

Curriculum Vitae



Dr. Harshkant O. Jethva

Professor

Crystal Growth Laboratory

Department of Physics

Saurashtra University

Rajkot - 360 005

Gujarat, INDIA

- (1) **Name** : Dr. Harshkant O. Jethva
- (2) **Gender** : Male
- (3) **Date of Birth** : 03-07-1973
- (4) **Resident Address** : Ratnam Royal Bungalows, Block No 3,
Madhapar Morbi Bypass Road, Opp. Maruti
Service Station, Rajkot 360006
- (5) **Department** : Physics Department, Saurashtra University, Rajkot.
- (6) **Present Designation** : Professor
- (7) **Official Address** : Department of Physics, Saurashtra University,
University Campus, University Road, Rajkot – 360005,
Gujarat, India
- (8) **Email** : hojethva@rediffmail.com
- (9) **Educational Qualifications** : M. Sc., Ph. D.

Examination	Name of the University	Year of Passing	Percentage	Class	Subject
M. Sc.	Saurashtra University, Rajkot	May 1995	66.15	First	Physics
Degree	Name of the University	Registration No and Date	Declaration of Result (No and Date)	Title	
Ph. D.	Saurashtra University, Rajkot	5138, 01/01/2013	152, 10/07/2015	Growth and characterization of lead-cadmium and other mixed levo-tartrate crystals	

(10) Field of Specialization under the Subject / Discipline:

Physics / Materials Science, Focused on Crystal Growth and Characterizations

- (11) **Teaching Experience** :
- (1) Lecturer (Physics) Maharaja Shree Mahendrasinhji Science College, Morbi, Gujarat, From 19-09-1996 to 18-09-2002
 - (2) Senior Lecturer (Physics) Maharaja Shree Mahendrasinhji Science College, Morbi, Gujarat From 19-09-2002 to 31-12-2005
 - (3) Assistant Professor (Physics) Maharaja Shree Mahendrasinhji Science College, Morbi, Gujarat From 01-01-2006 to 18-09-2010
 - (4) Associate Professor (Physics) Maharaja Shree Mahendrasinhji Science College, Morbi, Gujarat From 19-09-2010 to 08-08-2016
 - (5) Associate Professor, Physics Department, Saurashtra University, Rajkot, Gujarat From 09-08-2016 to 16-10-2020

: (6) Professor, Physics Department, Saurashtra University,
Rajkot, Gujarat, From 17-10-2020

Total Teaching Experience: 29 year

Publications :

Sr No	Title of the paper	Name of Journal, ISSN and IF	Authors	Volume, year and page No
1	Growth and Characterization of Lead Tartrate Crystals	Asian Journal of Chemistry, 0975427X (Online), 09707077 (Print), IF 1.68	H. O. Jethva , M. V. Parsania	22(8), 2010, 6317-6320
2	FT-IR Spectroscopic and XRD Studies on Tris-Thiourea Strontium Chloride Single Crystals	Materials Science Research India, Online ISSN: 2394-0565	H. O. Jethva , R. R. Hajiyan	https://dx.doi.org/10.13005/msri/080129 8(1) (2011) 201-204
3	The roles of gel medium and gelling solution in the growth of the crystals: A case study of calcium levo-tartrate	Archives of Physics Research, EISSN 09760970, IF 4.13	Poorvesh M. Vyas, H. O. Jethva , S. J. Joshi, M. J. Joshi	4(6), 2013, 9-15
4	FTIR and thermal studies of gel-grown, lead-cadmium-mixed levo tartrate crystals	Journal of Thermal Analysis and Calorimetry, 13886150 (Print), 15882929 (Web) IF 4.755	H. O. Jethva , P. M. Vyas, K. P. Tank, M. J. Joshi	117(2), 2014, 589-594, doi: 10.1063/1.4946278
5	Structural, Spectroscopic, Magnetic and Thermal Studies of Gel-Grown Copper Levo-Tartrate and Copper Dextro-Tartrate Crystals	Journal of Applied Physics, EISSN: 2278-4861	H. O. Jethva , R. M. Dabhi, M. J. Joshi	DOI: 10.9790/4861-0803033342 8(3) (2016) 33-42
6	Impedance and modulus spectroscopic study of nano hydroxyapatite	AIP Conference Proceedings, EISSN 15517616, PISSN 0094243X	B. V. Jogiya, H. O. Jethva , K. P. Tank, V. R. Raviya, M. J. Joshi	1728, 2016, 020227, doi: 10.1063/1.4946278
7	Impedance Spectroscopy of Sodium Sulphide Added ADP Crystals	Mechanics, Materials Science & Engineering, 24125954 (Print), 24146935 (Online)	A.P. Kochuparampil, J.H. Joshi, H. O. Jethva , M.J. Joshi	9(2), 2017, 25-30, DOI 10.2412/mmse.4.87.814
8	Structural, Spectroscopic, Thermal and SHG Efficiency Studies of L-Phenylalanine Doped KDP Crystals	Mechanics, Materials Science & Engineering, 24125954 (Print), 24146935 (Online)	D.D. Khunti, J.H. Joshi, H.O. Jethva , M.J. Joshi, K.D. Parikh	2017, DOI 10.2412/mmse.4.93.354
9	Gel Growth: A Brief Review	Mechanics, Materials Science & Engineering, 24125954 (Print), 24146935 (Online)	H. O. Jethva	9, 2017, 255-260, DOI 10.2412/mmse.64.79.613

