

Publication list of Dr. Bharatkumar Parekh

Sr. No.	Title	Name of Journals	Month & Year	ISSN/ISBN	Co-authors
1	Structural, SHG and Dielectric Study of L-tryptophan Doped KDP Crystals	International Journal of ChemTech Research, Vol.6, No.3, pp 1559-1562, May-June 2014	2014	0974-4290	K. D. Parikh, B. B. Parekh and M. J. Joshi
2	Synthesis and Characterization of Arginine modified Nano Hydroxyapatite	International Journal of ChemTech Research, Vol.6, No.3, pp 2120-2122, May-June 2014	2014	0974-4290	Bhoomika V. Jogiya, Karan R. Rathod, Kashmira P. Tank, Bharat B. Parekh and M.J. Joshi
3	FT-IR and thermal studies of iron–nickel–manganese ternary levo-tartrate crystals	Journal of thermal analysis and calorimetry 112 (2), 761-766	2013	1388-6150	SJ Joshi, KP Tank, BB Parekh, MJ Joshi
4	Nucleation Kinetics of L-Arginine, L-Lysine and L-Alanine Doped Potassium Dihydrogen Phosphate Crystals	Journal of Crystallization Process and Technology 3, 92	2013	2161-7678	KD Parikh, BB Parekh, DJ Dave, MJ Joshi
5	Powder XRD and dielectric studies of gel grown calcium pyrophosphate crystals	AIP Conf. Proc 1536, 1304-1305	2013	1551-7616	B Parekh, K Parikh, M Joshi
6	Growth and characterization of L-tryptophan doped KDP crystals	AIP Conf. Proc 1536, 837-838	2013	1551-7616	KD Parikh, DJ Dave, BB Parekh, MJ Joshi
7	Growth and characterization of L-alanine doped KDP crystals	Crystal Research and Technology 45 (6), 603-610	2010	0232-1300	KD Parikh, DJ Dave, BB Parekh, MJ Joshi
8	Characterization of gel grown iron-manganese-cobalt ternary levo-tartrate crystals	Crystal Research and Technology 45 (3), 303-310	2010	0232-1300	SJ Joshi, KP Tank, BB Parekh, MJ Joshi
9	Aspergillums Niger assisted crystal growth of calcium tartrate: an alternative method to grow crystals	Crystal Research and Technology 44 (1), 31-35	2009	0232-1300	BB Parekh, VS Joshi, V Pawar, VS Thaker, MJ Joshi

10	Growth and spectroscopic, thermal, dielectric and SHG studies of L-threonine doped KDP crystals	Journal of optoelectronics and advanced materials 11 (5), 602-609	2009	1454-4164	DJ Dave, KD Parikh, BB Parekh, MJ Joshi
11	In vitro Growth and Inhibition Studies of Monosodium Urate Monohydrate Crystals by Different Herbal Extracts.	American Journal of Infectious Diseases 5 (3), 232-237	2009	0022-1899	BB Parekh, SR Vasant, KP Tank, A Raut, ADB Vaidya, MJ Joshi
12	Thermal, FT-IR and dielectric studies of gel grown sodium oxalate single crystals	Bulletin of Materials Science 31 (2), 143-147	2008	0250-4707	BB Parekh, PM Vyas, SR Vasant, MJ Joshi
13	Characterization and inhibitive study of gel-grown hydroxyapatite crystals at physiological temperature	Journal of Crystal Growth 310 (7), 1749-1753	2008	0022-0248	B Parekh, M Joshi, A Vaidya
14	Growth and characterization of struvite crystals	Indian Journal of Pure & Applied Physics 46 (7), 507-512	2008	0019-5596	CK Chauhan, KC Joseph, BB Parekh, MJ Joshi
15	Thermal, FT-IR and SHG efficiency studies of L-arginine doped KDP crystals	Bulletin of Materials Science 30 (2), 105-112	2007	0250-4707	KD Parikh, DJ Dave, BB Parekh, MJ Joshi
16	Growth and characterization of gel grown calcium pyrophosphate tetrahydrate crystals	Crystal Research and Technology 42 (2), 127-132	2007	0232-1300	BB Parekh, MJ Joshi
17	Modification of gel technique for micro-crystals of biomaterials: In situ growth and dissolution studies.	Current Science (00113891) 93 (3)	2007	0011-3891	BB Parekh, MJ Joshi, ADB Vaidya
18	Growth and characterization of 4-(2-hydroxyphenylamino)-pent-3-en-2-one single crystals	Crystal Research and Technology 42 (4), 407-415	2007	0232-1300	BB Parekh, DH Purohit, P Sagayaraj, HS Joshi, MJ Joshi
19	Dielectric study of Cu ²⁺ doped calcium tartrate tetrahydrate crystals	Indian journal of pure & applied physics 45 (1), 48-51	2007	0019-5596	SR Suthar, SJ Joshi, BB Parekh, MJ Joshi
20	Growth and characterization of gel grown pure and mixed iron-manganese levo-tartrate crystals	Bulletin of Materials Science 29 (3), 307-312	2006	0250-4707	SJ Joshi, BB Parekh, KD Vohra, MJ Joshi

