

ACADEMIC PROFILE : Dr C. K. CHAUHAN**Dr Chetankumar Kanubhai Chauhan**

Associate Professor in Physics,
Department of Physics, M. N. College,
Bus Station Road, Visnagar – 384 315
Dist Mehsana, Gujarat, INDIA.

Mobile No : +91-9825765981

E-mail : ckc33@rediffmail.com

Date of Initial Joining Govt. Service (GCERT) : 06/03/1997

Date of Joining as GES II (College Branch) : 06/01/2003

**✚ EDUCATION : Ph.D., M.Ed., M.Sc.**

- **Ph.D.** from Department of Physics, Saurashtra University, Rajkot, Gujarat, 2012
- **Title of Ph.D. Thesis** : “*Growth and Characterization of Struvite and Related Crystals*”
- **M.Ed. : Educational Research, Measurement & Evaluation**, A. G. Teachers College, Gujarat University, Ahmedabad, Gujarat, 1995 (**55.4%, Second Class**)
- **Title of M.Ed. Dissertation** : “*A Study of the Microteaching Programme held in various Education Colleges of Ahmedabad City and A Comparative Study of the Teaching Skills of the Students who are trained through Microteaching & are not trained through it.*”
- **B.Ed. : Science – Maths Method, Educational Statistics**, A. G. Teachers College, Gujarat University, Ahmedabad, 1994 (**75%, I-Distinction**)
- **M.Sc. (Physics)** : Department of Physics, School of Science, Gujarat University, Ahmedabad, Gujarat, 1993 (**60.22%, First Class**)
- **B.Sc. (Physics)** : M. G. Science Institute, Guj. Uni., A’bad, Gujarat, 1991 (**74.47%, First Class**)

✚ ACADEMIC RECOGNITION :

- **UG Teacher** : HNGU, Patan (2024) (Aca/Manyta/287/6424/2024, Dt. 04/01/2024)
- **UG Teacher** : Gujarat University, Ahmedabad (2016) (Academic/Adhyapak/5/8104/2016; Dt 8/6/16)
- **UG Teacher** : Saurashtra University, Rajkot (2003) (Jodan/3/660/2003, Dt 12/05/2003)
- **Teacher Educator : GCERT** : Gujarat Council of Educational Research and Training, Department of Education, Government of Gujarat, Gandhinagar (1997 to 2003)
- **Text Book Author : GSBSTB** : Gujarat State Board of School Text Books, Department of Education, Government of Gujarat, Gandhinagar
- **Text Book Reviewer : GSBSTB** : Gujarat State Board of School Text Books, Department of Education, Government of Gujarat, Gandhinagar
- **Reviewer in International Journals** : Recognition as a reviewer in international journals
- **Co-Editor in Educational Magazine** : Co-Editor of *JIVAN SHIKSHAN* Monthly Educational Magazine : Published by GCERT (6 Issues : July 2002 to January 2003)
- **Co-Editor in Science Magazine** : Co-Editor of *VIGYAN SETU* Quarterly Science Magazine, Published by GCERT (October 2002 issue)
- **Member of Editorial Board** : Member of Editorial Board of *VIGYAN PARICHAY* (March 2000 issue) and *VIGYAN SETU* (March 2001 issue)

+ POSITIONS HELD & EDUCATIONAL EXPERIENCE :
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Designation	Type of Appointment	Institute	Parent Department	Period	
				Joining	Leaving
ASSOCIATE PROFESSOR IN PHYSICS (GES : II)*	Regular Full time Govt. Service	M. N. COLLEGE, VISNAGAR	Office of CHE#, GANDHINAGAR	02/11/2023	Till Date
ASSISTANT PROFESSOR IN PHYSICS (GES : II)* ASSOCIATE PROFESSOR IN PHYSICS (06/01/2017 Onwards)	Regular Full time Government Service	GOVERNMENT SCIENCE COLLEGE, SECTOR – 15, GANDHINAGAR	Office of CHE#, GANDHINAGAR	13/06/2012	01/11/2023
LECTURER IN PHYSICS (GES : II)* ASSISTANT PROFESSOR IN PHYSICS (2006 Onwards)	Regular Full time Government Service Selected by GPSC** Appointed by Edu. Dept. & CHE#	H. & H. B. KOTAK INSTITUTE OF SCIENCE, RAJKOT	Office of CHE#, GANDHINAGAR	06/01/2003	12/06/2012
RESEARCH ASSOCIATE	Regular Full time Government Service Selected by GCERT in Teacher Educator Cadre	GCERT*** GANDHINAGAR	EDU. DEPT. GoG, GNR	07/12/2001	05/01/2003
ASSISTANT PROJECT COORDINATOR		IPTT-ITV### PROJECT CELL GCERT*** GANDHINAGAR	EDU. DEPT. GoG, GNR	23/04/1999	06/12/2001
RESEARCH FELLOW		GCERT*** GANDHINAGAR	EDU. DEPT. GoG, GNR	21/04/1998	22/04/1999
JUNIOR LECTURER (CMDE)§		DIET### AHMEDABAD	GCERT*** GANDHINAGAR	06/03/1997	20/04/1998
Additional Positions Held					
OSD	Additional Charge	GEIC §§	EDU. DEPT. GoG, GNR	13/06/2012	02/04/2013
In-charge Director – Extension	Additional Charge	KCG \$\$\$	EDU. DEPT. GoG, GNR	16/08/2012	16/08/2013

- **Experience in DIET & GCERT in the Cadre of Teacher Educator : 5 Years, 10 Months**
- **UG Level Teaching Experience in College as a Lecturer / Assistant / Associate Professor in Physics in the Cadre of GES II : 21 Years, 2 Months (As on 06/03/2024)**
- **Total Educational Experience : 27 Years (As on 06/03/2024)**

* **GES** : GUJARAT EDUCATION SERVICE, CLASS II

CHE : COMMISSIONARATE OF HIGHER EDUCATION, GANDHINAGAR

** **GPSC** : GUJARAT PUBLIC SERVICE COMMISSION

*** **GCERT** : GUJARAT COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING, GANDHINAGAR

IPTT-ITV : INSERVICE PRIMARY TEACHERS TRAINING THROUGH APPLICATION OF INTERACTIVE TELEVISION
(A Collaborative Project of UNESCO, MHRD, ITU, NCERT & GCERT)

DIET : DISTRICT INSTITUTE OF EDUCATION & TRAINING

§ **CMDE** : CURRICULUM MATERIAL DEVELOPMENT & EVALUATION

§§ **GEIC** : GUJARAT EDUCATIONAL INNOVATIONS COMMISSION, GANDHINAGAR

\$\$\$ **KCG** : KNOWLEDGE CONSORTIUM OF GUJARAT, GANDHINAGAR / AHMEDABAD

+ ORIENTATION & REFRESHER COURSES (ASC / UGC-HRDC) :

	Name of the Course	Place of the Course	Duration	Sponsoring Agency
	REFRESHER COURSES			
1	Refresher Course on Nano-technology (Grade Obtained : A)	Conducted at Department of Physics, School of Sciences, Gujarat University Organized by UGC – HRDC, Gujarat University, Ahmedabad	07/11/2016 to 27/11/2016	UGC
2	Refresher Course No. 194 Computer Proficiency – 2 (ICT in Teaching, Learning & Research) (Grade Obtained : A)	Conducted & Organized at Smt C. R. Gardi Academic Staff College, Saurashtra University, Rajkot	12/03/2012 To 01/04/2012	UGC
3	Special Summer School – 2008 (This programme is equivalent to one Refresher Course, as per D.O.No.F.24-1/2008 (Misc/ASC) dated : 21/06/2008 of Joint Secretary, UGC, New Delhi.)	Conducted & Organized at Smt C. R. Gardi Academic Staff College, Saurashtra University, Rajkot	21/07/2008 to 10/08/2008	UGC
	ORIENTATION COURSE			
1	Orientation Programme No. 73	Smt C. R. Gardi Academic Staff College, Saurashtra University, Rajkot	27/02/2006 to 26/03/2006	UGC
	SHORT TERM COURSE			
1	Faculty Improvement Programme on New Directives of API	UGC – HRDC (ASC), Saurashtra University, Rajkot	12/09/2016 to 18/09/2016	RUSA

+ ACADEMIC HONORS, PRIZES & AWARDS :

- **Certificate of Appreciation From GSGCTA** : Certificate & Award for the Outstanding Performance in the Field of Book Publication, Research Paper Publications in International Journals & Participation in International Conferences from the hands of *Hon. Bhupendrasinh Chudasma Saheb*, Education Minister of Gujarat in October 2013 on behalf of *Gujarat State Government College Teachers Association*.
- **Certificate of Appreciation & Felicitations** : A *Certificate of Appreciation & Felicitations* was Awarded By Hon. Dr Jayanti Ravi, Commissioner of Higher Education – Gujarat in 2010 for the participation in International Conferences and for the contribution in scientific research & development.
- **Best Research Paper Presentation Award** : Received best research paper presentation award from the hands of *Dr Bhagvan Narayan*, Scientist, NPL, New Delhi on behalf of the organizers of 11th National Seminar on Crystal Growth – 2006 (with international participation) held at SSN college of Engineering, Tamil Nadu in 2006.

- **J. J. Patel Prize :** Awarded J. J. Patel prize from the hands of renowned Indian personality – Educationist, Mathematician & Physicist *Prof. P. C. Vaidya* for giving the Best Lessons in the subjects of Maths & Science during my studies of B.Ed. from the A. G. Teachers' college, Ahmedabad.
- **Certificate of Merit :** Awarded a *Certificate of Merit* from Ministry of Education and Culture, Government of India under National Scholarship Scheme in recognition of the high position secured in the list of meritorious candidates qualifying for awards from Gujarat in S.S.C. Examination.

UGC / DST / CSIR GRANTS RECEIVED :

- **UGC's Grant under Travel Grant Scheme:** Received UGC's travel grant for the participation and presentation of a research paper in the 5th International Conference on Materials for Advanced Technologies–2009 (ICMAT-2009) held at SINGAPORE.
- **DST's Grant under International Travel Support Scheme:** Received DST's grant under ITS scheme for participation & presentation of research paper in the 16th International Conference on Crystal Growth–2010 (ICCG-2010) held at Beijing, CHINA.
- **CSIR's Partial Financial Assistance:** Received CSIR's PFA for participation & presentation as an invited speaker in the 6th International Conference on Materials for Advanced Technologies–2011 (ICMAT-2011) held at SINGAPORE.

COURSES TAUGHT AS A UG TEACHER : (2003– 2023)

- | | |
|-----------------------|---------------------------|
| • Electronics | • Remote Sensing |
| • Quantum Mechanics | • Satellite Communication |
| • Classical Mechanics | • Nuclear Physics |
| • Space Physics | • Thermodynamics |
| • Astrophysics | • Mathematical Physics |
| • LASER | • Industrial Management |
| • Opto-electronics | • Environmental Physics |
| • Physics Practicals | |

TRAINING CONDUCTED AS A TEACHER EDUCATOR : (1997– 2003)

- | | |
|---------------------------------------|---------------------------------------|
| • Primary Teachers' Training | • KRP, RP, MT's Training |
| • Pre-service Teachers' Training | • Maths – Science Subject Training |
| • In-service Teachers' Training | • Training on MLL |
| • Capacity Building for DIET Lecturer | • School Readiness Programme |
| • SRG Capacity Building Programme | • Joyful Learning Training |
| • Education Inspectors' Training | • Training on Activity Based Learning |
| • BRC & CRC Coordinators' Training | • Training on TLM & SIM |
| • Head-masters' Training | • Training on Evaluation Strategy |

RESEARCH PAPER PUBLICATIONS :

- Research Paper Publication in **International Journal** : **08**
- Research Paper Publication in **National Journal** : **03**
- Research Paper Publication in **Conference Proceedings** : **04**
- **Total Research Paper Publications** : **15**

RESEARCH PAPER PUBLICATIONS IN REFEREED INTERNATIONAL JOURNALS :

1. **Title** : Growth, thermal and spectroscopic studies of bis-thiourea nickel barium chloride single crystals

Authors : Rakesh Hajiyani, **Chetankumar K. Chauhan**, M. J. Joshi

Journal : ASIAN JOURNAL OF CHEMISTRY

Publisher : Asian Publication Corporation

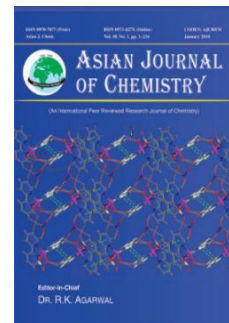
ISSN : 0975-427X (online), 0970-7077 (Print)