10	Structural, Spectroscopic, Thermal studies of Pure and DL-Methionine Doped ADP Crystals	Mechanics, Materials Science & Engineering, 24125954 (Print), 24146935 (Web)	J.H. Joshi, H. O. Jethva , P.T. Bagda, K. Ashish Prasad, M.J. Joshi	9(2), 2017, 20-24, DOI 10.2412/mmse.42.48.140
11	Structural, Spectroscopic and Thermal Studies of Potassium Di-Hydrogen Citrate Crystal	Mechanics, Materials Science & Engineering, 24125954 (Print), 24146935 (Web)	N.D. Pandya, J.H. Joshi, H. O. Jethva , M.J. Joshi	2017, 16-20, DOI 10.2412/mmse.6.81.837
12	Dielectric relaxation, complex impedance and modulus spectroscopic studies of mix phase rod like cobalt sulfide nanoparticles	Materials Research Bulletin, ISSN 00255408, IF 5.6	J.H. Joshi, D. K. Kanchan, M. J. Joshi, H. O. Jethva , K. D. Parikh	http://dx.doi.org/10.1016/j.materresbull.2017.04.013 93, 2017, 63-73
13	Powder XRD, TEM, FTIR and thermal studies of strontium tartrate nano particles	AIP Conference Proceedings, EISSN 15517616, PISSN 0094243X	U. M. Lathiya, H. O. Jethva , M. J. Joshi, P. M. Vyas	1837, 2017, 40015-1 to 40015-3, http://dx.doi.org/10.1063/1.4982099
14	Vickers Micro-Hardness Studies of Mn ⁺⁺ And Cu ⁺⁺ Doped Calcium Levo-Tartrate Tetrahydrate Single Crystals	Journal of Applied Physics, EISSN: 2278-4861	S. R. Suthar, H. O. Jethva , M. J. Joshi	DOI: 10.9790/4861-1002010512 10(2) (2018) 05-12
15	Growth and characterization of zinc doped bis-thiourea strontium chloride	AIP Conference Proceedings, EISSN 15517616, PISSN 0094243X	Rakesh Hajiyani, Bhoomika Jogiya, Chetan Chauhan, Harshkant Jethva , M.J.Joshi	2018, 1942, 100003-1 to 100003-4, https://doi.org/10.1063/1.5028968
16	Effect of Sr ²⁺ on growth and properties of ammonium dihydrogen phosphate single crystal	Journal of Materials Science: Materials in Electronics, EISSN 1573482X, IF 2.8	J. H. Joshi, K. P. Dixit, K. D. Parikh, H. O. Jethva , D. K. Kanchan, S. Kalainathan, M. J. Joshi	https://doi.org/10.1007/s10854-018-8556-8 29(7), 2018, 5837-52
17	Dielectric relaxation, protonic defect, conductivity mechanisms, complex impedance and modulus spectroscopic studies of pure and L-threonine-doped ammonium dihydrogen phosphate	Ionics, EISSN 18620760, IF 2.8	J. H. Joshi, D. K. Kanchan, H. O. Jethva , M. J. Joshi, K. D. Parikh	https://doi.org/10.1007/s11581-018-2461-2 24(7), 2018, 1995-2016
18	Growth and Characterization of Ag ⁺ doped Ammonium Pentaborate Single Crystals	International Journal of Scientific Research and Reviews, ISSN 22790543	A.P. Kochuparampil, J.H. Joshi, H.O. Jethva , M.J. Joshi	7(1), 2018, 267-275
19	Synthesis and Characterization of Iron Tartrate Nanoparticles	Asian Journal of Chemistry, IF 1.68 0975427X (Web),	U.M. Lathiya, P.M. Vyas, H.O. Jethva , M.J.	https://doi.org/10.14233/ajchem.2018.21615