21	Investigations of various growth parameters, FTIR and thermal studies of gel grown pure and mixed levo-tartrates of calcium and strontium	INDIAN JOURNAL OF PHYSICS	2006	0973-1458	KD Parikh, BB Parekh, DJ Dave, MJ Joshi
22	Herbal extracts of <i>Tribulus terrestris</i> and <i>Bergenia ligulata</i> inhibit growth of calcium oxalate monohydrate crystals in vitro	Journal of Crystal Growth 275 (1), e1403-e1408	2005	0022-0248	VS Joshi, BB Parekh, MJ Joshi, AB Vaidya
23	Inhibition of the growth of urinary calcium hydrogen phosphate dihydrate crystals with aqueous extracts of <i>Tribulus terrestris</i> and <i>Bergenia ligulata</i>	Urological research 33 (2), 80-86	2005	0300-5623	VS Joshi, BB Parekh, MJ Joshi, ADB Vaidya
24	Inhibition of growth of urinary type calcium hydrogen phosphate dihydrate crystals by tartaric acid and tamarind	Current Science 88 (8), 1232-1238	2005	0011-3891	KC Joseph, BB Parekh, MJ Joshi
25	Dielectric studies of gel grown zinc tartrate crystals	INDIAN JOURNAL OF PHYSICS	2005	0973-1458	RM Dabhi, BB Parekh, MJ Joshi
26	Crystal growth and dissolution of brushite crystals by different concentration of citric acid solutions	Indian Journal of Pure and Applied Physics 43 (9), 675-678	2005	0019-5596	BB Parekh, MJ Joshi

List of Paper Presented at International/ National Seminar, Conferences & Workshops

Sr. No.	Title	Seminar /Conference particulars with Year and month	Presented or Submitted	Co-authors
1	Structural, SHG and Dielectric Study of L-tryptophan Doped KDP Crystals	International Journal of ChemTech Research, Vol.6, No.3, pp 2120-2122, May-June 2014, Vellore	Presented	K. D. Parikh, B. B. Parekh and M. J. Joshi
2	Growth Characterization and Inhibition Study of Gel Grown Calcium Pyrophosphate Crystals'	42nd National Seminar on Crystallography and Internatioanl workshop on Application of X-ray Diffraction for Drug Discovery, 21st to 23rd November 2013, New Delhi	Presentd	Bharat Parekh, Ketan Parikh, Mihir Joshi
3	Powder XRD and Dielectric Studies of Gel Grown Calcium Pyrophosphate Crystals	International conference on Recent trends in Applied Physics and Materials sciences, 01-02 February 2013, Bikaner	Presented	Bharat Parekh, Ketan Parikh, Mihir Joshi,
4	Powder XRD and Dielectric Studies of Gel Grown Hydroxyapatite Crystals	ICYRAM-2012, 1 st July 2012 to 06 th July 2012, Singapore	Presented	Bharat Parekh and Mihir joshi
5	Study of L-argenin doped Ammonium Dihydrogen phosphate crystals	ICCG-16, 8 th -13 th August 2010, Beijing, China.	Presented	M. J. Joshi, R. R. Gohel, P. M. Vyas, D. J. Dave, K. D. Parikh and B. B Parekh
6	Comparative Study of Crystal Structures of Gel grown Hydroxyapatite and nano hydroxyapatite	XXXIX National Seminar on Crystallography (October 25-27, 2010)	Presented	Bharat B. Parekh, Kashmira P. tank and Mihir J. Joshi
7	Thermal and dielectric study of n-butlyle, 4-(3,4,-dimithoxyphenyle)-6-mithyle-2-thioxo -1,2,3,4 tetrahydroperimidine -5-carboxylate crystal	9 th international workshop on crystal growth of organic material, Nanyang Technological University, Singapore 4 th -7 th August 2010	Presented	P.M.Vyas, A. M. Pansurya, Y. T. Naliapara, B. B. Parekh, and M. J. Joshi
8	Growth and Single crystal XRD study of 4-(2-hydroxy phenyl amino) –pend-3-en-2-one crystal	National Workshop on X-Ray diffraction Study, Dept of physics, Rajkot, 17 th -19 th march 2010	Presented	P.M. Vyas, B. B. Parekh, D. H. Purohit, H. S. Joshi and M. J. Joshi
9	Synthesis and characterization of Zn doped nano hydroxyapatite	23rd Gujarat Science congress, Veer narmad South Gujarat univ. Surat, 15 th February 2009.	Presented	K. P. Tank, S. R. Vasant, B. B. Parekh and P.M. Vyas, R. R. Gohel and M. J. Joshi
10	Growth and thermal and kinetic parameters of HPAP crystals	Seminar on advances in Material Research. Department of Physics, Saurashtra university Rajkot. 2008	Presented	B. B. Parekh, P. M. Vyas, D. J. Dave R. R. Hajiyani and M. J. Joshi