Volume : 30 (2)

Month & Year : January 2018 (Online December 2017)

Page No.: 257 – 259

Link : <https://doi.org/10.14233/ajchem.2018.20869>



2. **Title** : Growth and characterization of struvite-Na crystals

Authors : **Chetan K. Chauhan**, Mihirkumar J. Joshi

Journal : JOURNAL OF CRYSTAL GROWTH

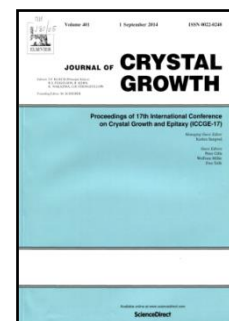
Publisher : ELSEVIER, NORTH-HOLLAND

ISSN : 0022-0248

Volume : 401

Month & Year : September 2014

Page No.: 221 – 226



3. **Title** : *In-Vitro* Crystallization, Characterization and Growth-Inhibition Study of Urinary Type Struvite Crystals

Authors : **Chetan K. Chauhan**, Mihir J. Joshi

Journal : JOURNAL OF CRYSTAL GROWTH

Publisher : ELSEVIER, NORTH-HOLLAND

ISSN : 0022-0248

Volume : 362

Month & Year : January, 2013

Page No.: 330 – 337



4. **Title** : Growth and characterization of Struvite-K crystals

Authors: **C. K. Chauhan**, P. M. Vyas, M. J. Joshi

Journal : CRYSTAL RESEARCH AND TECHNOLOGY

Publisher : WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim

ISSN : 1521-4079

Volume : 46, **Issue** : 2

Month & Year: February 2011, **Page No.:** 187–194



5. **Title :** Growth and Characterization of Bis-Thiourea Strontium Chloride Single Crystals

Authors : R.R. Hajiyani, D.J. Dave, **C.K. Chauhan**, P.M. Vyas, M.J.Joshi

Journal : MODERN PHYSICS LETTERS B

Publisher : World Scientific Publishing Co., Singapore

ISSN : 1793-6640 (online), ISSN: 0217-9849 (Print)

Volume : 24, **Issue :** 8

Month & Year: March 2010

Page No.: 735-747



6. **Title :** Growth inhibition of Struvite crystals in the presence of herbal extract *Commiphora wightii*

Authors : **C. K. Chauhan**, M. J. Joshi, A. D. B. Vaidya

Journal : JOURNAL OF MATERIALS SCIENCE :
MATERIALS IN MEDICINE

Publisher : Springer US

ISSN : 1573-4838 (Online), ISSN : 0957-4530 (Print)

Volume : 20 (Supplement 1)

Month & Year : December 2009

Page No. : 85-92



7. **Title :** Growth Inhibition of Struvite Crystals in the presence of Herbal extract *Boerhaavia diffusa* Linn.

Authors : **C. K. Chauhan**, M. J. Joshi, A. D. B. Vaidya

Journal : AMERICAN JOURNAL OF INFECTIOUS DISEASES

Publisher : Science Publications

ISSN : 1553-6203

Volume: 5, **Issue :** 3,

Year : 2009,

Page No. : 170 – 179



8. **Title :** Growth Inhibition of Struvite Crystals in the Presence of Juice of *Citrus medica* Linn.

Authors : **C. K. Chauhan**, M. J. Joshi

Journal : UROLOGICAL RESEARCH

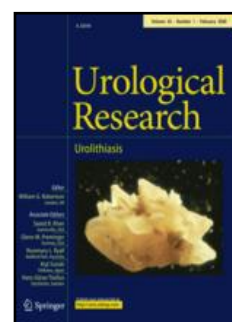
Publisher : Springer-Verlag

ISSN : 1434-0879 (Online), ISSN : 0300-5623 (Print)

Volume : 36, **Issue :** 5

Month & Year : October 2008

Page No.: 265-273



RESEARCH PAPER PUBLICATIONS IN REFEREED NATIONAL JOURNALS :

- Title :** Growth and Characterization of Struvite Crystals
Authors : Chetan K. Chauhan, K. C. Joseph, B. B. Parekh, M. J. Joshi
Journal : INDIAN JOURNAL OF PURE & APPLIED PHYSICS
Publisher : NISCAIR, New Delhi
ISSN : 0975-1041 (Online), ISSN :0019-5596(Print)
Volume : 46, **Issue :** 07
Month & Year : July 2008
Page No. : 507-512.



- Title :** Growth Inhibition of Struvite Crystals by the Aqueous Root Extract of *Rotula aquatica*
Authors : C. K. Chauhan, M. J. Joshi, A. D. B. Vaidya
Journal : INDIAN JOURNAL OF BIOCHEMISTRY AND BIOPHYSICS
Publisher : NISCAIR, New Delhi
ISSN : 0975-0959 (online), ISSN :0301-1208 (Print)
Volume : 48, **Issue :** 3
Month & Year: June 2011
Page No. 202 – 207.

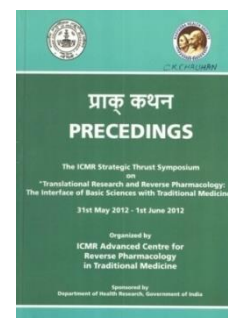


- Title :** Struvite Crystals : A Brief Review of Mineral Properties, Bio-mineralization in Urinary Calculi, Crystal Growth and Growth Inhibition Studies
Author : C. K. Chauhan
Journal : VAK (A Journal of Saurashtra University: Special Issue on Materials Science)
Publisher : Saurashtra University, Rajkot
Volume : 4
Year : 2009
Page No. 114 – 141



RESEARCH PAPER PUBLICATION IN CONFERENCE PROCEEDINGS :

- Title :** Bio-crystals: A Burgeoning Field for Reverse Pharmacology
Authors : Mihir J. Joshi, Chetan K. Chauhan
Page No. : 71 – 77
Precedings of : The ICMR Strategic Thrust Symposium on "Translational Research and Reverse Pharmacology: The Interface of Basic Sciences with Traditional Medicine"
Month & Year : 31st May 2012 – 1st June 2012
Organized by : ICMR Advanced Centre for Reverse Pharmacology Medical Research Centre – Kasturba Health Society, Mumbai



2. **Title :** Growth, FT-IR Spectroscopy, Thermogravimetry and Chemical Etching Studies of Potassium Pentaborate Crystals

Authors : Hirenkumar S. Jani, P. M. Vyas, S. R. Vasant, K. P. Tank, **Chetan K. Chauhan**, B. B. Parekh & M. J. Joshi

Proceedings of XV National Seminar on Crystal Growth, PSNCET, Tirunelveli.

NSCG 2011 – 152

Month & Year : 23-25 February 2011

3. **Title :** Synthesis and Characterization of Struvite Nano Particles

Authors : K. R. Rathod, B. V. Jogiya, **C. K. Chauhan**, and M. J. Joshi

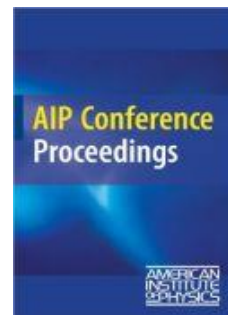
Proceedings of the 59th DAE Solid State Physics Symposium 2014

AIP Conference Proceedings 1665 050131 (2015)

ISSN : Print: 0094-243X, Online: 1551-7616

Place : VIT University, Vellore, Tamil Nadu,

Month & Year : 16–20 December 2014



4. **Title :** Growth and characterization of zinc doped bis-thiourea strontium chloride

Authors : Rakesh Hajiyani, Bhoomika Jogiya, **Chetan Chauhan**, Harshkant Jethva,

Mihir Joshi

Proceedings of :

62nd DAE Solid State Physics Symposium 2017

AIP Conference Proceedings 1942, 100003 (2018)

DOI : 10.1063/1.5028968

Place : BARC, Mumbai, India

Month & Year : 26 - 30 December 2017

Published by : AIP Publishing : 978-0-7354-1634-5



RESEARCH PAPER PRESENTATIONS IN CONFERENCES :

RESEARCH PAPERS PRESENTATIONS AS FIRST & PRESENTING AUTHOR :

- Research Paper Presentation in International Conferences / Seminars / Symposia : 09
- Research Paper Presentation in National Conference / Seminars / Symposia : 04
- Research Paper Presentation in State Level Conference / Seminars / Symposia : 01
- **Total Research Paper Presentations As First & Presenting Author : 14**

RESEARCH PAPERS PRESENTATIONS AS CO-AUTHOR & PRESENTED BY OTHER :

- Research Paper Presentation in International Conferences / Seminars / Symposia : 04
- Research Paper Presentation in National Conference / Seminars / Symposia : 07
- **Total Research Paper Presentations As Co-Author & Presented by Other Author:11**

✚ **Research Papers Presentations In International Conferences / Seminars / Symposia As First & Presenting Author :**

1. **Title of the Paper Presented :** *In-vitro* studies to evaluate anti-urolithiasis potency of some herbal extracts on struvite type urinary crystals

Type of Presentation : ORAL

Authors : Chetan Chauhan, Mihir Joshi, Ashok Vaidya

International Conference : 7th WAC – 2016 : 7th World Ayurveda Congress – 2016

Organizer : World Ayurveda Foundation, Ministry of AYUSH, Govt. of India

Place : Science City, Kolkata

Duration : 1 – 4 December, 2016

2. **Title of the Paper Presented :** Antilithic Activity of *Citrus Medica* Linn on Urinary Type Struvite Crystals

Type of Presentation : POSTER

Authors : C. K. Chauhan, M. J. Joshi, A. D. B. Vaidya

International Conference : **IPSCON – 2015** : International Conference on “Cutting-Edge Pharmacology: Contemporary Issues and Future Challenges”&

48th Annual Conference of Indian Pharmacological Society (IPS), India

Organizer : Department of Pharmaceutical Science, Saurashtra University, Rajkot

In association of Indian Society of Pharmacognosy

Place : Department of Pharmaceutical Science, Saurashtra University, Rajkot

Duration : 18 – 20 December, 2015

3. **Title of the Paper Presented :** Antilithic Activity of Some Herbal Extracts On Urinary Type Struvite Crystals

Type of Presentation : ORAL

Authors : C. K. Chauhan, M. J. Joshi, A. D. B. Vaidya

International Conference : **IPSCON – 2015** : International Conference on “Cutting-Edge Pharmacology: Contemporary Issues and Future Challenges” &

48th Annual Conference of Indian Pharmacological Society (IPS), India

Organizer : Department of Pharmaceutical Science, Saurashtra University, Rajkot

In association of Indian Society of Pharmacognosy

Place : Department of Pharmaceutical Science, Saurashtra University, Rajkot

Duration : 18 – 20 December, 2015

- 4. Title of the Paper Presented :** Antilithic Activity of *Boerhaavia diffusa* Linn, *Commiphora wightii* and *Rotula aquatica* Lour on Urinary Type Struvite Crystals
Type of Presentation : POSTER (Poster Presentation on 9th March, 2012)
Authors : C. K. Chauhan, M. J. Joshi, A. D. B. Vaidya
International Conference : International Symposium On Herbal and Traditional Medicine : "Frontiers in Drug Discovery from Herbal & Traditional Medicine" and 16th National Convention of Society of Pharmacognosy
Organizer : Department of Pharmaceutical Science, Saurashtra University, Rajkot
In association of (Indian) Society of Pharmacognosy
Place : Department of Pharmaceutical Science, Saurashtra University, Rajkot
Duration : 9 – 11 March, 2012
- 5. Title of the Paper Presented :** Antilithic Activity of *Boerhaavia diffusa* Linn, *Commiphora wightii* and *Rotula aquatica* Lour on Urinary Type Struvite Crystals
Type of Presentation : ORAL (Selected for Oral, Oral Presentation on 10th March, 2012)
Authors : C. K. Chauhan, M. J. Joshi, A. D. B. Vaidya
International Conference : International Symposium On Herbal and Traditional Medicine : "Frontiers in Drug Discovery from Herbal & Traditional Medicine" and 16th National Convention of Society of Pharmacognosy
Organizer : Department of Pharmaceutical Science, Saurashtra University, Rajkot
In association of (Indian) Society of Pharmacognosy
Place : Department of Pharmaceutical Science, Saurashtra University, Rajkot
Duration : 9 – 11 March, 2012
- 6. Title of the Paper Presented :** Growth and Characterization of Potassium Magnesium Phosphate Crystals
Type of Presentation : POSTER
Authors : Chetan Chauhan, Poorvesh Vyas, Mihir Joshi
International Conference : 16th International Conference on Crystal Growth – 2010 (16th ICCG – 2010)
Organizer : Chinese Association for Crystal Growth in association of the International Organization of Crystal Growth
Place : Beijing International Convention Center (BICC), Near Beijing Continental Grand Hotel (BCGH), Asian Games Village, Near Anhui Bridge, BEIJING, CHINA
Duration : 8 – 13 August, 2010