		09707077 (Print)	Joshi, G. M. Joshi	30(12), 2018, 2754-2760
20	Impedance, Modulus and Spectroscopic Analysis of Gel-Grown Pure Lead Levo-Tartrate Crystals	Bulgarian Journal of Physics, ISSN 13100157 (Print), 13142666 (Web)	H. O. Jethva , M. J. Joshi	45, 2018, 275-284
21	Raman, photoluminescence, and a.c. electrical studies of pure and L-serine doped ammonium dihydrogen phosphate single crystals: an understanding of defect chemistry in hydrogen bonding	New Journal of Chemistry, ISSN 11440546 (Print), 13699261 (Web), IF 3.591	J. H. Joshi, G. M. Joshi, M. J. Joshi, H. O. Jethva , K. D. Parikh	DOI: 10.1039/c8nj03393e 42, 2018, 17227-17249
22	The effect of adding zinc sulphide nano-particles on structural, functional, thermal, dielectric, impedance and nonlinear optical properties of ammonium pentaborate crystals	Journal of Physics and Chemistry of Solids, ISSN 00223697, IF 4	A.P. Kochuparampil, J. H. Joshi, K.R. Rathod, H.O. Jethva , M.J. Joshi	https://doi.org/10.1016/j.jpcs.2019.02.005 129, 2019, 424-433
23	Modification in structural, functional, thermal, dielectric, impedance and nonlinear optical properties of ammonium pentaborate crystal by addition of di-sodium sulphide nanoparticles	Modern Physics Letters B, ISSN 02179849 (Print), 17936640 (Online), IF 1.948	A. P. Kochuparampil, J. H. Joshi, H. O. Jethva , M. J. Joshi	DOI: 10.1142/S0217984919500842 33(7), 2019, 1950084(1-18)
24	Knoop micro-hardness studies on (110) surface of gel grown strontium tartrate di-hydrate crystal	Indian Journal of Pure and Applied Physics, ISSN 09751041, IF 0.846	Sherly Josepha*, H O Jethva & M J Joshi	57, 2019, 278-284
25	Effect of Cr ³⁺ on growth, thermal, photoluminescence and electrical properties of potassium dihydrogen citrate single crystal	Materials Research Express, ISSN 20531591, IF 2.3	N.D.Pandya, J.H.Joshi, M.J. Joshi, D.K.Kanchan, Y.H.Gandhi, H.O.Jethva	https://doi.org/10.1088/2053-1591/ab239a 06, 2019, 086324 (1 to 14)
26	Growth Inhibition Study of Urinary Type Brushite Crystal Using Potassium Dihydrogen Citrate Solution	AIP Conference Proceedings, EISSN 15517616, PISSN 0094243X	Amit Bhojani, Harshkant Jethva , Mihir Joshi	https://doi.org/10.1063/1.5113256 2115, 2019, 030417 (1 to 4)
27	Structural, magnetic and dielectric studies of siderite nano-particles synthesized by hydrothermal method	Modern Physics Letters B, ISSN 02179849 (Print), 17936640 (Web), IF 1.948	Mahatta Oza, H. O. Jethva , D. K. Kanchan, H. H. Joshi, M. J. Joshi	DOI: 10.1142/S0217984919504293 33(34), 2019, 1950429-1 to 1950429-14

