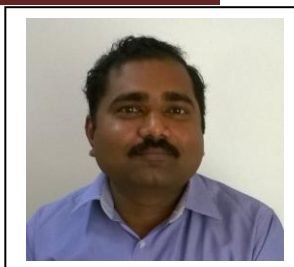


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**Curriculum Vitae**



Brief Profile: 1-2 paragraphs (not exceeding 500 words)

1.	Name	:	Dr. M. ASHOK
2.	Designation	:	Associate Professor
3.	Office Address	:	Dr. M. Ashok Associate Professor Department of Physics National Institute of Technology Tiruchirappalli E mail: Phone: - Mobile:9486067408
4.	Telephone (Direct) (Optional)	:	0431250 3610
	Telephone : Extn (Optional):		3610
	Mobile (Optional)	:	9486067408
5.	Email (Primary): ashokm@nitt.edu		Email(Secondary) :ashok76@gmail.com
6.	Field(s) of Specialization:		Biomaterial, Material Science

7. Employment Profile

Job Title	Employer	From	To
Project Assistant	Crystal Growth Centre, Anna University, Chennai	29.09.1998	31-03-2003
<i>Brain Korea 21</i> Postdoctoral Researcher	Seoul National University, Korea	Nov. 2003	October 2005
Postdoctoral Researcher	Ewha Womens University, Korea	Nov 2005-	March 2006
Lecturer(6 <sup>th</sup> pay Assistant Professor )	National Institute of Technology, Trichy	27 <sup>th</sup> April 2006	5 <sup>th</sup> Nov 2008
Assistant Professor (Direct Recruitment)	National Institute of	6 <sup>th</sup> Nov 2008	5 <sup>th</sup> Nov 2011

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	Technology, Trichy		
Associate Professor	National Institute of Technology, Trichy	6 <sup>th</sup> Nov 2011	Till Present

### 8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Bachelor's Degree	Manonmanium Sundaranar University, Tirunelveli, India	1996	First/73.7	Physics
Master's Degree	Madras University, Chennai, India	1998	First/68.1	Physics
Ph.D. Degree	Anna University, Chennai, India	2003	-	Crystal Growth , Physics

### 9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Staff Advisor, Photography Club	NIT, Trichy	10-3-2008	One year.
Staff Advisor Festember 2008 (Marketing , Publicity)	NIT, Trichy	18-08-2008	21-09-2008
Warden for Garnet Hostel	NIT, Trichy	15-6-2009	31-01-2010
Executive Member Annual Sports daty		12-03-2010	18-0302010
Committee member in digital class room	NIT, Trichy	16 -02-2012	-
DAC member	Department of Physics,NIT, Trichy	7-2-2012	6-2-2015
Member- Institute Vigilance Committee	NIT, Trichy	05-12-2012	6-2-2015
B.Tech I year Physics coordinator	Department of Physics,NIT, Trichy	06-08-2013	30-5-2014

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### 10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

### 11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2008	Best Student Poster award	Indian Ceramic Society, Bangalore

### 12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

### 13. Details of Academic Work

#### (i) Curriculum Development

#### (ii) Courses taught at Postgraduate and Undergraduate levels

1. Physics –I (UG)
2. Physics –II (UG)
3. C- Programming and Numerical Methods
4. Fabrication Technology
5. Energy and Environmental Engineering (UG)
6. Advance Microprocessor and Application
7. Programming in C and C++
8. Advance Microprocessor and interfacing
9. Nano science & Technology
10. Microcontrollers and Embedded system
11. Advance NDT Techniques I
12. Basic Metallurgy and Fracture Mechanics
13. Ultrasonic Testing
14. Computer Applications in Physics
15. Surface NDE Methods
16. Material characterization techniques
17. Non-destructive testing

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(iii) Projects guided at Postgraduate level

No. of PG Dissertations guided	:	26
No. of Ph.D. thesis guided	:	2
No. of M.S guided	:	1

(iv) Other contribution(s)

1. **Editorial Board Member** of International Journal of Nanomaterials and Technology , Serials Publications
2. **Editorial Board Member** of Indian Journal of Research Foundation, <http://indianjournal.net>
3. **ASNT Level II** in Ultrasonic Testing.
4. Added many experimental setup for M.Tech(NDT) and B.Tech. (**Immersion C-Scan, Phased Array Ultrasonic System, Eddy Current System** and for B.Tech Optical Fiber based experiments so on).
5. Guided **French student under ISAE, ENSMA**, under Research Laboratory Internship in 10-06-2013 to 06-09-2013
6. Guided **French student under ISAE, ENSMA**, under Research Laboratory Internship in 1-06-2016 to 20-08-2016