7. Title of Paper Presented : Vickers Micro-hardness Study of Urinary Type Struvite Crystals**Type of Presentation :** ORAL**Authors :** Chetan Chauhan, Mihir Joshi**International Conference :** ICMAT – 2009 : International Conference on Materials for Advanced Technologies – 2009**Organizer :** Materials Research Society (MRS) of Singapore, In association with National University of Singapore (NUS), Institute of Materials Research and Engineering, Singapore, Nanyang Technological University (NTU), Singapore**Symposium :** R, **Session :** R – S 4,**Date & Time of Presentation :** 30th June, 2009; **Time :** 12.00 to 12.30**Place :** Suntec City, SINGAPORE**Duration :** 28 June to 3 July, 2009**8. Title of the Paper Presented :** Growth Inhibition of Struvite Crystals in the presence of Herbal extract *Boerhaavia diffusa* Linn.**Type of Presentation :** POSTER**Authors :** C. K. Chauhan, M. J. Joshi, A. D. B. Vaidya**International Conference :** MolMed – 2009 : (ICMM-2009) International Conference on Molecular Medicine – 2009**Organizer :** Laila Pharmaceuticals Pvt. Ltd in association of IIT-Madras, Florida International University, Shri Ramchandra University, Stella Maris College**Place :** Indian Institute of Technology (IIT) – Madras, Chennai, India**Duration :** 18 – 20 January, 2009**9. Title of the Paper Presented :** Growth Inhibition of Struvite crystals in the presence of Herbal extract *Commiphora wightii***Type of Presentation :** POSTER**Authors :** C. K. Chauhan, M. J. Joshi, A. D. B. Vaidya**International Conference :** IUMRS–ICAM– 2007 (International Union of Materials Research Societies - International Conference on Advanced Materials)**Organizer :** Materials Research Society (MRS) of India in association with Indian Institute of Science (IISc) - Bangalore and Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR)-Bangalore**Place :** Hotel Grand Ashok, Bangalore, India**Duration :** 8 – 13 October, 2007

✚ **Research Papers Presentations In National Conferences / Seminars / Symposia As First & Presenting Author :**

- 1. Title of the Paper Presented :** Effect of Growth Parameters in Gel Growth of Struvite Crystals.
Type of Presentation : POSTER
Authors : C. K. Chauhan
National Seminar : National Seminar on Recent Trends in Experimental Condensed Matter Physics (RTECMP – 2017)
Organizer : Department of Physics, Saurashtra University, Rajkot
Sponsore : IQAC, Saurashtra University, Rajkot
Place : Department of Physics, Saurashtra University, Rajkot
Date : 21ST MARCH, 2017
- 2. Title of the Paper Presented :** Physics - Historical Perspectives, Indian Contribution
Type of Presentation : ORAL
Authors : Chetan K. Chauhan
National Conference : Indian Association of Physics Teachers 31st Annual Convention – 2016 & And Symposium on Excellence in Research
Organizer : IAPT RC – 7, IAPT & KSV - Gandhinagar
Place : Kadi Sarva Vishwavidyalaya, Sector – 15, Gandhinagar
Date : 20 – 22 October, 2016
- 3. Title of the Paper Presented :** Micro-hardness Study of Struvite
Type of Presentation : ORAL
Authors : Chetan K. Chauhan, and M. J. Joshi
National Seminar : National Seminar on Recent Trends in Materials Science
Organizer & Place : Physics Department, Saurashtra University, Rajkot, Gujarat, India
Date : 25 March, 2007
- 4. Title of the Paper Presented :** Growth Inhibition of Struvite crystals in the presence of the juice of *Citrus medica* Linn
Type of Presentation : ORAL
Authors : Chetan K. Chauhan, R. M. Vaishnav, L. K. Maniar, Poorvesh Vyas, Kashmira Tank, Dhaval Khunti and M. J. Joshi
National Seminar : 11th National Seminar on Crystal Growth – 2006 (11th NSCG -2006) (With International Participation)
Organizer : Center for Crystal Growth, SSN College of Engineering in association with Indian Association for Crystal Growth
Place : Center for Crystal Growth, SSN College of Engineering, SSN Nagar, Kalavakkam, Tamil Nadu, India
Duration : 7 – 9 December, 2006

✚ Research Papers Presentations In State Level Conferences / Seminars / Symposia As First & Presenting Author :

1. **Title of the Paper Presented :** In-vitro Growth of Urinary Type Struvite Crystals with different Morphology by Gel Growth Technique.

Type of Presentation : ORAL

Authors : Chetan K. Chauhan

State Level Seminar : Crossing Edges of Research in Science

Organizer : Government Science College, Gandhinagar

Place : Government Science College, Sector – 15, Gandhinagar

Date : 11 MARCH, 2017

✚ Research Papers Presentations In International Conferences / Seminars / Symposia As One of the Co-Author & Presented by Guide / Other Author :

(Underline depicts presenting Author)

1. **Title of the Paper :** Growth And Characterization Of Bis-Thiourea Nickel Barium Chloride Single Crystal

Type of Presentation : POSTER

Authors : Rakesh Hajiyani, Harshkant Jethava, **Chetan Chauhan**, Mihir Joshi

International Conference: 20th American Conference on Crystal Growth and Epitaxy (AACGE-20) and the 17th U.S. Biennial Workshop on Organometallic Vapor Phase Epitaxy. (OMVPE-17).

Organizer : American Association for Crystal Growth

Place : Big Sky, Montana, USA

Date : 02 - 07 August, 2015

2. **Title of the Paper :** Optical and Dielectric Study of Bis (Thiourea) Nickel Barium Chloride Single Crystals

Type of Presentation : POSTER

Authors : Rakesh Hajiyani, **Chetan K Chauhan**, Harshkant O Jethva and Mihir J Joshi

International Conference: 4th International Conference and Exhibition on Materials Science & Engineering

Organizer : OMICS International Conferences, USA

Place : Orlando, USA

Date : 14 – 16 September, 2015

3. **Title of the Paper Presented :** Synthesis and Characterization of n-Butyl 4-(3,4-dimethoxyphenyl –6– methyl –2–thioxo–1,2,3,4 tetrahydropyrimidine –5– carboxylate nanoparticles using w/o microemulsion technique

Type of Presentation : POSTER

Authors : Poorvesh M. Vyas, Akshay M. Pansuriya, Yogesh T. Naliapara, **Chetan K. Chauhan** and Mihir J. Joshi

International Conference : 15th ISCB – 2011 : “Bridging Gaps in Discovery and Development : Chemical and Biological Sciences for Affordable Health, Wellness and Sustainability”

Organizer : Department of Chemistry, Saurashtra University, Rajkot and Indian Society of Chemists & Biologists, Lucknow

Place : The Grand Bhagwati Hotel, Rajkot

Date : 4 –7 February, 2011

4. **Title of the Paper :** Growth Inhibition of Struvite Crystals in the presence of Herbal extract *Routla aquatica* Lour

Type of Presentation : POSTER

Authors : Chetan Chauhan, Mihir Joshi, Ashok Vaidya

International Conference: 15th International Conference on Crystal Growth – 2007
(15th ICCG - 2007)

Organizer : American Association for Crystal Growth (AACG) in association of the International Organization of Crystal Growth (IOCG)

Place : Salt Lake City, Utah, USA

Duration : 12 – 17 August, 2007

✚ Research Papers Presentations In National Conferences / Seminars / Symposia As One of the Co-Author & Presented by Guide / Other Author :

1. **Title of the Paper :** Growth and characterization of zinc doped bis-thiourea strontium chloride

Type of Presentation : POSTER

Authors: Rakesh Hajiyani, Bhoomika Jogiya, Chetan Chauhan, H.O. Jethva, M.J. Joshi

Symposium : 62nd DAE Solid State Physics Symposium 2017

Organizer : BARC in association with DAE

Place : BARC, Mumbai, India

Month & Year : 26 - 30 December 2017

2. **Title of the Paper :** Structural Spectrography and Thermal Studies of Bis-Thiourea Nickel Barium Chloride Single Crystals

Type of Presentation : POSTER

Authors : Rakesh R. Hajiyani, C. K. Chauhan, Nikunj Pandya and M. J. Joshi

Seminar: XXVI-NSCGE-2016 : 26th National Seminar on Crystal Growth & Epitaxy

Organizer & Place : Crystal Growth Centre, Anna University, Chennai.

Date : 14 – 15 March, 2016

3. **Title of the Paper :** Synthesis and Characterization of Struvite Nano Particles

Type of Presentation : POSTER

Authors : K. R. Rathod, B. V. Jogiya, C. K. Chauhan, and M. J. Joshi

Conference : 59th DAE Solid State Physics Symposium - 2014

Organizer : VIT University in association with DAE

Place : VIT University, Vellore, Tamil Nadu

Date : 16–20 December, 2014

- 4. Title of the Paper :** Biocrystals : A Burgeoning Field for Reverse Pharmacology
Type of Presentation : ORAL
Authors : Mihir J. Joshi, **Chetan K. Chauhan**
Conference : The ICMR Strategic Thrust Symposium on “Translational Research and Reverse Pharmacology: The Interface of Basic Sciences with Traditional Medicine”
Organizer : ICMR Advanced Centre for Reverse Pharmacology Medical Research Centre – Kasturba Health Society, Mumbai
Place : ICMR Advanced Centre for Reverse Pharmacology Medical Research Centre – Kasturba Health Society, Mumbai
Duration : 31 May - 1 June, 2012
- 5. Title of the Paper :** Growth, FT-IR Spectroscopy, Thermogravimetry and Chemical Etching Studies of Potassium Pentaborate Crystals
Type of Presentation : POSTER
Authors : Hirenkumar S. Jani, Poorvesh M. Vyas, Sonal R. Vasant, Kashmira P. Tank, **Chetan K. Chauhan**, B. B. Parekhand M. J. Joshi
Seminar : 15th National Seminar on Crystal Growth – 2011
Organizer : PSN College of Engineering and Technology, Tirunelveli in association with Indian Association for Crystal Growth
Place : PSN College of Engineering and Technology, Tirunelveli
Date : 23 – 25 February, 2011
- 6. Title of the Paper :** Growth, Powder XRD, Thermal and Dielectric Studies of Cholesterol Crystals
Type of Presentation : ORAL
Authors : Poorvesh M. Vyas, S. R. Vasant, **Chetan K. Chauhan**, H. S. Joshi, M. J. Joshi
Seminar : 39th NSC-2010 : 39th National Seminar on Crystallography
Organizer & Place : Department of Physics, University of Jammu, Jammu, India
Date : 25 – 27 October, 2010
- 7. Title of the Paper :** Dielectric Study of Mixed Crystals of Mn-Fe-Co Tartrate
Type of Presentation : ORAL
Authors : Kashmira P. Tank, S. J. Joshi, B. B. Parekh, **C. K. Chauhan**, M. J. Joshi
Seminar : National Seminar on Recent Trends in Materials Science
Organizer & Place : Physics Department, Saurashtra University, Rajkot, Gujarat, India
Date : 25TH March, 2007

PARTICIPATION IN OVERSEAS INTERNATIONAL CONFERENCES :

1. ICMAT – 2011 at SINGAPORE :



Participated as an **INVITED SPEAKER** & Presented a 30 minutes **TALK** on “*In-Vitro Crystallization, Characterization and Growth-Inhibition Study of Urinary Type Struvite Crystals*” in the **International Conference on Materials for Advanced Technologies- 2011 (ICMAT – 2011)** organized by **Materials Research Society of Singapore (MRS-S)**, in association with **National University of Singapore (NUS)**, **Institute of Materials Research and Engineering - Singapore (IMRE)**, **Nanyang Technological University (NTU)** of Singapore held at Suntec City, **SINGAPORE** during 26 June to 1 July 2011.