11	Synthesis of nano Particles of Calcium pyrophosphate dehydrate	International conference on Bio-medical Engineering and nanotechnology, D. Y. Patil Univ. Kolhapur, 2008	Presented	S. R. Vasant, K. P. Tank, P. M. Vyas, K. B. Mehta, B. B. Parekh, and m. J. Joshi
12	Synthesis of nano crystalline hydroxyapatite by wet chemical process <i>in vitro</i> dissolution study	10 th international conference on advance material, 8 th Oct. 2007., IISC, Bangalore	Presented	K. P. Tank, P. M. Vyas B. B. Parekh and M. J. Joshi
13	Growth and Characterization of 4-(2-hydroxy-phenylamino)-pent-3-en-2-one crystals.	National seminar on crystal growth, at Center for crystal Growth SSN college of engineering. Chennai. 21 st -23 rd December 2007	Presented	B. B. Parekh, H. S. Joshi, P. M. Vyas and M. J. Joshi
14	Growth of Cholesterol Crystals	XXI Gujarat Science Congress, Hemchandracharya North Gujarat University, Patan, 11 th March 2007	Presented	Poorvesh M. Vyas, Bharat B. Parekh and M.J.Joshi
15	Dielectric Study of Mixed Crystals of Mn-Fe-Ni Tartrate	XXI Gujarat Science Congress, Hemchandracharya North Gujarat University, Patan, 11 th March 2007	Presented	Kashmira P. Tank, S.J.Joshi, Bharat B. Parekh, Dhaval D. Khunti & M. J. Joshi
16	Growth and Characterization of Gel grown Calcium Pyrophosphate Crystals (2nd Prize for Best Research Paper presentation award)	One Day National Seminar on Recent Trends in Materials Science, Department of Physics, Saurashtra University, Rajkot, on 25 th March 2007.	Presented	Bharat B. Parekh and M.J. Joshi
17	Dielectric Study of Mixed Crystals of Mn-Fe-Co Tartrate	One Day National Seminar on Recent Trends in Materials Science, Department of Physics, Saurashtra University, Rajkot, on 25 th March 2007.	Presented	Kashmira P. Tank, Sudhir J. Joshi, Bharat B. Parekh, C. K. Chauhan and M. J. Joshi
18	Dielectric Study of Mn ⁺⁺ doped ADP Crystals	One Day National Seminar on Recent Trends in Materials Science, Department of Physics, Saurashtra University, Rajkot, on 25 th March 2007.	Presented	
19	Dielectric Study of Copper Doped Calcium Tartrate Tetrahydrated Crystals	National Conference on Condensed Matter and Material Physics-06, M.S. Univ. Baroda, during 19 th -21 st January, 2006,	Presented	S.R. Suthar, S.J. Joshi, B.B. Parekh and M.J. Joshi

