

## **RESUME**



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| <b>NAME</b>  | Dr. Shrinivas Dattatrayrao Ghan  |
| <b>DEPARMENT &amp; FACULTY</b><br>(Address for Correspondence) | Department of Electronics Yogeshwari<br>Mahavidyalaya Ambajogai, Dist. Beed,<br>Pin.431 517 (M.S.) |
| <b>DATE OF BIRTH</b>   | 10/06/1968   |
| <b>SEX</b>   | Male   |
| <b>PHONE/CEL.</b>  | <b>7588975714</b>  |
| <b>RES. ADDRESS</b>  | Kalyan nagar, Mandwa Road<br>Ambajogai, Dist. Beed Pin.431 517 (M.S.)                              |
| <b>CURRENT DESIGNATION</b>                                     | Assistant Professor in Electronics   |
| <b>DATE OF APPOINTMENT</b>                                     | 12 <sup>Th</sup> December 2003   |
| <b>CATEGORY</b>  | Open   |

### EDUCATIONAL QUALIFICATION

| NAME OF EXAM      | BOARD/UNIVERSITY              | SUBJECTS                                 | YEAR OF PASSING | GRADE |
|-------------------|-------------------------------|--|-----------------|-------|
| H. S. C.          | Aurangabad Board              | General                                  | M/A 1986        | II    |
| B.Sc              | Marathwada Uni.<br>Aurangabad | Physics,<br>Electronics,<br>Maths        | M/A 1989        | II    |
| M.Sc(Phy./Elect.) | Marathwada Uni.<br>Aurangabad | Physics<br>Specialization<br>Electronics | M/A 1992        | II    |

### RESEARCH DEGREE

| DEGREE             | TITLE OF THESIS  | DATE OF AWARD | UNIVERSITY                   |
|--------------------|--|---------------|------------------------------|
| Ph.D<br>(Physics ) | Microstructural Properties of Zeolite Crystals and their interrelations with MacroProperties | 07/04/2000    | S.R.T.M.University<br>Nanded |

### PAPERS TAUGHT IN UG LEVEL

| CLASS            | SUBJECT     | NAME OF PAPER                               |
|------------------|-------------|---|
| B.Sc. I & II sem | Electronics | Amplifiers , Practical papers               |
| B.Sc III& IV sem | Electronics | Communication Electronics, Practical papers |
| B.Sc.V&VI sem    | Electronics | Power Electronics, Instrumentation          |

### RESEARCH PROJECT UNDER TAKEN

| Project                | Funding Agency                          | Project Title  | Project Period and Amount | Amount Sanctioned | Present Status |
|------------------------|---|--|---------------------------|-------------------|----------------|
| Minor Research Project | University Grants Commission ,New Delhi | Ion-Exchange & Thermal Properties of Group V &VII Zeolites & their allied applications | May 2009—<br>May 2011     | Rs.1,00,000/-     | Completed      |

**TEACHING EXPERIENCE**

**11Yrs ( UG Level )**

**PUBLICATIONS**

**17 Papers in International Journals**

**CONFERENCES/SEMINARS  
/WORKSHOPS**

**25**

**ACADEMIC MEMBERSHIPS**

**Life Members of**  
Indian Association of Physics Teachers(IAPT)  
Indian Physics Association (IPA)

( Dr.S.D.Ghan )

**Papers Presented in National conferences /Seminars/Workshops**

| <b>Sr. No</b> | <b>Title of Paper</b>  | <b>Level</b> | <b>Name and Place</b>  | <b>Period</b> |
|---------------|--|--------------|--|---------------|
| 1             | Studies on characterization and properties of a fibrous Zeolite-Mesolite | National     | National Symposium on Crystal Growth & Characterization , Loyola College, Chennai                    | 29-30Sep.2005 |
| 2             | Thermal behaviour of heulandite crystals from Marathwada region of India | National     | National Seminar on Recent Advancements in Materials & Energy, Voorhees College, Vellore (Tamilnadu) | 8-9Mar.2008   |
| 3             | Wastewater Treatment by using Natural Zeolites                           | National     | National Conference on Global Environmental Problems, Its Impact & Solutions, N.S.B.College, Nanded  | 26-27Feb.2013 |
| 4             | Zeolites & their Industrial & Environmental applications                 | National     | National onSeminar onResearch Aptitude in Sciences : A Thought, N.S.B.College, Nanded                | 31Mar.2013    |
| 5             | Review of laboratory teaching methods in physics                         | National     | National seminar on effective teaching methods in Physics, Devgiri College, Aurangabad               | 30-31Aug.2013 |
| 6             | Crystal Structure and Applications of                                    | National     | National seminar on Advances in innovative materials& applications                                   | 21Sep.2013    |