28	Growth and characterization of pure and picric acid doped ADP single crystals	Chinese Journal of Physics, ISSN 05779073, IF 5	J.H. Joshi, K.V. Vadhel, G.M. Joshi, S. Kalainath, M.J. Joshi, H.O. Jethva , K.D. Parikh	https://doi.org/10.1016/j.cjph.2019.12.023 64, 2020, 138-162
29	EDAX, FTIR, Powder XRD and Thermal studies of pure and mixed levo-tartrate crystals cobalt cadmium	Journal of Applied Physics, EISSN: 2278-4861	N. H. Manani, H. O. Jethva , M. J. Joshi	DOI: 10.9790/4861-1201022533 12(1) (2020) 25-33
30	Dielectric Relaxation, Conductivity Mechanism and Complex Impedance Spectroscopic Studies of Pure and Cadmium Mixed Cobalt Levo-Tartrate Crystals	International Journal of Scientific Research in Physics and Applied Sciences, ISSN 23483423	N. H. Manani, H. O. Jethva , M. J. Joshi	8(1), 2020, 8-15
31	Hydrothermally Synthesized Sphero-cobaltite Nano-Particles	Journal of Superconductivity and Novel Magnetism, ISSN 15571947, IF 1.8	Mahatta Oza, H. O. Jethva , D. K. Kanchan, M. J. Joshi	https://doi.org/10.1007/s10948-020-05486-2 33, 2020, 2459-2467
32	The complex impedance, dielectric relaxation, complex modulus and photoluminescence studies of pure and L-Methionine doped ammonium dihydrogen phosphate	Chinese Journal of Physics, ISSN 05779073, IF 5	J.H. Joshi, K.V. Vadhel, G.M. Joshi, M.J. Joshi, H.O. Jethva , K.D. Parikh	https://doi.org/10.1016/j.cjph.2020.03.001 65, 2020, 268-291
33	Crystal growth and properties measurements of nickel doped potassium dihydrogen citrate crystals	Journal of Materials Science: Materials in Electronics, EISSN 1573482X, IF 2.8	N. D. Pandya, J. H. Joshi, H. O. Jethva , M. J. Joshi	https://doi.org/10.1007/s10854-021-05580-8 32, 2021, 9126-9148
34	Structural, dielectric and ac electrical properties of nano-structured Mn _{0.6} Co _{0.2} Ni _{0.2} Fe ₂ O ₄ ternary ferrite synthesized by citrate-gel auto-combustion technique	Indian Journal of Pure & Applied Physics, ISSN 09751041, IF 0.846	Laxmi J Hathiya, J D Baraliya, H O Jethva , H H Joshi	60, 2022, 59-71
35	Studies of Structural, Optical and Electrical Properties of Pure and l-ornithine Monohydrochloride Doped KDP Crystals	International Journal of Scientific Research in Physics and Applied Sciences, ISSN 23483423	H. Bhuva, K.V. Vadhel, M.J. Joshi, H.O. Jethva	10(3), 2022, 1-14
36	Growth and characterization of pure and l-ornithine monohydrochloride doped ADP crystals	International Journal of Scientific Research in Physics and Applied Sciences,	K.V. Vadhel, V.J. Pandya, M.J. Joshi, H.O. Jethva	10(3), 2022, 19 -25