### 14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Nano-Porous Hydroxyapatite Nano-composite for Tissue Engineering Applications	DST	2006	2010	Completed
"Surface Modification of Biodegradable Magnesium Alloys by Plasma Electrolytic Processing for Orthopaedic Implant Applications" (as <b>Co-Investigator</b> ) (Dr.N. Ramesh Babu, MME, NITT is the PI )	DST	2012	2015	Completed

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15. Number of PhDs guided : 2

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
P. Michael Sahaya Lucy Shanthi	Synthesis and Characterization of Mesoporous Nano Hydroxyapatite for bone specific drug and other bio application	Supervisor	2013
Pradeep Reddy Vanga	Multiferroic and Photocatalytic properties of pure and modified BiFeO <sub>3</sub> synthesized by various methods	Supervisor	2016

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
7-9, December 2006	National Seminar on Non-destructive Evaluation	National	Participant	ISNT	Hyderabad.
11-16 December 2006	Workshop on MEMS and Smart Structures	National	Participant	ISSS	IISc, Bangalore
4-6, January 2007	5th International Conference on Trends in Industrial Measurements and Automation (TIMA),	National	Participant	NIT, Tiruchirappalli	NIT, Tiruchirappalli
9-10, January 2007	Laser Materials Processing-	National	Participant	NIT, Tiruchirappalli	NIT, Tiruchirappalli

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4-6, February 2007	International Conference on Nanomaterials and its application	National	Participant	NIT, Tiruchirappalli	NIT, Tiruchirappalli
27- 29 February 2008	International Conference On Materials Science Research And Nanotechnology ICMSRN	National	Participant	Mother Teresa university	Kodaikanal
3-5 November 2007	Empower Yourself	National	Participant	Break thru	Chennai
7th jully- 12th july 2008.	Induction Program on Instructional Design and Delivery	National	Participant	NITTR,	NITTR, Chennai
27th Jan 2009- 5th Feb 2009	Ultrasonic Testing ASNT Level 2	National	Participant	MSME	Chennai
15th to 19th June 2009.	Workshop on LabVIEW Hands on Training	National	Participant	Sri Ramakrishna Engineering College	Coimbatore
3-4 Dec 2010	Science Academics Lecture Workshop on Spectroscopy	National	Participant	NIT, Tiruchirappalli	NIT, Tiruchirappalli
7-10 Dec. 2011	National Seminar on Non-destructive Evaluation	National	Participant	organized, Chennai	Chennai trade center chennai
June 25-30, 2012	Short term course on Engineering Materials and Manufacturing Method.	National	Participant	NIT, Tiruchirappalli	NIT, Tiruchirappalli
17th March 2014	workshop on super conductive materials and their fabrication	National	Participant	NIT, Tiruchirappalli	NIT, Tiruchirappalli
4-6 Dec. 2014	National Seminar on Non-destructive Evaluation 2014	National	Participant	ISNT, Pune	Pune

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28-29 <sup>th</sup> April 2015	Conclave on Academic Reforms, NIT, Trichy	National	Participant	NIT, Tiruchirappalli	NIT, Tiruchirappalli
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17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/  
Organizing Secretary/ Convener / Co-Convener)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Demonstration on Physics Experiments for School Students (under TEQIP)( Organized)	Local	19 <sup>th</sup> , August 2006	Co- Convener	NIT
Demonstration on Physics Experiments for School Teachers (under TEQIP)( Organized)	Local	17 <sup>th</sup> , December 2006	Convener	NIT
Gateway to GATE 2008- Workshop for Aspirants under TEQIP	Local	10 <sup>th</sup> , March 2007.	Convener	NIT
Career Building Skill Workshop wards of staff and faculty of our institute( Organized)	Local	29 &30 <sup>th</sup> May 2009	Convener	NIT
'National Symposium on Applied Physics 2009'	National	26 <sup>th</sup> , March 2009.	staff adviser	NIT
Motivational Programme for Success" for the Residential Student Councillors( Organized)	Local	21 <sup>th</sup> November, 2009	Convener	NIT
National Seminar on Non-destructive Evaluation organized by ISNT,Trichy)	National	10 <sup>th</sup> - 12 <sup>th</sup> ,December2009	Technical committee Member	NIT
Motivational Programme for Success( Organized)	Local	17 <sup>th</sup> , April 2010	Convener	NIT

