrylic acid grafted Potato Starch, 6(2) , 216-225 (2019) .	International Journal of Advance and Innovative Research	K. Baser and V. Lele	2394-7780	7.36

❖ **Papers/Poster presented in Conferences, Seminars, Workshops, Symposia:**

Sr. No.	Title of the Paper/Poster presented	Title of Conference / Seminar	Date of the event	Organized by	Level
1.	Graft copolymerization of Methacrylic acid on to potato starch initiated by ammonium per sulphate.	New Horizons in Synthetic and Materials Chemistry	26,27 and 28 th November 2015	University of Mumbai	International
2.	Graft copolymerization of vinyl monomer on to native starch initiated by persulphate.	Advances in Material chemistry and Applications	21 and 22 nd December 2015	CKT College, Panvel	National
3.	Grafting of vinyl monomer on starch.	RSM	17 th and 18 th February 2017	St. Xavier's College, Mumbai	State

4.	Graft copolymerization of water insoluble vinyl monomer onto granular starch initiated by ceric ammonium nitrate.	Emerging Trends in Science	4 th March 2017	Acharya Marathe College, Chembur	National
5.	Synthesis of starch graft copolymer initiated by ceric ammonium nitrate.	Avishkar –Research Convention: 2017-18	13 December 2017	Acharya Marathe College, Chembur	Regional
6.	Characterization of starch graft copolymer initiated by ceric ammonium nitrate.	Emerging Trends in Material sciences	13 th January 2018	Vaze-Kelkar College	National
7.	Grafting of Insoluble vinyl monomer onto starch.	Changing Perspectives in Management, Humanities, Science and Technology	23 March 2019	A. E. Kalsekar College,	International
8.	Grafting of vinyl monomer on starch- A green process.	Recent Innovations and Concerns of Green Chemistry towards Sustainability	17-18 th February, 2020	CKT College, Panvel	National
9.	Characterization and biodegradation study of starch graft vinyl polymer	Covid-19 Perspective of Science and challenges	19 th and 20 th June 2020	Siddharth College, Fort	International
10.	Enhancement in properties of starch	Futuristic Dimensions & Innovative Trends in Chemical Sciences	6 and 7 November	IPS academy , Indor	International
11.	Optimum conditions for grafting of starch and biodegradation study	International Conference on Emerging Novel Trends in Science for Human Welfare 2021	16 February 2021	JVMs Mehta College	International

Awards received by Ms. Kusum Baser : 2nd prize in Poster Presentation at C. K. T. College in National Conference.

3rd prize in poster Presentation at Vaze-Kelkar College in National Conference.

❖ **Mr. Satyavan Varande**

Sr. No.	TITLE WITH PAGE NUMBERS with impact factor (in case of journal)	Journal	Authors	ISSN Number (For Print)	Impact Factor
1.	Emulsion liquid membrane extraction and determination of ciprofloxacin with alamine-336 as an extractant, 4(7), 20-24 (2018).	Abhinav Journal of Science and Technology	Saira Mulla & Satyavan Varande	2277-1174	2.1
2.	Emulsion liquid membrane extraction and determination of ciprofloxacin with cyanex 301 as an extractant, 3(5), 1-4 (2019).	International Journal of Research and Analytical Review	Saira Mulla & Satyavan Varande	2348-1269	5.75

Updated till date 28th June 2021