		ISSN 23483423		
37	Growth and characterization of compound crystal of magnesium sulphate heptahydrate and threonine	International Journal of Scientific Research in Physics and Applied Sciences, ISSN 23483423	D.B. Mankad, M. J. Joshi, H. O. Jethva	10(3), 2022, 42 -48
38	Synthesis, structural, FTIR and UV-vis spectroscopic, thermal and dielectric studies of magnesium ion doped nickel pyrophosphate nanoparticles	Materials Today: Proceedings, ISSN 22147853	Pushpkant Solanki, Mahatta Oza, Harshkant Jethva , Girish Joshi, Mihir Joshi	https://doi.org/10.1016/j.matpr.2022.07.320 67, 2022, 879-886
39	The influence of l-ornithine monohydrochloride on growth and various properties of ammonium dihydrogen phosphate crystals	Optical Materials, ISSN 09253467, IF 3.08	K.V. Vadhel, J.H. Joshi, A.P. Kochuparampil, S. Kalainathan, M.J. Joshi, H.O. Jethva	https://doi.org/10.1016/j.optmat.2022.113136 134, 2022, 113136
40	Nickel Pyrophosphate Nanoparticles: Synthesis, Structural, Thermal, Spectroscopic, and Dielectric Studies	NANO: Brief Reports and Reviews, ISSN 1793-2920	P. D. Solanki, Mahatta H. Oza, H. O. Jethva , Jaydeep Joshi, Girish Joshi, R. Jayavel and M. J. Joshi	DOI: 10.1142/S1793292022500497 17(5) (2022) 2250049
41	Synthesis, structural, FTIR, UV-Vis spectroscopic, thermal and BET studies of magnesium ion doped strontium pyrophosphate nanoparticles	ECS Journal of Solid State Science and Technology, ISSN 21628777, IF 2.07	P. D. Solanki, M. H. Oza, Girish Joshi, H. O. Jethva , M. J. Joshi	DOI: 10.1149/2162-8777/acbc98 12(3), 2023, 031001
42	EDAX, Thermal, UV-Vis and SHG studies of pure and creatinine doped KDP crystals	Journal of Physics and Chemistry of Materials, ISSN 23486341	H. Buuva, H. O. Jethva	10(1), 2023, 01-06
43	Structural, Raman, optical and electrical studies of pure and compound crystal of magnesium sulphate heptahydrate and threonine	Optik, ISSN 00304026, IF 3.1	D. B. Mankad, H. Bhuva, K. V. Vadhel, Oza Mahatta, Vimal Joshi, Sahaj Gandhi and H. O. Jethva	https://doi.org/10.1016/j.jleo.2023.171167 288 (2023) 171167
44	Growth and Elemental, FTIR Spectroscopic and Thermal Analysis of Pure and Isoleucine Doped Lithium Dihydrogen Phosphate Crystals	International Journal of Scientific Research in Physics and Applied Sciences, ISSN 23483423	H. K. Ladani, V. J. Pandya, Radhika Rathod, H. O. Jethva	11(4), 2023, 33-37
45	Growth and Elemental, FTIR Spectroscopic, Thermal and UV-Vis Studies of Pure and Alanine Doped Lithium Dihydrogen Phosphate	Journal of Physics and Chemistry of Materials, ISSN 23486341	H. K. Ladani, V. J. Pandya, Radhika Rathod, H. O. Jethva	10(4), 2023, 10-15