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Quality - National Symposium on NDT 2011	National	March 2011.	Staff adviser	NIT
Advance in Non-destructive Evaluation ( Organized under TEQIP)	Local	3-4 <sup>th</sup> , October 2013	Convener	NIT
Optical and ultrasonic methods in NDE ( Organized under TEQIP)	National	16-20, October 2013	Convener	NIT
Elemental, Compound and Phase Analysis by powder X-ray Diffraction ( Organized)(Self-Financed)	National	19-20, Sept. 2014.	Convener	NIT
Waves and Oscillation in Science & Technology. (Organized)(Self-Financed)	National	7-8, October 2014	Convener	NIT
Certificate course on NDE Techniques (Organized)(Self-Financed)	Local	1-5 June 2015.	Convener	NIT

18. Invited Talks delivered

Topic	Date	Inviting Organization
Synthesis and Characterization of Advanced Functional Material	26.03.2007-28.03.2007	Workshop on synthesis and Characterization of Advanced Functional Materials, ICGAR, Kalpakkam
Synthesis and Characterization of Nano Crystalline Hydroxyapatite Spheroids Using Anionic Template for Bio Applications	06-09, November 2011 on 08, November 2011	BioCeramics -23rd Symposium and annual meeting of International society for ceramic in Medicine(ISMC), Turkey,
Structural, Thermal and Magnetic Analysis of Co <sub>2</sub> FeO <sub>4</sub> Spinel Oxide Synthesized by Co-Precipitation Process	18th December 2012-20th December 2012	4th International conference on Solid State Science and Technology , 18-20th December 2012, at Malaysia



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Nano- Bio Material	4th July 2013	Invited talk in AICTE sponsored FDP program on Recent Development in Nano- Material and Nano Technology 3rd-16th July 2013, Muthayammal Engineering College,
Nano-Material	14-03-2014	National conference on Recent Trends and application in mathematics and Physics
Invited talk in "Application of Nanomaterials" at	22.08.2014	Invited talk in PSGTECH BME FDP on Advances in Molecular Diagnostics and Therapeutics 18 -24 August 2014,
Invited talk on "Classification of Biomaterials and its applications"	21.12. 2014	in the FDTP on Engineering Physics II (PH6251) at University College of Engineering Tindivanam.15 -21 December 2014
Invited talk talk on "Nano-Biomaterials and its applications" in the.	12-02-2015	FDTP Refresher course on "Current Trends in Physics (CTP-2015)" at School of Physics, Madurai Kamaraj University, Madurai during Feb.3-Feb. 23, 2015
Emulsification and removal of Excess penetrant	07-04-2015	ISNT, Trichy Level II certificate Course for POST GRADUATE DIPLOMA COURSE (WRI& PSG CT)
Invited talk talk on "Nano-Biomaterials and its applications"	16-07-2015	Department of Physics, Periyar University, Salem
Invited talk talk on "Ion Beam Analysis",	29-07-2015	Advanced Research in Materials for Engineering and Technological Applications (ARMETA-2015) at 17 to 30thJuly, 2015, Anna University, Tiruchirappalli
Invited talk talk on "Ultrasonic Testing",	9-10-2015	M. Kumarasamy College of Engineering, Karur.
Effect of Complexing Agent on the Formation of BifeO3 and Its Photocatalytic Properties	27-06-2015	Oral presentation on 2016 International Conference on Material Engineering and Smart Materials (ICMESM 2016), June 26-28, 2016, Singapore

**19. Membership of Learned Societies**

Type of Membership (Ordinary Member/ Honorary Member / Life Member )	Organization	Membership No. with date
Life Member	ISNT	LM8441,2009

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20. Academic Foreign Visits

Country	Duration of Visit	Programme
South Korea	26th November 2007-25th December 2007	Semiconductor Material Science and its Related Process, Research Center for Advance Materials development, Chonbuk National University, with Prof. Cheul Ro Lee. Under TEQIP faculty training programme
Turkey	November 06-09, 2011	BIOCERAMICS 23 Symposium in Istanbul, TURKEY, Under PDA
Malaysia	December 17-21, 2012	4th International Conference of Solid State Science and Technology, ICSSST2012 at Holiday Inn Malacca, Malaysia. Under PDA
Singapore	June 26-July 1, 2016.	2016 Int. Conference on Material Engineering and Smart Materials” Singapore. Under PDA