2. ICCG – 2010 at BEIJING, CHINA :

Participated & Presented a Research Paper on “*Growth and Characterization of Potassium Magnesium Phosphate Crystals*” in the **16th International Conference on Crystal Growth – 2010 (16th ICCG – 2010)** organized by **Chinese Association for Crystal Growth (CACG)** in association of the **International Organization of Crystal Growth (IOCG)** held at Beijing International Convention Center (BICC), **BEIJING, CHINA** during 8 – 13 August, 2010.

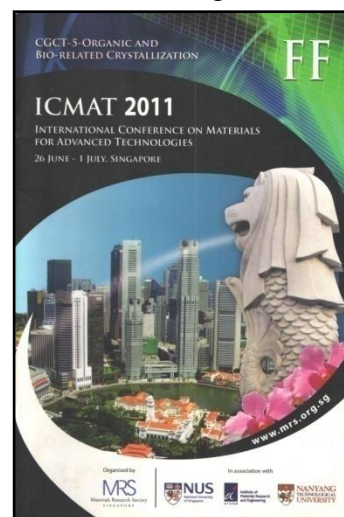
3. ICMAT – 2009 at SINGAPORE :

Participated & Presented a Research Paper on “*Vickers Micro-hardness Study of Urinary Type Struvite Crystals*” in the **International Conference on Materials for Advanced Technologies- 2009 (ICMAT – 2009)** organized by **Materials Research Society of Singapore (MRS-S)**, in association with **National University of Singapore (NUS)**, **Institute of Materials Research and Engineering - Singapore (IMRE)**, **Nanyang Technological University (NTU)** of Singapore held at Suntec City, **SINGAPORE** during 28 June to 3 July 2009.

INVITED SPEAKER IN INTERNATIONAL CONFERENCE :



- **TITLE OF INVITED TALK :** *“In-Vitro Crystallization, Characterization and Growth-Inhibition Study of Urinary Type Struvite Crystals”*
- **ICMAT-2011 :** International Conference on Materials for Advanced Technologies - 2011
- **Organizers of the Conference ICMAT-2011 :** Materials Research Society (MRS) – Singapore in association with National University of Singapore (NUS), Institute of Materials Research and Engineering (IMRE), Nanyang Technological University (NTU), Singapore
- **INVITED TALK in Symposium : FF :** CGCT-5 : Organic and Bio-related Crystallization
- **Session : FF2-1**
- **Session Chairs :** Yoshihiro Iwasa & Oleg Mitrofanov
- **TALK : 1 : FF2-1 (INVITED SPEAKER) - 30 MINUTES**
- **Place :** Room No OC-5, Pan Pacific Singapore, SINGAPORE
- **Date :** 27 Jun 2011
- **Time :** 16:30 to 17:00 (30 minutes)
- **Webpage :** <http://www.mrs.org.sg/icmat2011/s32.htm>



SESSION CHAIRED At International Conference ICMAT – 2011 :

- **6th ICMAT-2011 & 5th CGCT – 2011**
6th International Conference on Materials for Advanced Technologies – 2011 & 5th Asian Conference on Crystal Growth and Crystal Technology – 2011
- **Organizers of the Conference ICMAT-2011 :** Materials Research Society (MRS) – Singapore in association with National University of Singapore (NUS), Institute of Materials Research and Engineering (IMRE), Singapore Nanyang Technological University (NTU), Singapore
- **Symposium :** FF : Organic & Biological Crystallization
- **Session Chaired :** FF3
- **Session Chaired Along with :** Gerard Coquerel
- **Place :** Room No OC-5, Pan Pacific Singapore, SINGAPORE
- **Date :** 28 Jun 2011, Time : 14:00 to 16:30 (2 hours 30 minutes)

CONTRIBUTIONS AS A CO-AUTHOR IN TEXT-BOOK PUBLICATION

- 1. Book Title : Practical Book of Science & Technology, Standard. 9 (Revised Edition)**
Chapter for Practical No.: 1, 2, 3, 4, 5, 6, 7 (7 Chapters)
Publisher : Gujarat State Board of School Text Books, (Government Publication)
Department of Education, State Government of Gujarat, Gandhinagar, Gujarat
Revised / Modified Edition : 2011
Year of First Publication : 2005
- 2. Book Title : Practical Book of Science & Technology, Standard. 9**
Chapter for Practical No.: 1, 2, 3, 4, 5, 6, 7 (7 Chapters)
Publisher : Gujarat State Board of School Text Books, (Government Publication)
Department of Education, State Government of Gujarat, Gandhinagar, Gujarat
Year of First Publication : 2005
Editions / Reprints : 4 : Re-prints (2006, 2007, 2008, 2009)
- 3. Book Title : Physics Practical and Record Book, Standard. 12 (New course)**
Chapter for Practical No.: 2, 3, 8, 9 (4 Chapters)
Publisher :Gujarat State Board of School Text Books, (Government Publication)
Department of Education, State Government of Gujarat, Gandhinagar, Gujarat
Year of First Publication : 2005
- 4. Book Title : Practical Book of Science & Technology, Standard. 8**
Chapter for Practical No.: 1, 2, 3, 4, 5, 6 (6 Chapters)
Publisher : Gujarat State Board of School Text Books, (Government Publication)
Department of Education, State Government of Gujarat, Gandhinagar, Gujarat
Year of First Publication : 2005
Editions / Reprints : 4 Re-prints
Reprints : Re-prints in 2006, 2007, 2008, 2009
- 5. Book Title : Physics Text Book, Standard. 11**
Chapter No.: 10, 11, 12, 13 (4 Chapters)
Publisher : Gujarat State Board of School Text Books, (Government Publication)
Department of Education, State Government of Gujarat, Gandhinagar, Gujarat
Year of First Publication : 2004
Editions / Reprints : 6 Re-prints
Reprints : Re-prints in 2004, 2005, 2006, 2007, 2008, 2009

- 6. Book Title : Science & Technology Text Book Standard. 9**
Chapter No.: 1, 2, 3, 4, 7,
Publisher : Gujarat State Board of School Text Books, (Government Publication)
Department of Education, State Government of Gujarat, Gandhinagar, Gujarat
Year of First Publication : 2004
Editions / Reprints : 8 Re-prints
Reprints : Re-prints in 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011
- 7. Book Title : Science & Technology Text Book Standard. 8**
Chapter No.: 1, 14 (2 Chapters)
Publisher : Gujarat State Board of School Text Books, (Government Publication)
Department of Education, State Government of Gujarat, Gandhinagar, Gujarat
Year of First Publication : 2004
Editions / Reprints : 8 Re-prints
Reprints : Re-prints in 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011
- 8. Book Title : Physics Practical and Record Book, Standard. 12 (Old course)**
Chapter for Practical No.: 1, 2, 3, 4, 5 (5 Chapters)
Publisher : Gujarat State Board of School Text Books, (Government Publication)
Department of Education, State Government of Gujarat, Gandhinagar, Gujarat
Year of First Publication : 2003
- 9. Book Title : Physics Practical and Record Book, Standard. 11**
Chapter for Practical No.: 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 21 (11 Chapters)
Publisher :Gujarat State Board of School Text Books, (Government Publication)
Department of Education, State Government of Gujarat, Gandhinagar, Gujarat
Year of First Publication : 2002
Editions / Reprints : 8 Re-prints
Reprints : Re-prints in 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
- 10. Book Title : Science Text Book, Standard. 7**
Chapter No.: 1, 2, 3, 4, 5, 6, 7, 8 (8 Chapters)
Publisher : Gujarat State Board of School Text Books, (Government Publication)
Department of Education, State Government of Gujarat, Gandhinagar, Gujarat
Year of First Publication : 1999
Editions / Reprints : 9 Re-prints
Reprints : Re-prints in 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007

CONTRIBUTIONS AS A CO-REVIEWER IN TEXT-BOOK PUBLICATION

- 1. Book Title : Text Book of Science Education, Second Year P.T.C.**
Publisher : Gujarat State Board of School Text Books, (Government Publication)
Department of Education, State Government of Gujarat, Gandhinagar, Gujarat
Year of Publication : 2003
- 2. Book Title : Science Text Book, Standard. 6**
Publisher :Gujarat State Board of School Text Books,(Government Publication)
Department of Education, State Government, Gandhinagar, Gujarat
Year of Publication : 1998

CONTRIBUTIONS AS A CO-AUTHOR / TRANSLATOR IN BOOK PUBLICATION

- 1. Book Title : Glossary of Geophysics**
Publisher : University Granth Nirman Board, Gujarat State, Ahmedabad
Department of Education, State Government of Gujarat, Gandhinagar, Gujarat
Originally Published by : Commission for Scientific and Technical Terminology, New Delhi
Year of Publication : 2011
ISBN : 9 789381 265178

CONTRIBUTIONS AS A CO-EDITOR IN MAGAZINE PUBLICATION

- Title of the Magazine : “JIVAN SHIKSHAN” (A Monthly Educational Magazine)**
- Magazine Published by : Gujarat Council of Educational Research and Training (GCERT), Gandhinagar**
- Total Number of Issues of “JIVAN SHIKSHAN” Published as a Co-editor : 06**
- Issues : (1) January 2003 (2) December 2002 (3) October 2002 (4) September 2002 (5) August 2002 (6) July 2002**
- Title of the Magazine : “VIGYAN SETU” (A Quarterly Science Magazine)**
- Magazine Published by : Gujarat Council of Educational Research and Training (GCERT), Gandhinagar**
- Total Number of Issues of “VIGYAN SETU” Published as a Co-editor : 01**
- Issue : October 2002**

CONTRIBUTIONS AS A MEMBER OF EDITORIAL BOARD IN MAGAZINE

- 1. Title of the Magazine : VIGYAN PARICHAY (A Quarterly Science Magazine)**
Published by : Gujarat Council of Educational Research and Training, Gandhinagar
Issue : March 2000
- 2. Title of the Magazine : VIGYAN SETU (A Quarterly Science Magazine)**
Published by : Gujarat Council of Educational Research and Training, Gandhinagar
Issue : March 2001

ARTICLES PUBLICATION IN MAGAZINE

- Title of the Article :** “Electricity and Magnetism – Independent Initialization & Historical Unification”
Magazine : *PRAGAAMI TARANG* (Progressive Wave) : Annual Magazine – Journal of Physics and Related Areas
Publisher : Indian Association of Physics Teachers IAPT RC 7 (GUJARAT)
ISSN : 2347 2782
Volume : VIII
Year : 2016
Page No. 21 – 27
- Title of the Article :** “A Report on The Speech – 21st Century & National Curriculum : A Reformation in Education - delivered in the Capacity Building Workshop for DIET Lecturers By Dr J. S. Rajput, Former Director of NCERT”
Magazine : *JIVAN SHIKSHAN*
Publisher : Gujarat Council of Educational Research and Training (GCERT), Gandhinagar
Issue : January, 2003
Page No. : 5 to 12
- Article Title :** “Aryabhat – India’s Great Mathematician, Scientist & Astrologer”
Magazine : *VIGYAN SETU*
Publisher : Gujarat Council of Educational Research and Training (GCERT), Gandhinagar
Issue : October, 2002
Page No. : 3 to 4
- Title of the Article :** “Sky Gazing in the month of November”
Magazine : *VIGYAN SETU*
Publisher : Gujarat Council of Educational Research and Training (GCERT), Gandhinagar
Issue : October, 2002
Page No. : 25 to 27
- Title of the Article :** “CQC –Project : The use of Information & Technology in the field of Education in Gujarat”
Magazine : *GUJARAT*
Publisher : Directorate of Information, Government of Gujarat Publication, Gandhinagar
Issue : June, 2002
Page No. : 20 to 21
- Title of the Article :** “A Report on The Workshop - Role of the Primary Teachers’ Union in the Quality Improvement Programme in Primary Education”
Magazine : *JIVAN SHIKSHAN*
Publisher : Gujarat Council of Educational Research and Training (GCERT), Gandhinagar
Issue : December, 2001
Page No. : 2 to 13

7. **Title of the Article :** “A Report on The Stress Relief Programme conducted in the Earth Quake Effected Area by GCERT & DIETS”
Magazine : *JIVAN SHIKSHAN*
Publisher : Gujarat Council of Educational Research and Training (GCERT), Gandhinagar
Issue : March, 2001
Page No.: 4 to 10
 8. **Title of the Article :** “Let us Understand Earth Quake”
Magazine : *VIGYAN SETU*
Publisher : Gujarat Council of Educational Research and Training (GCERT), Gandhinagar
Issue : March, 2001
Page No. : 3 to 6
 9. **Title of the Article :** “Sky Gazing in the month of February”
Magazine : *VIGYAN SETU*
Publisher : Gujarat Council of Educational Research and Training (GCERT), Gandhinagar
Issue : March, 2001
Page No.: 14 to 17
 10. **Title of the Article :** “Education in Gujarat according to the NCERT’s 6th National Educational Survey of India”
Magazine : *JIVAN SHIKSHAN*
Publisher : Gujarat Council of Educational Research and Training (GCERT), Gandhinagar
Issue : October, 1999
Page No. : 15 to 16
 11. **Title of the Article :** “An Institutional Information of The Centre for Cultural Resource and Training (C.C.R.T.)-New Delhi”
Magazine : *JIVAN SHIKSHAN*
Publisher : Gujarat Council of Educational Research and Training (GCERT), Gandhinagar
Issue : April, 1999
Page No.: 16 to 18
 12. **Article Title :** “Report on the 5th standard Mathematics Content Enrichment workshop for Teachers”
Magazine : *JIVAN SHIKSHAN*
Publisher : Gujarat Council of Educational Research and Training (GCERT), Gandhinagar
Issue : March, 1999
Page No.: 26 to 28
- Moreover, also contributed to *VIGYAN JAGRUTI* (Wall Paper Magazine Published by O. V. Sheth Lok Vigyan Kendra, Rajkot; *BAL SRUSHTI* (Published by GSBSTB), *PARMITA* (Published by OCHE).