20	Growth and Characterization of L-histidine Doped KDP Crystals	One Day National Seminar on Recent Advances in Condensed Matter and Space Physics, Saurashtra University, Rajkot, on 21st March 2006.	Presented	Bharat B. Parekh, Dipak J. Dave, Ketan D. Parikh and Mihir J. Joshi
21	Measurement of Induction Period Nucleation Kinetics of the L-histidine Doped KDP Crystals	One Day National Seminar on Recent Advances in Condensed Matter and Space Physics, Saurashtra University, Rajkot, on 21 st March 2006.	Presented	Dipak J. Dave, Bharat B. Parekh, Ketan D. Parikh and Mihir J. Joshi
22	Thermal Study of Gel Grown Iron-Manganese- Nickel Mixed Tartrate Crystals	One Day National Seminar on Recent Advances in Condensed Matter and Space Physics, Saurashtra University, Rajkot, on 21 st March 2006.	Presented	Sudhir J. Joshi, Bharat B. Parekh and Mihir J. Joshi
23	Thermal Studies of L- Arginine Doped KDP Crystals	One Day National Seminar on Recent Advances in Condensed Matter and Space Physics, Saurashtra University, Rajkot, on 21 st March 2006.	Presented	Ketan D. Parikh, Bharat B. Parekh, Deepak J. Dave and M.J. Joshi
24	Growth and Characterization of Sodium Oxalate Crystals	11th National Seminar on Crystal Growth (NSCG-11), Center for crystal growth, SSN college of Engineering, SSN Nagar, during 7 th -9 th December 2006.	Presented	Bharat B. Parekh, Poorvesh M. Vyas, Kashmira Tank and M.J. Joshi
25	Growth and Characterization of Pure and Mixed Iron-Manganese Levo- Tartrate Crystals.	ICMAT 2005, Singapore, 3rd -8th August, 2005.	Presented	S.J. Joshi, K.D. Vohra, B.B. Parekh, V.S. Joshi and M.J. Joshi,
26	Growth, Inhibition and Characterization of Hydroxy Apatite Crystals (Best Research Paper presentation award)	92 nd Indian Science Congress, Ahmedabad during 3-7, January 2005	Presented	Bharat B. Parekh, Dipak Dave, Vimal S. Joshi, Ashwin Raut, Sudha Sunder, Nancy Pandita, and Mihir J. Joshi
27	The Effect of Unripe Mango Juice on the Growth of Brushite Crystals	International Conference on Solvo Thermal Reaction-6, (ICSTR-6), Mysore, 24 th -27 th August '04.	Presented	K.C. Joseph, Bharat B. Parekh, Dipak J.Dave and Mihir J. Joshi
28	Thermal, Kinetic, Thermodynamic and SEM Studies of Gel Grown Calcium Oxalate Monohydrate Single Crystals	International Conference on Solvo Thermal Reaction-6, (ICSTR-6), Mysore, 24 th -27 th August '04.	Presented	Vimal S. Joshi, Bharat B. Parekh, Dipak Dave and Mihir J. Joshi

29	The Herbal Extracts of <i>Tribulus terrestris</i> and <i>Bergenia ligulata</i> Inhibit Growth of Calcium Oxalate Monohydrate Crystals in vitro	14 th International Conference on Crystal Growth (ICCG-14), Grenoble, France, during 9 th -13 th August 2004	Presented	V.S. Joshi, B.B. Parekh, M.J.Joshi and A.B. Vaidya
30	In Vitro Growth of CHPD Urinary Crystals in the Presence of Healthy Adult Urine and Tartaric Acid.	14 th International Conference on Crystal Growth (ICCG-14), Grenoble, France, during 9 th -13 th August 2004	Presented	K.C. Joseph, V.S. Joshi, B.B. Parekh, A.B. Vaidya and M.J. Joshi
31	Kidney Stones: A Brief Overview with Physics Perspective. (2nd Prize for Best Research Paper presentation award)	XVIII Gujarat Science Congress, Saurashtra University, Rajkot, on 13 th March 2004	Presented	Bharat Parekh ,
32	Mössbauer Spectroscopic and Magnetic Studies of Gel Grown Iron-Cobalt Mixed Tartrate Crystals	International Workshop on nano-particles, Magnetic Ion. & Magnetic Semiconductors Studied Mostly by Hyperfine Interactions., M.S.Univ. Baroda, India, during February 10 th -14 th , 2004.	Presented	Sherly Joseph, Bharat B. Parekh, R. M. Dabhi, Sudhir Joshi, H.H. Joshi and M.J. Joshi
33	X-Ray Diffraction Study of Pure and Mixed Iron-Manganese Levo Tartrate Crystals	XXXIII National Seminar on Crystallography, National Chemical Laboratory, Pune, during 8 th -10 th January 2004.	Presented	S.J. Joshi, Sailesh Suthar, Bharat B. Parekh and M.J.Joshi
34	Effect of Tartaric Acid and Tamarind Solution on the Growth of CHPD Crystals	XXXIII National Seminar on Crystallography, National Chemical Laboratory, Pune, during 8 th -10 th January 2004.	Presented	B.B. Parekh, K.C. Joseph, V.S. Joshi and M.J. Joshi
35	Thermal Study of Mixed iron (II) Cobalt Tartrate Crystals	Ninth National Seminar on Crystal Growth, Chennai, 24 th -26 th , February 2003.	Presented	Sherly Joseph, Bharat Parekh, and M.J. Joshi
36	Inhibition and Dissolution of CHPD Crystals by Citric Acid Solutions	Ninth National Seminar on Crystal Growth, Chennai, 24 th -26 th , February 2003.	Presented	B.B. Parekh, V.S. Joshi, K.C. Joseph and M.J. Joshi

Chapter published in Books published:

Sr. No.	Title	Year of Publication	Publisher & ISSN/ISBN	Co-authors
	Prospective of Thin film Solar Cell (Article in Proceeding of Seminar "Scientific Wealth of Physics"	2012	ISBN: 93-5067-857-8	Nil