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
PR Vanga, RV Mangalaraja, NV Giridharan, M Ashok	Influence of divalent Ni and trivalent Cr ions on the properties of ytterbium modified bismuth ferrite	Journal of Alloys and Compounds	684	55-61	2016	3.014
PR Vanga, RV Mangalaraja, M Ashok	Sol-gel synthesis and characterisation of (Nd, Cr) co-doped BiFeO <sub>3</sub> nanoparticles	Journal of Experimental Nanoscience	11	1348-1359,	2016	0.832
PR Vanga, RV Mangalaraja, M Ashok	Effect of co-doping on the optical, magnetic and photocatalytic properties of theGd modified	Journal of Materials Science: Materials in Electronics	27	5699-5706	2016	1.798

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	BiFeO <sub>3</sub>					
Radhalayam Dhanalakshmi ; P. R. Vanga ; M. Ashok ; N.V. Giridharan	The Effect of a 0.5T Magnetic Field on the Photocatalytic Activity of Recyclable Nd-modified BiFeO <sub>3</sub> Magnetic Catalysts	IEEE Magnetics Letters	99	1	2016	1.63
R Dhanalakshmi, M Muneeswaran, PR Vanga, M Ashok, NV Giridharan	Enhanced photocatalytic activity of hydrothermally grown BiFeO <sub>3</sub> nanostructures and role of catalyst recyclability in photocatalysis based on magnetic framework	Applied Physics A	122	1-14	2016	1.694
PR Vanga, RV Mangalaraja, M Ashok	Structural, magnetic and photocatalytic properties of La and alkaline co-doped BiFeO <sub>3</sub> nanoparticles	Materials Science in Semiconductor Processing	40	796-802	2015	2.264
LG Narsimhan, RP Vanga, M Ashok	Synthesis of Hydroxyapatite over Keggin	RESEARCH JOURNAL OF BIOTECHNOLOGY	10	40-41	2015	
PR Vanga, RV Mangalaraja, NV Giridharan, M Ashok	PTCR behavior of BiFeO <sub>3</sub> synthesized by the solvothermal method	Materials Letters	143	230-232	2015	2.437
S. Adalarasu, M. Ashok;	Assessment on mechanical working of a rolled ring using ultrasonic techniques	Indian J. Res. Found.	1	1-2	2015	
Pradeep Reddy Vanga, R.V. Mangalaraja, M. Ashok;	Effect of (Nd, Ni) co-doped on the multiferroic and photocatalytic properties of BiFeO <sub>3</sub>	Materials Research Bulletin	72	299-305	2015	2.435
Vanga, Pradeep Reddy; Leelashree, S;	Effect of Cobalt Concentration on Bi <sub>0.95</sub> Ba <sub>0.05</sub> O.	Advanced Materials Research	938	85-90	2014	0.224

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Ashok, Mahalingam;	05Fe1-xCoxO3					
Reddy, Pradeep; Raja, Yesu; Ashok, M;	Structural, Thermal and Magnetic Analysis of Co <sub>2</sub> FeO <sub>4</sub> Spinel Oxide Synthesized by Co-Precipitation Process	Advanced Materials Research	895	287-290	2014	0.224
Vanga, Pradeep Reddy; Ashok, M;	Magnetic and optical studies of Fe and Co co- doped ZnO	Advanced Nanomaterials and Emerging Engineering Technologies (ICANMEET), 2013 International Conference on		154-156	2013	
Swapna, R; Ashok, M; Muralidharan, G; Kumar, MC Santhosh;	Microstructural, electrical and optical properties of ZnO: Mo thin films with various thickness by spray pyrolysis	Journal of Analytical and Applied Pyrolysis	102	68-75	2013	<b>3.652</b>
Prabhu, Saravanan; Saravanamoorthy, S; Ashok, M; Velmathi, Sivan;	Colorimetric and fluorescent sensing of multi metal ions and anions by salicylaldimine based receptors	Journal of Luminescence	132	979-986	2012	2.719
Shanthi, SL; Michael, P; Ashok, M; Mangalaraja, RV; Balasubramanian, T;	Synthesis and Characterization of Nano Crystalline Hydroxyapatite Spheroids Using Anionic Template for Bio Applications	Key Engineering Materials	493	723-727	2012	0.224
Sivakumar, Manickam; Towata, Atsuya; Yasui, Kyuichi; Tuziuti, Toru; Kozuka, Teruyuki; Iida, Yasuo; Maiorov, Michail M; Blums, Elmars; Bhattacharya, Dipten; Sivakumar, Neelagesi;	Ultrasonic cavitation induced water in vegetable oil emulsion droplets–A simple and easy technique to synthesize manganese zinc ferrite nanocrystals with improved magnetization	Ultrasonics sonochemistry	19	652-658	2012	4.556