PARTICIPATION IN SCHOOL / CERTIFICATE COURSE

1. Participated in online **Certificate Course** on "**Comprehensive Online Intellectual Property Rights (IPR)**" conducted and organised by Gujarat Student Startup and Innovation Hub (i - Hub) during 6th July, 2020 to 14th September, 2020.
2. Participated in online **Certificate Course** on "**Udayam E-content Development Course**" organised by KCG, Ahmedabad & HRDC, Gujarat University, Ahmedabad during 28th July, 2020 to 18th August, 2020.
3. Participated in the online **Summer School "Indian Summer School on Crystal Growth (ISSCG-2020)"** Organized by SSN Research Centre, SSN Institutions (Autonomous), Chennai-603110, Tamil Nadu, India in association with Indian Association for Crystal Growth (IACG) during 14th – 23rd May, 2020.

PARTICIPATION IN WORKSHOPS / SEMINARS / CONFERENCES / Programmes

1. Attended inauguration function of State Quality Assurance Cell "**GARIMA**" organized by Education Department, Government of Gujarat (GoG) under NEP at Science City, Ahmedabad on 7th July, 2022.
2. Participated with staff and students in the Exhibition on "**Digital India Week – 2022**" organized at Mahatma Mandir on 6th July, 2022.
3. Attended online programme on "**Amrut Mahotsav Ka Yuva Sankalp – Sreshtha Bharat Ka Panch Prkalp**" organized by Department of Education, Government of Gujarat on 4th September, 2021.
4. Participated in webinar on "**Electronic Materials & Devices for Select Space and Defence Applications-An overview**" organised by Atmiya University, Rajkot on 19th June, 2020.
5. Participated in online "**National Webinar on Astronomy & Astrophysics**" organized by Physics Department of Christ College, Rajkot on 4th June, 2020.
6. Participated in the "**Bhautiki Yatra**": A **Travel for Scientific Indian Minds** jointly organized by Department of Physics, Saurashtra University, Rajkot, Department of Science & Technology, Government of Gujarat (DST), Gujarat Council on Science & Technology (GUJCOST) & Essencetech held during 21th – 29th May, 2020.
7. Participated in participated in the webinar on "**Recent Advances in Crystal Technology**" organized by Department of Physics, Prathyusha Engineering College, Chennai on 28th May 2020.
8. Participated in online webinar on "**Challenges in Non-destructive testing & Future Prospects**" organised by Shri Vile Parle Kelavani Mandal, Dwarkadas J Sanghavi College of Engineering, Vile Parle, Mumbai – 56 at 2.30 pm onwards on 29th May 2020.
9. Participated in the "**Getting Started in Sky Watching**": A **Two Day Webinar Crash Course on Amateur Astronomy** jointly organized by Big Bang Astronomy club of Shri O. V. Sheth Regional Community Science Center, Rajkot, Department of Physics, Saurashtra University, Rajkot, Department of Science & Technology, Government of Gujarat (DST) & Essencetech held during 25th – 26th May, 2020.

10. Participated in the "**Abhivyakti : Webinar on Recent Perspective of Science in Line of Covid-19 Pandemic**" jointly organized by Gujarat University, Ahmedabad, Gujarat Science Academy & Essencetech held during 17th – 20th May, 2020.
11. Participated in "**Webinar on Crystallography and its Application**" Er. Perumal Manimekalai College of Engineering, Koneripalli, Hosur, Krishnagiri Dt, Tamil Nadu on 8th May 2020.
12. Participated in Webinar on "**Conceptual and Applied Physics**" jointly organised by R. K. University and Saurashtra University, Rajkot during 5th – 8th May, 2020.
13. Participated in the "**Research Methodology and Frontiers in Science**" jointly organized by Department of Physics, Saurashtra University, Rajkot, Gujarat Science Academy & Essencetech held during 26th – 29th April, 2020.
14. Participated in the "**Shodh Webinar on Innovations and Entrepreneurship**" jointly organized by Sir P.T. Science College, Modasa, Community Science Centre, Aravalli, Essencetech, Student Startup and Innovation Policy (SSIP), Indian Society for Training and Development (ISTD) and Gujarat Council on Science and Technology (GUJCOST) held during 18th – 20th April, 2020.
15. Participated in the **VYOM- Webinar on "Observational and Theoretical Astronomy"** jointly organized by ASTRONOMICA (Astronomy club of St. Xavier's College), Department of Physics and Electronics, St. Xavier's College (Autonomous), Ahmedabad and ESSENCETECH held during 12th – 14th April, 2020.
16. Participated in Webinar on "Stories on Black Hole and Cosmos, Basic Astronomy and Nanotechnology" organized by Indian Institute of Teacher Education, Gandhinagar held during 12th – 14th April, 2020.
17. Participated in the **Physics Webinar: - "Stay Home, Enjoy Physics"** jointly organized by Indian Association of Physics Teachers (IAPT) RC-7 (Gujarat), ESSENCETECH, Department of Science & technology, Government of Gujarat and Gujarat Council on Science and Technology (GUJCOST) held during 06th – 12th April, 2020.
18. Participated with Physics Staff and Students in "**Interactive Physics Programme for Students and Teachers**" organized by IAPT RC 7 at Science City, Ahmedabad on 7th July, 2019.
19. Attended the **Grand Education Fair – 2018** with staff members organized by the KCG & Education Department, Government of Gujarat at Gujarat University Convention Centre during 2nd February, 2018 in which college had received a Certificate of Appreciation and Memento from the hands of Hon. Chief Minister and Hon. Education Minister for the excellence in NAAC.
20. Participated in an interactive one day programme on "**Role of Physics in the Worldwide ICT Revolution**" including essay competition for students organized by Gujarat Science City and Indian Association of Physics Teacher's Regional Council – 7 (IAPT RC-7) at Gujarat Science City, Ahmedabad on 7th July, 2018.
21. Attended "**Smart Gujarat for New India – HACKATHON**" organized by Education Department, GoG at Mahatma Mandir, Gandhinagar on 26th October, 2017.
22. Participated in **State Level One Day Programme on "Interactive Science Programme for School and College Teachers"** organized by Gujarat Council of Science City, GUJCOST and Gujarat Science Academy held at Science City, Ahmedabad on 8th October, 2017.

23. Attended **“India-Japan Business Plenary”** organized by Government of Gujarat at Mahatma Mandir, Gandhinagar on 14th September, 2017.
24. Attended **Grand Education Fair – 2017** organized by the KCG & Education Department, GoG at Gujarat University Convention Centre during 14-15 June, 2017.
25. Participated in **31st Annual IAPT National Convention – 2016** organized by Indian Association of Physics Teachers (IAPT), IAPT RC - 7 Gujarat and hosted by Department of Physics, Shri M. M. Patel Institute of Science and Research, Kadi Sarva Vishwavidyalaya, Gandhinagar during 20 – 22 October, 2016.
26. Participated in **International Conclave on Higher Education : Transforming Higher Education Through Quality, Governance & Innovation** organized by Department of Education, Government of Gujarat as a Pre-activity of Vibrant Gujarat Summit 2017 held at Mahatma Mandir, Gandhinagar on 18th October, 2016.
27. Participated in One Day **National Seminar on New Policies of Education** jointly organized by Faculty of Education & UGC : HRDC, Saurashtra University, Rajkot on 15th September, 2016.
28. Participated in One Day **National Seminar on “Light Scattering and FP Interferometry”** organized by Physics Department, Gujarat Arts & Science College, Ahmedabad on 27th August, 2016.
29. Participated in the National Workshop on **“Research and Career Opportunities in Astronomy”** organized by Gujarat Arts and Science College, Ahmedabad on 31st January, 2015.
30. Participated in the **Workshop on Innovative Experiments in Physics** organized by IAPT RC-7 (Gujarat) & St. Xavier’s College, Ahmedabad at St. Xavier’s College, Ahmedabad on 9th March, 2014.
31. Participated in the **New Delhi World Book Fair – 2014** organized by MHRD at New Delhi during 15/02/2014 to 18/02/2014.
32. Participated in the **National Education Summit (NES – 2014)** organized by Department of Education and KCG at Mahatma Mandir during 10/01/2014 to 11/01/2014.
33. Participated in the programme (as a representative of the Department of Education) **“Presentations on Best Practices”** conducted and organized by Department of Administrative Reforms and Public Grievances (DAR & PG), Ministry of Personnel, Public Grievances and Pensions, Government of India at **VIGYAN BHAVAN**, New Delhi on 14/6/2013
34. Participated in **International Conference for Academic Institutes – 2013 (ICAI-2013)** organized by Department of Education, Government of Gujarat and KCG at PDPU, Gandhinagar as a part of **Vibrant Gujarat Summit 2013** during 09 – 10, January, 2013.
35. Participated in **Vice Chancellor’s Meet** organized by Department of Education, Government of Gujarat and KCG at PDPU, Gandhinagar as a part of **Pre-Vibrant Gujarat Summit 2013** on 10th December, 2012.
36. Participated in **Chinatan Shibir on Higher Education** organized by Commissionrate of Higher Education, Gandhinagar & Knowledge Consortium of Gujarat, Gandhinagar held at Gandhinagar on 29th November, 2012.
37. Participated in **Vice Chancellor’s Meet** organized by Department of Education, Government of Gujarat and KCG at PDPU, Gandhinagar as a part of **Pre-Vibrant Gujarat Summit 2013** on 18th October, 2012.