46	Co-existence of disordered fluorite and ordered pyrochlore phases in high energy mechanically milled $Gd_2Zr_2O_7$ nanoparticulates	Ceramic International, ISSN 02728842, IF 5.2	D. L. Lila, H. O. Jethva , K. B. Modi, H. H. Joshi	https://doi.org/10.1016/j.ceramint.2024.04.022 50(13) 2024 22989-23011
47	The influence of isoleucine on structural, optical and electrical properties of lithium dihydrogen phosphate crystal	Indian Journal of Pure and Applied Physics, ISSN 09751041, IF 0.846	H. K. Ladani, K. V. Vadhel, H. Bhuva, D. B. Mankad, V. J. Pandya, Radhika Rathod and H. O. Jethva	DOI: 10.56042/ijpap.v62i7.7784 Vol. 62, July 2024 593-606
48	AC permittivity and conductivity studies of Ni doped Pb levo-tartrate crystals	Journal of Materials Science: Materials in Electronics, EISSN 1573482X, IF 2.8	N. D. Pandya, J. H. Joshi, D. J. Dave, R. R. Hajiyani, H. O. Jethva and M. J. Joshi	https://doi.org/10.1007/s10854-024-12940-7 35 (2024) 1243
49	Photocatalytic applications of nickel pyrophosphate nano particles in waste water treatment	Journal of Materials Science: Materials in Electronics, EISSN 1573482X, IF 2.8	P. D. Solanki, Mahatta Oza, H. O. Jethva and M. J. Joshi	https://doi.org/10.1007/s10854-024-12850-8 35 (2024) 1141
50	Structural, optical, dielectric relaxation, complex impedance and modulus spectroscopic studies of pure and glutamic acid doped potassium dihydrogen phosphate	Indian Journal of Physics, EISSN: 0974-9845, IF 1.6	H Bhuva, K V Vadhel, H K Ladani, M J Joshi and H O Jethva	https://doi.org/10.1007/s12648-023-03015-0 98(7) (2024) 2397-2410
51	Effect of glycine doping on structure, linear optical properties and ionic conductivity of ammonium dihydrogen phosphate crystals	Journal of Materials Science: Materials in Electronics, EISSN 1573482X, IF 2.8	V. J. Pandya, K. V. Vadhel, Hepi Ladani, Mahatta Oza, Radhika Rathod, H. O. Jethva	https://doi.org/10.1007/s10854-024-13769-w 35 (2024) 2042
52.	Effect of manganese ion on structural, linear and nonlinear optical properties of magnesium sulphate heptahydrate crystals	Optik, IF 3.3	Radhika Rathod, H. Bhuva, V. J. Pandya, Zala Maulik, Hepi Ladani, H. O. Jethva	https://doi.org/10.1016/j.ijloe.2025.172248 325 Feb (2025) 172248
53.	The influence of Mn doping on Raman, thermal, ac conductivity, dielectric and modulus properties of magnesium sulphate heptahydrate crystals	Indian Journal of Physics, EISSN: 0974-9845, IF 1.7	Radhika Rathod, V. J. Pandya, Hepi Ladani, Rupal Solanki, Maulik Zala, H. O. Jethva	https://doi.org/10.1007/s12648-025-03887-4 December (2025)

➤ **Book Publication :**

- 8 Books of First Year B Sc Programme (Semester 1 and 2) and Second Year B Sc Programme (Semester 3 and 4) for the subject Physics are published as a single author according to the syllabus of Saurashtra University, Rajkot, Gujarat under Choice Based Credit System (CBCS) during 2013-14 to 2016-17 by Bharat Publication, Rajkot.
- A book chapter entitled “Chemical Etching” (DOI: <https://doi.org/10.26524/225.22>) is published in the edited book “Characterization of Single Crystals” January 2025 Edition, pp.382-400, ISBN: 9788197842696, Royal Book Publishing, India.

Ph. D. / M. Phil. Students:

➤ **M Phil Completed: 03**

No	Name	Title of the Dissertation	M Phil Awarded on
1	Bhojani Amit K Reg. No. 3153172, 2017-18, 5-12-2017	Growth inhibition study of selected urinary stone crystal by potassium dihydrogen citrate (KDC)	28-11-2018
2	Vaghela Naimisha B Reg. No. 3161199, 2019-20, 19-11-2019	Interface assisted charge transport behaviors of manganite based heterostructure	23-10-2020
3	Pandya Abhishek A Reg. No. 3161195, 2019-20, 19-11-2019	Investigation on structural, optical and electrical properties of creatinine doped ADP crystals	23-10-2020

➤ **Ph D student working at present: 08**

No	Name	Title of the Thesis	Registration No and Date
1	Radhika Rathod	To study and characterize pure and bivalent metal ion doped magnesium sulphate heptahydrate crystal	Reg. No. 23059 Date 01/01/2023
2	Rupal Solanki	Growth and characterization of pure and bivalent metal ion doped ammonium dihydrogen phosphate crystals	Reg. No. 24095 Date 01/01/2024
3	Maulik Zala	Growth and properties measurement of some crystals of glycine family	Reg. No. 24087 Date 01/01/2024
4	Tilak Pandya	Synthesis and characterization of oxide material based composites	Reg. No. 24092 Date 01/01/2024
5	Mehta Kishan	Growth and characterizations of pure and divalent metal ion doped potassium dihydrogen phosphate crystals	Reg. No. 25138 Date: 21/2/25
6	Kukadiya Sneha	Growth and characterizations of pure and metal ion doped threonine crystals	Reg. No. 26087 Date: 01/01/2026
7	Dave Palak	Growth and characterizations of pure and metal ion doped tartaric acid crystals	Reg. No. 26088 Date: 01/01/2026