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Elayaraja, K; Joshy, MI Ahymah; Suganthi, RV; Kalkura, S Narayana; Palanichamy, M; Ashok, M; Sivakumar, VV; Kulriya, PK; Sulania, I; Kanjilal, D;	125MeV Si 9+ ion irradiation of calcium phosphate thin film coated by rf- magnetron sputtering technique	Applied Surface Science	257	2134-2141	2011	3.38
Yogamalar, N Rajeswari; Ashok, M; Bose, A Chandra;	Blue emission and bandgap modification in N: ZnO nanorods	Functional Materials Letters	4	271-275	2011	1.333
Udhayakumari, D; Saravanamoorthy, S; Ashok, M; Velmathi, Sivan;	Simple imine linked colorimetric and fluorescent receptor for sensing Zn 2+ ions in aqueous medium based on inhibition of ESIPT mechanism	Tetrahedron Letters	52	4631-4635	2011	2.379
Shanthi, P Michael SL; Mangalaraja, RV; Uthirakumar, AP; Velmathi, S; Balasubramanian, T; Ashok, M;	Synthesis and characterization of porous shell- like nano hydroxyapatite using Cetrimide as template	Journal of colloid and interface science	350	39-43	2010	3.91
Rao, T Prasada; Kumar, MC Santhosh; Angayarkanni, S Anbumozhi; Ashok, M;	Effect of stress on optical band gap of ZnO thin films with substrate temperature by spray pyrolysis	Journal of Alloys and Compounds	485	413-417	2009	3.014
Pandiyarajan, T; Karthikeyan, B; Venkatesan, P; Ashok, M; Anandan, S; Giridharan, NV;	Simple synthesis and spectroscopic studies on cobalt added ZnO nanocrystals	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	74	84-86	2009	2.39
Shanthi, P Michael SL; Ashok, M; Balasubramanian, T; Riyasdeen, A; Akbarsha, MA;	Synthesis and characterization of nano- hydroxyapatite at ambient temperature using cationic surfactant	Materials Letters	63	2123-2125	2009	2.437
Kim, JC; Youn, M; Lee, SC; Yun,	Current activities at the Seoul	Nuclear Instruments and Methods in	259	57-61	2007	1.389

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CC; Song, YM; Kang, J; Choi, HR; Ashok, M; Kwak, JW; Kim, SK;	National University AMS facility	Physics Research Section B: Beam Interactions with Materials and Atoms				
Ashok, M; Kalkura, S Narayana; Sundaram, N Meenakshi; Arivuoli, D;	Growth and characterization of hydroxyapatite crystals by hydrothermal method	Journal of Materials Science: Materials in Medicine	18	895-898	2007	1.54
Chanda, SC; Manna, A; Vijayan, V; Nayak, Pranaba K; Ashok, M; Acharya, HN;	PIXE & XRD analysis of nanocrystals of Fe, Ni and Fe <sub>2</sub> O <sub>3</sub>	Materials letters	61	5059-5062	2007	2.437
Sundaram, N Meenakshi; Girija, EK; Ashok, M; Anee, TK; Vani, R; Suganthi, RV; Yokogawa, Y; Kalkura, S Narayana;	Crystallisation of hydroxyapatite nanocrystals under magnetic field	Materials Letters	60	761-765	2006	2.437
Rautray, TR; Vijayan, V; Ashok, M; Kennedy, JV; Jayanthi, V; Ibrarullah, MD; Panigrahi, S;	PIXE analysis of gallstones	International Journal of PIXE	15	147-152	2005	0.20
Rajesh, NP; Kannan, V; Ashok, M; Sivaji, K; Raghavan, P Santhana; Ramasamy, P;	A new nonlinear optical semi- organic material: cadmium thiourea acetate	Journal of crystal growth	262	561-566	2004	1.462
Anee, TK; Palanichamy, M; Ashok, M; Sundaram, N Meenakshi; Kalkura, S Narayana;	Influence of iron and temperature on the crystallization of calcium phosphates at the physiological pH	Materials letters	58	478-482	2004	2.437
Ashok, M; Nageshwar, Reddy D; Jayanthi, V; Kalkura, SN; Vijayan, V; Gokulakrishnan, S; Nair, KG;	Regional differences in constituents of gall stones.	Tropical gastroenterology: official journal of the Digestive Diseases Foundation	26	73-75	2004	
Anee, TK; Ashok, M;	A novel technique to	Materials chemistry and physics	80	725-730	2003	2.101