38. Participated in one day programme on *Science, Education and Research* organized by KCG at Science City, Ahmedabad on 16th October, 2012.
39. Participated in *Chinatan Shibir on Higher Education* organized by Commissionrate of Higher Education, Gandhinagar & Knowledge Consortium of Gujarat, Gandhinagar held at Gandhinagar during 11 – 12 September, 2012.
40. Participated in the *State Level Orientation cum Planning Programme* for the zonal, district and cluster coordinators organized by Knowledge Consortium of Gujarat (KCG) at AMA, Ahmedabad during 25 – 26 June, 2012.
41. Participated in the *Capacity Building Programme for the Science Teachers of Higher Education* jointly organized by Knowledge Consortium of Gujarat (KCG) & Gujarat Council of Science City (GCSC) at Science City, Ahmedabad during 8 -10 March, 2011.
42. Participated in the *15th ISCB International Conference – 2011* on “Bridging Gaps in Discovery and Development: Chemical and Biological Sciences for Affordable Health, Wellness and Sustainability” organized by Department of Chemistry, Saurashtra University, Rajkot and Indian Society of Chemists & Biologists, Lucknow during 4 – 7 February, 2011.
43. Participated in the *39th National Seminar on Crystallography – 2010* (39th NSC-2010) organized by Department of Physics, P. G. Department of Physics and Electronics, University of Jammu, Jammu during 25 – 27 October, 2010.
44. Participated in the *National Workshop on X-Ray Diffraction Techniques and Applications (NWXR-2010)* organized by Department of Physics, Saurashtra University, Rajkot during March 17 – 19, 2010.
45. Participated in the *National Space Science Symposium – 2010 (16th NSSS-2010)* jointly organized by ISRO and Department of Physics, Saurashtra University, Rajkot during February 24 – 27, 2010.
46. Participated in the UGC sponsored National Level Workshop on *Nano-science and Nano-Technology : A curriculum Development Approach* organized by Matushri Virbaima Mahila Science and Home Science College, Rajkot on 21st February, 2010.
47. Participated in the one day *Writers’ Workshop for the General Knowledge Course* introducing as one of the foundation courses at UG level; organized by Saurashtra University, Rajkot on 20th November, 2009.
48. Participated in the *State Level Training Programme on – Training for Quality Improvement in Higher Education for College Teachers* conducted by SPIPA, Ahmedabad and CHE, Gandhinagar at SPIPA - Ahmedabad during 8 – 10 June, 2009.
49. Participated in the One Day Workshop to provide *Guideline for UGC Grant* jointly organized by IQAC (Internal Quality Assurance Cell), Saurashtra University, Rajkot and Shri H. N. Doshi Arts and R. N. Doshi Commerce College, Vankaner on February 5, 2009.
50. Participated in the *State Level Workshop on Communicating Science* jointly organized by Indian Association of Physics Teachers (IAPT RC 7) and Gujarat Council of Science City, Ahmedabad held at Science City, Ahmedabad on January 25, 2009.
51. Participated in the Workshop on *Effective Teaching & Learning Science Through English Medium* organized by the department of English, H. & H. B. Kotak Institute of Science, Rajkot on November 21-22, 2008.

52. Participated in the *Training Programme for Principals & College / University Teachers* conducted by CHE, Gandhinagar and Department of Education, Govt. of Gujarat at Saputara during 6-7 June, 2007.
53. Participated in the *Workshop on Exploring & Using MATLAB* organized by Department of Computer Science & IQAC, Saurashtra University, Rajkot on 29th March 2006.
54. Participated in the one day *Seminar on Current Trends in Materials Research* organized under UGC-SAP programme of the Department of Physics, Saurashtra University, Rajkot on 28th February, 2005.
55. Participated in the *Public Awareness Programme on Nuclear Energy* sponsored & conducted by Department of Atomic Energy, BARC, Trombay & O. V. Sheth Lok Vigyan Kendra, Rajkot during 21 – 22/07/2004.
56. Participated in the *First Regional Convention for IAPT RC - 7 (Gujarat) - Let Us Come Closer* for IAPT members in reference of International Year of Physics-2005 conducted by IAPT regional council RC-4(B) at St. Xavier's college, Ahmedabad on 18/07/2004.
57. Participated in the *Quality Improvement Programme for College Principal & Teachers* conducted by CHE, Gandhinagar and Department of Education, Govt. of Gujarat at Saputara during 29 - 30/03/2004.
58. Participated in the *National Workshop on Prospects of Astronomy Research in Universities* conducted by Department of Physics, Saurashtra University, Rajkot during 25 – 27 February, 2004.
59. Participated in the State Level *Workshop for State Resource Group (Pedagogy)* organized by Gujarat Council of Educational Research and Training (GCERT), Gandhinagar & District Institute of Education and Training, Vadodara at Chandod during 18 – 22 December, 2002.
60. Participated in the *DIET Capacity Building Workshop* organized at Sarv Vidyalay, Sector-23, Gandhinagar & conducted by GCERT, Gandhinagar during 25/10/2002 to 29/10/2002.
61. Participated in the *Orientation programme for Teacher Educators in Integration of Information Technology tools and IT-based learning resources in curriculum transaction* conducted by Department of Computer Education and Technological Aids, National Council of Educational Research and Training (NCERT) at National Centre for Computer Education – Chacha Nehru Bhawan, NCERT campus, New Delhi during 03 – 14/06/2002.
62. Participated as a member of State Resource Group – Pedagogy (Gujarat State) in the *Workshop on National Curriculum Frame Work* conducted by Gujarat State Board of School Text Books (GSBSTB), Department of Education, Gandhinagar, Gujarat during 8-9 December, 2001.
63. Participated in the *Computer Training Programme On Module – I & II* (Under GR no. ITP-1099-434-ITD, Dt 09/09/1999) at E. T. & T. Computer Education & Training Centre, Gandhinagar during 15/04/2001 to 22/07/2001.
64. Participated and presented a lesson through distance mode in the training course on *Video Distance Learning for SCERT* at Bharat Ratna Bhim Rao Ambedkar Institute of Telecom Training (BRBRAITT), Jabalpur conducted by BSNL during 01/08/2001 to 03/08/2001.

65. Participated in the *Millennium Inter State Camp for Promoting Experiential Value Education among Children* jointly organized by NCERT, New Delhi & GCERT, Gandhinagar held at Gandhinagar, Gujarat during 1 – 15 January, 2000.
66. Participated in the course *Orientation Programme in Science & Environment Education* organized and held at Vikram A. Sarabhai Community Science Centre, Ahmedabad during 29/03/1999 to 04/04/1999.
67. Participated in the *Orientation Course* organized by Centre for Cultural Resources and Training (CCRT), New Delhi during 23/06/1998 to 09/07/1998.
68. Participated in the *Training for Curriculum Material Development & Evaluation* organized by RIE, Bhopal at DIET – Vadodara during 13 – 19 October, 1997.
69. Participated in the *Conceptual Workshop* organized by GCERT, Gandhinagar & DPEP, Gandhinagar at Nargol during 07 – 13 April, 1997.

Organize Workshops / Capacity Building Programmes / Motivational Lectures

1. **Faculty Development Programme on NAAC : “Faculty Development Programme : Preparation for 3rd Cycle of NAAC Assessment & Accreditation”** was organised by IQAC, M. N. College, Visnagar for all the staff members and delivered lectures in as an IQAC deputy coordinator during 11th – 15th March 2024.
2. **A Workshop on Remote Sensing & Geographic Information System for Beginners :** A three day workshop on “*Remote Sensing & Geographic Information System for Beginners*” was organized for B.Sc. & M.Sc. Physics students by IQAC & Department of Physics, M. N. College, Visnagar during 5th – 7th February, 2024.
3. **Motivational Lecture on Dr A. P. J. Abdul Kalam :** A Tribute to Dr A. P. J. Abdul Kalam was was organized by IQAC & Department of Physics, Government Science College, Gandhinagar and delivered a Motivational Lecture for Students on “*Inspiring life of Dr A. P. J. Abdul Kalam*” on 27th July, 2023.
4. **Workshop on Remote Sensing & Geographic Information System :** A three day workshop on “*Remote Sensing & Geographic Information System : A Hands-on Workshop for Beginners*” was organized for Physics and Botany students by Department of Physics & Botany, Government Science College, Gandhinagar during 20th – 22nd July, 2023.
5. **Capacity Building Lecture on NEP-2020 :** Capacity Building Lecture session was organised and conducted by IQAC & NEP, Government Science College, Gandhinagar for all the staff members of Government Science College, Gandhinagar and delivered lecture as an IQAC / NEP coordinator on 23rd July, 2023.
6. **Live Streaming of Launching of Chandrayan – 3 :** Programme of showing the Live Streaming of Launching of LVM-3/M4 Chandrayan – 3 of ISRO, India’s Moon Mission was organized by the department of physics, Government Science College, Gandhinagar for all the staff members and students and provided brief information of Chandrayaan-3 on 14th July, 2023.

7. **Capacity Building Lecture Series @ GSC GNR** : Capacity Building Lecture Series was organised and conducted by IQAC, Government Science College, Gandhinagar for all the staff members of Government Science College, Gandhinagar and delivered lectures in *total eight capacity building lecture sessions as an IQAC coordinator* for the 3rd Cycle Preparation for NAAC during June – July 2023. (Dates of capacity building lecture sessions are 19/06/2023, 20/06/2023, 22/06/2023, 26/06/2023, 27/06/2023, 28/06/2023, 01/07/2023)
8. **Motivational Talk on Dr Vikram Sarabhai** : Motivational lecture on *“Inspiring Life of Dr Vikram Sarabhai - The Father of Indian Space Program”* was delivered at Samarpan Science College, Gandhinagar on 24th August, 2022.
9. **Celebration of 103rd Birth Anniversary of Dr Vikram Sarabhai** : Online Programme on Celebration of 103rd Birth Anniversary of Dr Vikram Sarabhai was organized by IQAC & Department of Physics, Government Science College, Gandhinagar on 12th August, 2022 and delivered online lecture on *“Inspiring Life of Dr Vikram Sarabhai - The Father of Indian Space Program”* .
10. **A Tribute to Dr A. P. J. Abdul Kalam** : A Tribute to Dr A. P. J. Abdul Kalam was organized by IQAC & Department of Physics, Government Science College, Gandhinagar on 27th July, 2022 and delivered a talk on Dr A. P. J. Abdul Kalam.
11. **CPEx-2022** : Competition for Physics Experiments – 2022 for higher secondary, under graduate & post graduate students was jointly organized by the Department of Physics, Government Science College, Gandhinagar; IITE – Gandhinagar and IAPT RC 7 on 25th February, 2022.
12. **Online State Level Seminar on National Science Day – 2021** : Two day Online **State Level Seminar** was organized by the Department of Physics, Government Science College, Gandhinagar during 27th -28th February, 2021. Also delivered a Lecture on : *“Inspiring Life of Great Indian Physicist & Nobel Laureate Sir C. V. Raman”* in this NSD State Level Seminar.
13. **“Fun With Physics” Programme of Prof. Dr. H. C. Verma Sir** : “Fun With Physics” Programme of Prof. Dr. H. C. Verma Sir - Retired IIT Kanpur well-known Experimental Physicist, Educationist, Author organized at Government Science College, Gandhinagar by the Department of Physics, GSC GNR, IAPT RC-7, Gujarat Chapter on 30/01/2018.
14. **Celebration of 125th Year of Swami Vivekanand’s Speech at 1893 World’s Parliament of Religions at Chicago** : Live Streaming of *“Young India, New India. A Resurgent Nation : From Sankalp to Siddhi”* was shown at Government Science College, Gandhinagar on 11th September, 2017 the occasion of 125th Year of Swami Vivekanand’s Speech at 1893 World’s Parliament of Religions at Chicago.
15. **Stage Show on Physics Experiments** : A Stage Show on Physics Experiment by Dr T. R. Ananthkrishnan & Prof Savithri Ananthkrishnan was jointly organized by IAPT RC 7 and Government Science College, Gandhinagar on 18th October, 2016.

PARTICIPATION AS A RESOURCE PERSON / FACILITATOR

1. Participated as a Facilitator / Judge / member of organizing committee in a “**State Level Teachers Training Program for Secondary Science Teachers**” organized by Gujarat Science Academy & Indian Institute of Teacher Education at Indian Institute of Teacher Education (IITE), Gandhinagar during 12 - 20 November, 2018.
2. Participated as a facilitator (in capacity of in-charge Director – Extension, KCG) State Level **One Day Workshop for SANDHAN Initiative In-charges of all the Higher Education Districts of Gujarat and Subject Coordinators** at Bhaskaracharya Institute For Space Applications and Geo-Informatics (BISAG), Gandhinagar on 16th July, 2013.
3. Participated as a facilitator (in capacity of in-charge Director – Extension, KCG) and delivered a presentation in the state level programme for college principals – “**Leadership Retreat for Principal**” conducted by KCG at Chaitanyadham during 7-9 March, 2013.
4. Participated as a facilitator in the “**Science Carnival**” at Gujarat Science City, Ahmedabad during 28 February to 4th March, 2013.
5. Participated as a facilitator (in capacity of in-charge Director – Extension, KCG) and delivered a presentation in the state level programme for college principals – “**Leadership Retreat for Principal**” conducted by KCG at Chaitanyadham during 18-20 February, 2013.
6. Participated as a facilitator (in capacity of OSD – GEIC) in the **State Level Orientation Programme For Innovation Cell Coordinators** jointly conducted by IIMA, GCERT and GEIC at GCERT during 15-16 February, 2013.
7. Participated as a facilitator (in capacity of in-charge Director – Extension, KCG) State Level **One Day Orientation Programme for SANDHAN Initiative In-charges** of all the Higher Education Districts of Gujarat at BISAG on 12th February, 2013.
8. Presented a talk (in capacity of OSD – GEIC) on Gujarat Educational Innovation Commission at the **State Level Capacity Building Programme for DIET Lecturers** at LDRP Institute of Technology and Research, Gandhinagar on 1st February, 2013.
9. Participated as a Resource Person in **State Level One Day Orientation Programme for SAPTADHARA Initiative In-charges** of all the Higher Education Districts of Gujarat at BISAG on 12th October 2012.
10. Participated as an expert in the **Review Meeting** to review the programmes delivered through SANDHAN from BISAG, Gandhinagar on 29th September, 2012.
11. Along with the Hon. Commissioner of Higher Education & CEO – KCG and the Adviser of KCG Participated as a facilitator (in capacity of in-charge Director – Extension, KCG) and delivered a lecture on “**Quality Enhancement Programme For Higher Education All Over Gujarat Through Mission Mode Implementation (MMI)**” at Hemchandracharya North Gujarat University, Patan to the august gathering of Hon. Vice – chancellor along with all officials, HoDs, Senior Professors and HED coordinators, Principals of all the colleges affiliated with HNGU on 1st September, 2012.
12. Participated as a resource person (in capacity of in-charge Director – Extension, KCG) and delivered a lecture on “**Data Base Management in Mission Mode Implementation**” from SANDHAN (All Gujarat Integrated Class—room), BISAG, Gandhinagar on 29th August, 2012.