8	Kotecha Aayushi	Growth and characterization of pure and tartaric acid doped dihydrogen phosphate family crystals	Reg. No. 26089 Date: 01/01/2026
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➤ **Ph D Awarded: 07**

No	Name	Title of the Thesis	Ph D Awarded on
1	Nilesh H. Manani, Reg. No. 17118, Date 01/01/2017	Growth and Characterization of Magnesium, Cobalt and other mixed levo tartrate crystals	Date 17/10/2020, Notification No. 193
2	Nikunj D. Pandya, Reg. No. 18066, Date 01/01/2018	Growth of Crystals and their Characterizations: The Solution and Gel growth Approach	Date 28/4/2022, Notification No. 72
3	Kirit V. Vadhel, Reg. No. 18072, Date 01/01/2018	Growth and Characterization Pure and Dopants Modified some Non-linear Optical Crystals	Date 24/11/2022 Notification No. 200
4	Harshal Bhuva, Reg. No. 19155, Date 29/12/2018	Growth and Characterization of organic compound doped potassium dihydrogen phosphate	Date 27/10/2023 Notification No. 355
5	Dirgha Mankad Reg. No. 19159 Date 29/12/2018	Growth and characterization of some crystals of metal organic compound	Date 14/03/2024 Notification No 67
6	Hepi Ladani Reg. No. 20124 Date 01-01-2020	Growth and Characterization Pure and Doped Lithium Dihydrogen Phosphate Crystals	Date 18/05/2024 Notification No 118
7	Vrutanshi Pandya Reg. No. 21176 Date: 01/12/2020	To study and characterize some amino acid doped ammonium dihydrogen phosphate crystal	Date: 20/02/2025 Notification No 046

➤ **Research Project Completed:**

Growth and Characterization of the gel grown Lead Tartrate Crystals

Funding : U. G. C. Minor Research Project

Ref Letter No. : File No: 47-1339/10(WRO), Dated: 20/09/2010.

Sanctioned Amount : Rs. 1,30,000.00

➤ **Organized Seminar :**

1. Coordinator of One Day State Level Seminar on Current Trends in Research in Physics and Industrial Applications arranged on 17/01/2010 at Department of Physics, Maharaja Shree Mahendrasinhji Science College, Morbi, Gujarat.
2. Coordinator of One Day National Level Seminar on Recent Trends in Experimental Condensed Matter Physics (RTECMP-2017) arranged on 21/03/2017 at Department of Physics, Saurashtra University, Rajkot, Gujarat.

➤ **Involvement in Various Activities:**

1. Coordinator of Ph D Course work Programme
2. Coordinator of Departmental Research Committee
3. Coordinator of NET Exam coaching 2016, 2017, 2018

4. Member of Research Advisory Committee (RAC)
5. Coordinator M. Sc. And Ph D Program Admission Committee
6. External Examiner of Bharathidasan University, Tiruchirappalli, Tamil Nadu.
7. External Examiner of Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu

➤ **Invited Lectures:**

1. Crystal growth in gel-A brief review: In International Conference on Materials Processing and Applications, Organized by Centre For Crystal Growth, VIT, Vellore on 14-16 December 2016.
2. Impedance Spectroscopy-A Brief Review: In International Conference on Advances in Materials Science and Technology, Organized by Centre For Crystal Growth, VIT, Vellore on 09-11 October 2017.

➤ **Reviewed Papers for:**

- SN Applied Sciences, an interdisciplinary journal published by Springer Nature and
- Optical and Quantum Electronics Published by Springer