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Palanichamy, M; Kalkura, S Narayana;	synthesize hydroxyapatite at low temperature					
Ashok, M; Sundaram, N Meenakshi; Kalkura, S Narayana;	Crystallization of hydroxyapatite at physiological temperature	Materials Letters	57	2066-2070	2003	2.437
Ashok, M; Rautray, T; Nayak, Pranaba; Vijayan, V; Jayanthi, V; Narayana Kalkura, S;	Energy dispersive X-ray fluorescence analysis of gallstones	Journal of radioanalytical and nuclear chemistry	257	333-335	2003	0.983
Kalkura, S Narayana; Anee, TK; Ashok, M; Betzal, C;	Investigations on the synthesis and crystallization of hydroxyapatite at low temperature.	Bio-medical materials and engineering	14	581-592	2003	0.988
Sandarac, Nachiappan Meenakshi; Ashok, M; Kalkura, N;	Observation of cholesterol nucleation in a magnetic field	Acta Crystallographica Section D: Biological Crystallography	58	1711-1714	2002	1.95
Kumar, R Ashok; Kennedy, V John; Sasikala, K; Jude, ALC; Ashok, M; Moretto, Ph;	Trace element analysis of blood samples from mentally challenged children by PIXE	Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms	190	449-452	2002	1.389
Ashok, M; KALKUPA, S NARAYANA; Kennedy, VJ; Markwitz, A; Jayanthi, V; Nair, KGM; Vijayan, V;	Trace element analysis of south Indian gallstones by PIXE	International Journal of PIXE	12	137-144	2002	0.20
Gokulakrishnan, S; Ashok, M; Jayanthi, V;	Analysis of gallstone: a critical appraisal on various techniques	Gastroenterol Today	5	145-148	2001	
Ashok, M; Narayana Kalkura, S; Vijayan, V; Magudapathy, P; Nair, KGM;	Investigation of the elemental concentration of kidney stones by PIXE analysis	International Journal of PIXE	11	21-25	2001	0.20
M. Ashok, S. Narayana Kalkura, V. Vijayan, K.G.M. Nair And P. Ramasamy;	Analysis Of The Elemental Concentration In Renal Calculi	Journal Of Medical Physics .	25	205-207	2000	

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Ashok, M; Kandasamy, A; Velmathi, S;	Synthesis and Characterization of Hydroxyapatite Nanorods	International Journal of Nano Science, Nano Engineering & Nanotechnology	1	13-15		
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**(B) Conferences/Workshops/Symposia Proceedings**

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Shanthi, P Michael SL; Ashok, M; Balasubramanian, T;	Synthesis and characterization of porous nanocrystalline biphasic calcium phosphate for bio applications	SPIE NanoScience+ Engineering	846411-846411- 7	NanoScience+ Engineering	SPIE, San Diego, California, United States	2012
Shanthi, P Michael SL; Ashok, M; Balasubramanian, T; Uthirakumar, AP;	Synthesis and characterization of nano spherical hydroxyapatite for drug delivery and tissue engineering	SPIE NanoScience+ Engineering	74030K- 74030K-8	NanoScience+ Engineering	SPIE, San Diego, California, United States	2009
Sandhyarani, M; Rameshbabu, N; Venkateswarlu, K; Ravisankar, KV; Ashok, M; Anandan, S;	Photocatalytic and Antibacterial Activity of Titanium, Fluorine and Silver Co- Substituted Hydroxyapatite	International Journal of Modern Physics: Conference Series	268-277	International Conference on Ceramics	Bikaner, India	12-13 December 2012

**(C) Books & Monographs**

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
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