13. Along with the Adviser of KCG, participated as a facilitator (in capacity of in-charge Director – Extension, KCG) and delivered a lecture on **“Quality Enhancement Programme For Higher Education All Over Gujarat Through Mission Mode Implementation (MMI)”** at Saurashtra University, Rajkot and also conducted a **Two Way Videoconferencing** among Hon. Commissioner of Higher Education at SANDHAN, BISAG – Gandhinagar and Hon. Vice – chancellor along with all officials, HoDs, Senior Professors and HED coordinators, Principals of all the colleges affiliated with University at Saurashtra University, Rajkot on 27th August, 2012.
14. Along with the Hon. Commissioner of Higher Education & CEO – KCG, participated as a facilitator (in capacity of in-charge Director – Extension, KCG) on **“Quality Enhancement Programme For Higher Education”** at BJVM college, Anand to the august gathering of Hon. Vice – chancellor along with all officials, HoDs, Senior Professors and HED coordinators, Principals of all the colleges of Anand 1 & 2 HEDs on 17th August, 2012.
15. Participated as a facilitator in the **State Level Orientation Cum Planning Programme** for the zonal, district and cluster coordinators conducted by Knowledge Consortium of Gujarat during 25-26 June, 2012.
16. Participated as a Resource Person in the **Teleconference** through TDCC channel for the PTC students on **5th Standard Science - Maths : Content & Teaching Method** conducted from the studio & uplink station of BISAG, Gandhinagar conducted by GCERT, Gandhinagar during 31/01/2006 to 02/02/2006.
17. Participated as a Resource Person & conducted MCQ test in the **One Day Seminar For College Students** organized by IAPT Regional Council, IAPT Rajkot chapter, Department of Physics, Saurashtra University and O. V. Sheth Lok Vigyan Kendra, Rajkot on 31/12/2005.
18. Participated as a Resource Person in the **Teleconference** through TDCC channel for the PTC students on **Science : Content & Teaching Method** conducted from the studio & uplink station of BISAG, Gandhinagar conducted by GCERT, Gandhinagar on 20/01/2005.
19. Participated as a Resource Person in the **Training Programme on new text-book of 8th standard Science & Technology** for the Science teachers of high schools organized at Sarv Vidyalay, Sector-23, Gandhinagar & conducted by Gujarat Secondary Board, Gandhinagar on 21 –23 May, 2004.
20. Participated as a Resource Person in the **Workshop to prepare the Teachers’ Training Modules on the new text book of 8th standard Science & Technology** organized at *Preksha Vishva Bharti*, Koba, Gandhinagar & conducted by the office of *Commissioner of Schools, Gandhinagar; Gujarat Secondary & higher secondary board & DEO office Gandhinagar* during 05 –07 May, 2004.
21. Participated as a Resource Person in the **Capacity Building Workshop for the lecturers of IFIC branch of DIETs** organized at DIET, Gandhinagar & conducted by GCERT, Gandhinagar on 07 – 10/05/2003.
22. Participated as a Resource Person in the **Teleconference** through TDCC channel for the teachers on **7th Science: Activity Based Teaching** conducted from the studio & uplink station of RESECO, Gandhinagar organized by GCERT, Gandhinagar on 11th February, 2003.

23. Participated as a Resource Person in the **Teleconference** through TDCC channel for the PTC students on *Adolescence Education* conducted from the studio & uplink station of RESECO, Gandhinagar conducted by GCERT, Gandhinagar on 11th December 2001.
24. Participated as a Resource Person in the **Teleconference** through TDCC channel for the DIET lecturers on *Capacity Building of DIETs* conducted from the studio & uplink station of RESECO, Gandhinagar conducted by GCERT, Gandhinagar on 11th December 2001.
25. Participated as a Resource Person in the **Teleconference** through TDCC channel for the teachers on *5th Science: Activity based Teaching* conducted from the studio & uplink station of DECU – ISRO, Ahmedabad conducted by GCERT, Gandhinagar on 21st December 1998.

PARTICIPATION IN SCIENCE – MATHS EXHIBITION :

- Participated & guided the B.Sc. students - Adesara Denis and Delvadiya Maulik to present a project on *Nuclear Energy & Societal Development* in the Science college section of the *32nd State level Maths-Science Exhibition* conducted by GCERT and Department of Education, Government of Gujarat held at Gujarat Science City, Sola, Ahmedabad during 2 - 6 January, 2005.

PARTICIPATION IN TLM EXHIBITION :

- Participated & guided the PTC students & primary teachers to present various Teaching Learning Materials (TLM) in the State level TLM – Teaching Learning Material Exhibition organized by GCERT, Gandhinagar at Government High School, Sector-12, Gandhinagar during 3 - 4 April, 1998.

MEMBER OF APPRAISAL COMMITTEE :

Served as a Member of Evaluator / Appraisal Committee in *State level Maths-Science Exhibition (known as Science Fair)* conducted by Gujarat Council of Educational Research and Training (GCERT), Gandhinagar & Department of Education, Government of Gujarat.

1. 38th State level Maths-Science Exhibition at Gujarat Science City, Sola, Ahmedabad during 23 - 24 November, 2010.
2. 36th State level Maths-Science Exhibition at Grow More Educational Institute, Aagiyol – Berna, Shamlaji Road, Himatnagar during 24 – 26 November, 2008.
3. 34th State level Maths-Science Exhibition at Shree Swaminarayan Mission School, Laskana, Surat – Kamrej road, Surat during 6 - 9 November, 2006.
4. 33rd State level Maths-Science Exhibition at Virayatan Vidyapith, Jakhaniya, Bhuj – Mandvi Road during 17 - 20 November, 2005.

5. 32nd State level Maths-Science Exhibition at Gujarat Science City, Sola, Ahmedabad during 3 - 6 January, 2005.
6. 31st State level Maths-Science Exhibition at Sarv Vidyalay Kadi campus, Sector-23, Gandhinagar during 4 - 6 November, 2003.
7. 30th State level Maths-Science Exhibition at Paramguru Pathshala, Sarsa, Dist. Anand during 28 - 30 April, 2003.

ACADEMIC AFFILIATION MEMBERSHIP :

1. Life Member of the Indian Association of Physics Teachers (IAPT) (Life Membership No. 7040 L 3927)(2003 onwards)
2. Member of the MRS (Materials Research Society), Singapore (2009 to 2013)
3. Member of the Indian Association for Crystal Growth (2006)
4. Member of Appraisal committee in *State Level Maths-Science Exhibition* formed by Gujarat Council of Educational Research and Training (GCERT), Gandhinagar (1997 – 2008)
5. Member of the Core Team of Text Book Writers formed by Gujarat State Board of School Text Books, Department of Education, State Government of Gujarat, Gandhinagar, Gujarat (1997 to 2005)
6. Member of State Resource Group – Pedagogy formed by Gujarat Council of Educational Research and Training (GCERT), Gandhinagar (1997 to 2003)
7. Member of Gujarat State Government College Teachers Association (2003 onwards)

WORK AT KNOWLEDGE CONSORTIUM OF GUJARAT (KCG):

- **HED Visit – 1** : Organized and conducted Higher Education District (HED) level meetings of District Coordinators, Cluster Coordinators, College Principals and Initiative incharges of HED under Quality Enhancement Programme for Higher Education All over Gujarat through Mission Mode Implementation (MMI) at 5 HED places during 19-21 July, 2012.
- **HED Visit – 2** : Organized and conducted Higher Education District (HED) level meetings of District Coordinators, Cluster Coordinators, College Principals, Initiative incharges of HED and CSHEADs under Quality Enhancement Programme for Higher Education All over Gujarat through MMI at 5 HED places during 22-24 August, 2012.
- **HED Visit – 3** : Organized and conducted Higher Education District (HED) level meetings of District Coordinators, Cluster Coordinators, College Principals and Initiative incharges of HED under Quality Enhancement Programme for Higher Education All over Gujarat through MMI at 5 HED places during 5-7 November, 2012.
- **HED Visit – 4** : Organized and conducted Higher Education District (HED) level meetings of District Coordinators, Cluster Coordinators, College Principals and Initiative

incharges of HED under Quality Enhancement Programme for Higher Education All over Gujarat through MMI at 5 HED places during 15-18 April, 2013.

- **Collection of College Data :** Collected data through a questionnaire from more than 400 college principals of the colleges of Gujarat. The data obtained from the questionnaire are analyzed and presented the scenario of higher education of Gujarat to the concerned higher authorities in the OCHE, KCG & education department to take necessary follow up for the quality improvement in higher education.
- Participated as a facilitator in the state level orientation cum planning programme for the zonal, district and cluster coordinators conducted by Knowledge Consortium of Gujarat during 25-26 June, 2012.
- Participated in the programme for all the Science College Principals on “Science, Education and Research” conducted by KCG at Science City on 16/10/2012.
- **CHINTAN SHIBIR :**
 - Participated in the **CHINTAN SHIBIR** at Gandhinagar conducted by OCHE & KCG during 11-12 September, 2012.
 - Participated as a member of “Team Higher Education” in the CHINTAN SHIBIR at Gandhinagar conducted by OCHE & KCG during 29/11/2012.
- **Organized and conducted Orientation Programme :** Organized and conducted State Level one day Orientation Programme for SAPTADHARA Initiative In-charges of all the Higher Education Districts of Gujarat at BISAG on 12/10/2012.
- **SAPTATARA programme for Students :** Planned SAPTATARA programme for students at Uka Tarsadia University in December-2012.
- **International Conference for Academic Institutes :** Participated in the International Conference for Academic Institutes (ICAI) conducted by Department of Education & KCG at PDP, Gandhinagar during Vibrant Gujarat Summit 9-10 January, 2013.
- **Organized and conducted Orientation Programme :** Organized and conducted State Level one day Orientation Programme for SANDHAN Initiative In-charges of all the Higher Education Districts of Gujarat at BISAG on 12th February, 2013.
- **Leadership Retreat for College Principal :**
 - Participated as a facilitator and delivered a presentation in the state level programme for college principals – “Leadership Retreat for Principal” conducted by KCG during 18-20 February, 2013.
 - Participated as a facilitator and delivered a presentation in the state level programme - Leadership Retreat for Principal conducted by KCG during 7-9 March, 2013.
- **University Level Saptadhara Mahotsav – 2013 :** Organized & Guided University Level Saptadhara Mahotsav – 2013 in February 2013.
- **State Level Saptadhara Mahotsav – 2013 :** Organized “State Level Saptadhara Mahotsav – 2013” at Gujarat University, Ahmedabad in coordination of Directors, Department of Youth Welfare and Cultural Activities of Gujarat University and Senior Officials, Principals during 26-27 February, 2013.
- **Science Carnival :** Participated as a facilitator in the “Science Carnival” at Science City during 28 February to 4th March, 2013.

- Contribution to the *Parmita – Gyan Patra* - Magazine published by OCHE.
- Participated in the programme (as a representative of the Department of Education) “**Presentations on Best Practices**” conducted and organized by (DAR & PG) Department of Administrative Reforms and Public Grievances, Ministry of Personnel, Public Grievances and Pensions, Government of India at VIGYAN BHAVAN, New Delhi on 14/6/2013.
- **Organized and conducted Workshop** : Organized and conducted state level one day workshop for SANDHAN Initiative In-charges of all the Higher Education Districts of Gujarat and subject coordinators at BISAG on 16/07/2013.
- **E-Gyan Portal** : Provided academic support to develop the E-Gyan Portal for the online evaluation of Saptadhara Initiative. E-Gyan Portal is developed by Commissionerate of Higher Education, Gandhinagar.
- **Evaluation through E-Gyan Portal** : Carried out online evaluation of saptadhara activities of 400 colleges of Gujarat and categorized the colleges in A, B, C and D grades.
- **KCG Film** : Provided academic support to prepare the film on KCG, which was screened at the inauguration function of KCG in the inspiring presence of Hon. Chief Minister of Gujarat. The film is available on Hon. PM’s *YouTube* Channel. (Link of Film : <https://www.youtube.com/watch?v=0IKZCQfdjRg>)
- **KCG New Campus Inauguration Function** : Active role in the activities of Inauguration function of KCG - Prajna Puram Campus, Ahmedabad on 16th May 2013. KCG was inaugurated by Hon. Chief Minister of Gujarat.
- **As a Peer Team Member** : Carry out an Internal NAAC of Sheth M. N. Science College, Patan as a peer team member on 28/07/2013.
- **PPTs** : Prepared various Power Point Presentations for the various meetings, workshops, trainings, reports to present against professors, MMI coordinators, Principals, Higher Authorities in Education Department and Government.
- **SANDHAN Programme on Revisit Quality Process New forms of Education** : Played a role as an anchor and shared a dais with **Professor Dr Arun Nigavekar, Ex. Chairmen of UGC and the Founder director of NAAC** in the Special Guest Lecture on “Revisit Quality Process New forms of Education” organized through SANDHAN-BISAG.
- **SANDHAN** : Also look after the All Gujarat Integrated Classroom through SANDHAN from BISAG, Gandhinagar in coordination with Senior Officials at OCHE & KCG and Coordinator SANDHAN.
- **Mission Mode Implementation (MMI) Data** :
 - Prepared / updated the required data base for Mission Mode Implementation of all the Initiatives in Higher Education along with the senior officials at KCG under the guidance of Hon. CEO - KCG.
 - Under the MMI project 1032 colleges of Gujarat are classified in 5 Zones, 57 Higher Education Districts (HEDs), 286 clusters. Also updated the data base of State Coordinators, Zonal Coordinators, HED’s Coordinator, Cluster Coordinators & CS HEAdS (College Students Higher Education Ambassadors) of Gujarat. (2012-13)
- **Budget** : Developed a five year vision of KCG and prepared budget proposal accordingly.

✚ WORK AT GEIC :

- **State Level Innovation Exhibition :** Execute first “State Level Innovation Exhibition” for innovative primary teaches at Rajkot during 4/1/2013 to 7/1/2013.
- **MoU :** Signed MoU in the encouraging presence of Education Minister during Vibrant Gujarat Summit 2013. The MoU was signed among the Gujarat Educational Innovations Commission, Gujarat Council Of Educational Research And Training and Ravi J. Matthai Centre For Educational Innovation, The Indian Institute Of Management to foster innovative practices in primary education.
- **Talk in Capacity Building Programme for DIET Lecturers :** Presented a talk on Gujarat Educational Innovation Commission at the State Level Capacity building programme for DIET lecturers at LDRP Institute of Technology and Research, Gandhinagar on 01/02/2013.
- **State Level Orientation Programme For Innovation Cell Coordinators :** Participated as a facilitator in the state level orientation programme for innovation cell coordinators jointly conducted by IIMA, GCERT and GEIC at GCERT during 15-16 February, 2013.

✚ STUDY TOUR / FIELD VISIT :

- Conducted One Day Field Visit for B.Sc. Physics students to Facilitation Centre for Industrial Plasma Technologies (FCIPT), Gandhinagar on 3rd September, 2014.
- Participated and Conducted a study tour for B.Sc. Students to Science City, Ahmedabad during 17th National Children Science Congress (NCSC – 2009) based on the theme ‘Planet Earth — our home: explore, share and care’ on 30th December, 2009.
- Conducted One Day Field Visit for B.Sc. Physics students to Radio Mirchi FM Radio Station, Rajkot. (2009).
- Conducted One Day Field Visit for selected B.Sc. students to Doordarshan Kendra, Rajkot on 24th February, 2009.
- An adventure one day trip for T.Y. B.Sc. Physics Students to the Marine National Park and Marine Sanctuary - Narara Island, in the Gulf of Kutch at Jamnagar.
- Participated as a core member of State Resource Group - Pedagogy in the study tour to Karnataka – To study the Innovations in the Education System of Karnataka organized by GCERT, Gandhinagar & sponsored by UNICEF during the year 2002.
- Participated as a core member of State Resource Group - Pedagogy in the study tour to Madhya Pradesh – *To study the Innovative Project HSTP for the Science Education in Madhya Pradesh* organized by GCERT & G.S.B.S.T.B., Gandhinagar & sponsored by UNICEF during 19 – 22, September 2000.

✚ PARTICIPATION IN TELEVISION PROGRAMME :

- Participated as a science expert in the science based Doordarshan Programme – “*Vigyan ni Vistarti Xitijo*” produced by Doordarshan Kendra, Rajkot and talked about *CHANDRAYAAN – I*, India’s first Lunar Probe launched by ISRO in October, 2008. The programme was telecasted by DD-Rajkot and DD-11 on 25/2/2009 and 2/3/2009 respectively.

✚ PARTICIPATION IN RADIO SERIES PROGRAMME :

- As a Research Associate in GCERT, under the guidance of Director – GCERT and senior officials, taken care of all the aspects for the preparation of Radio Programmes like script writing (from the Scholars of SRG), recording, editing & broadcasting of the 17 episode *Radio Series – Bhar Vinanu Bhanter (Education Without Burden)* produced & sponsored by GCERT, Gandhinagar.
- The Radio Series started from Teachers’ day on 05/09/2002. Each & every episode broadcasted twice by all the regional Radio Stations of Gujarat. (2002)

✚ PARTICIPATION IN VIDEO PROGRAMMES :

- **KCG Film** : Provided academic support to prepare the film on Knowledge Consortium of Gujarat (KCG), which was screened at the inauguration function of KCG on 16th May, 2013 in the inspiring presence of Hon. Chief Minister of Gujarat. (2013)
- **Video Programmes on Science** : As an Assistant Project Coordinator of the IPTT ITV Project (*A collaborative Project of MHRD, NCERT, GCERT, ITU & UNESCO*), taken care of all the aspects of the Production of Video Programmes like Coordination with Producers (Directors), script writing, recording, non linear editing, Previewing etc... of the following video programmes produced by IPTT ITV Project Cell, GCERT, Gandhinagar. (1999 – 2001)
 - Science in our day to day life (Director : Bankim Paramar)
 - Learn to Classify (Director : Sachin Narashana)
 - Living & Nonliving (Director : Dixit Soni)
 - Energy (Director : Dixit Soni)
 - Seed and Germination Part : I (Director : Raju Barot)
 - Seed and Germination Part : I & II (Director : Raju Barot)
 - Soil (Director : Manishi Jani)
 - Water (Director : Sandip Patel & Artiben Patel)
- **Documentary on Stress Relief Programme** : Taken care of all the aspects of the Production of the Documentary Video Programme on “*Stress Relief Programme Conducted by GCERT*”, which was carried out after the devastating earthquake 26th

January, 2001), in all the earthquake affected areas of Gujarat. The documentary was produced by IPTT ITV Project Cell, GCERT, Gandhinagar and sent to MHRD. (2001)

- **GIET Programmes** : Taken care of all the aspects of the Production of Video Programme like Coordination with Producers (Directors), script writing, recording, non linear editing, Previewing etc... of the following programmes produced by GIET, Ahmedabad.
 - Documentaries on Science Fair (1998-99)
 - Solar Energy (1998-99)
 - Total Solar Eclipse : At *Tikar Ran*, Nr. Halvad, The Desert of Kutchh (Region covering total solar eclipse belt) (11th August, 1999)

+ PARTICIPATION IN AUDIO PROGRAMMES :

- As an Assistant Project Coordinator IPTT-ITV Project, provided academic support and taken care of all the aspects of the Educational Audio Cassette Production like script writing, recording, editing, duplicating, etc...
- Produce 3 Audio Cassettes as Self Instructional Audio Material in the subjects of Maths & English under IPTT-ITV Project Cell of GCERT. (1999 – 2001)

+ PARTICIPATION IN SCIENCE / EDUCATION POPULAR LECTURES:

1. Participated in the lecture on Science Teacher Enrichment organized at O. V. Sheth Lok Vigyan Kendra, Rajkot on 20th February, 2010.
2. Participated in the academic interactions on *Challenges in Teacher Education* with the Vice Chairman of UGC Prof. Ved Prakash organized at Academic Block, Saurashtra University, Rajkot on 13th December, 2009.
3. Participated in the *Science Stage Show* given by Dr M. G. Tarnekar organized at O. V. Sheth at Lok Vigyan Kendra, Rajkot on 30/07/2007.
4. Participated in the lecture on *Schrodinger's Cat & Quantum Mechanics* by Prof Y. R. Waghmare, organized at O. V. Sheth Lok Vigyan Kendra, Rajkot on 18/02/2006.
5. Participated in the lecture on *Elementary Particles & Neutrino* by Dr Anjan Joshipura, organized at O. V. Sheth Lok Vigyan Kendra, Rajkot on 05/03/2005.
6. Participated in the lecture on *Philosophy & Theory of Relativity* by Prof Sharma, organized at O. V. Sheth Lok Vigyan Kendra, Rajkot on 28/02/2005.
7. Participated in the lecture on *Molecules in Cosmic Objects* by Prof Suresh Chandra, School of Phy. Sc, SRTM University, Nanded organized at Department of Physics, Saurashtra University, Rajkot on 21/04/2003.
8. Participated in the lecture on *Fire and storm on the Sun* by Dr Ashok Ambastha, Scientist, Udaipur Solar Observatory organized at Department of Physics, Saurashtra University, Rajkot on 22/03/2003.

✚ CITATIONS & INDICES : (As on 07/12/2023)

- **Total Number of Citations** : 547 (as per Google Scholar)
- **Total Number of Citations** : 539 (As per Research Gate)
- **Total Number of Citation** : 346 (As per Scopus)
- **Total Number of Citation** : 309 (As per Web of Science)
- **H – Index** : 09 (As per Google Scholar)
- **H – Index** : 09 (As per Scopus)
- **H – Index** : 08 (As per Web of Science)
- **H – Index** : 11 (As per Research Gate)
- **i10 Index** : 08 (as per Google Scholar)
- **RG Research Interest Score** : 312.5 (As per Research Gate)

✚ WEB PAGES ON INTERNET :

- **My Web Page On Research Gate :**
<https://www.researchgate.net/profile/Chetan-Chauhan-2>
- **My Web Page on Google Scholar :**
<https://scholar.google.co.in/citations?user=-P4ckOUAAAAJ&hl=en>
- **My Web Page on Academia.edu :**
<https://saurashtrauniversity.academia.edu/ChetanKChauhan>
<https://pintu.academia.edu/DrCHETANKCHAUHAN>
- **My Web Page on SCOPUS : (SCOPUS Author ID : 35326171000)**
<https://www.scopus.com/authid/detail.uri?authorId=35326171000>
- **My Web Page on Web of Science : (Web of Science Researcher ID: JRX-5955-2023)**
<https://www.webofscience.com/wos/author/record/JRX-5955-2023>
- **My Web Page on ORCID : (ORCID ID : 0009-0007-4707-5471)**
<https://orcid.org/0009-0007-4707-5471>
- **My Web Page on Bio Web Spin :**
<http://www.biowebspin.com/members/ckc33/>
- **My Web Page on Infilbnet / Vidwan Profile :**
Profile URL: <https://vidwan.infilbnet.ac.in/profile/503602>
- **My Web Page on research id :**
Profile URL: https://researchid.co/ckc_research

 **Academic / Research Profile IDs :**

- **SCOPUS : SCOPUS Author ID : 35326171000**
- **WEB OF SCIENCE : Web of Science Researcher ID: JRX-5955-2023**
- **ORCID : ORCID ID : 0009-0007-4707-5471**
- **VIDWAN ID : 503602**
- **Research ID : rid77005**