|    |  |          |   |               |
|----|--|----------|---|---------------|
|    | Heulandite Group Zeolites  |          | GSG Mahavidyalaya, Umerkhed   |               |
| 7  | Applications of natural zeolites in Aquaculture                          | National | National Workshop on Techniques of Scientific Writing<br>Yogeshwari Mahavidyalaya, Ambajogai                        | 18-19Jan.2014 |
| 8  | Thermal Studies of Heulandite Crystals using Infrared Spectroscopy.      | National | National conference on Material Science.<br>K.S.K.Arts Science &commerce College, Beed.                             | 12-13Dec.2014 |
| 9  | Removal of heavy metal ions from water using natural zeolites.           | National | National conference on Material Science & Technology<br>Miliya Arts Science & Mgmt.Sci.College, Beed                | 23-24Dec.2014 |
| 10 | Removal of hardness of water using chemically treated coal fly ash (CFA) | National | Interdisciplinary National Seminar on Water Management & Sustainable Development<br>Shri.P.P.Mahavidyalaya, Sirsala | 02 Jan.2015   |

## List of Publications

- 1) Removal of ammonium ions from waste water using natural zeolites.

Ghan S.D. , Bakshi H.V. & Bhoskar B.T.

Asian J. of Chem. : 17(1) , 634 (2005)

- 2) Thermal behaviour and structural properties of cation exchanged heulandites.

Ghan S.D. , Bakshi H.V. , Kasture M.W. & Bhoskar B.T.

Int. J. Chem. Sci. : 3(4) , 745 (2005)

- 3) Thermal behaviour of natural stilbite.

Bakshi H.V. , Ghan S.D. , kasture M.W. & Bhoskar B.T.

Int. J. Chem. Sci. : 3(2) , 347 (2005)

- 4) Studies on structural properties of heulandites crystals from Marathwada-India

Ghan S.D. , Bakshi H.V. , Kasture M.W. & Bhoskar B.T.

Mat. Sci. Res. Ind. : 3(1a) , 109 (2006)

- 5) Studies on characterization and thermal behavior of natrolite.

Bakshi H.V. , Ghan S.D. , Kasture M.W. & Bhoskar B.T.

Mat. Sci. Res. Ind. : 3(1a) , 93(2006)

- 6) Investigation of the structure of few natural zeolites from Marathwada by solid state high resolution  $^{29}\text{Si}$  NMR spectroscopy.  
Bakshi H.V. , Ghan S.D. , Kasture M.W. & Bhoskar B.T.  
Mat. Sci. Res. Ind. : 3(1a) , 119(2006)
- 7) A brief review of laboratory teaching methods in physics  
Ghan S D.,Kawade V B, Kathare R V, Topare R J  
Souvenir: National Seminar on Innovative Teaching Methods In Physics (**Aug.2013**)  
Department of Physics Deogiri College, Aurangabad ISBN 978-81-926750-0-9
- 8) Innovative Teaching : Need and Applications  
Kawade V B, More S S, Ghan S D, Nisal N G  
Souvenir: National Seminar on Innovative Teaching Methods In Physics (**Aug.2013**)  
Department of Physics Deogiri College, Aurangabad ISBN 978-81-926750-0-9
- 9) Thermal studies of heulandite crystals using infrared spectroscopy.  
Ghan S.D., BakshiH.V. Deshpande M.R.  
Int.Nat.J.Adv.Res.in Basic & Appl. Sci.,**01**,2014, p59
- 10) Dehydration behavior of natural scolecite  
Bakshi H.V. & Ghan S.D.,  
Int.Nat.J.Adv.Res.in Basic & Appl. Sci.,**01**,2014, p83
- 11) Coal fly ash (CFA) utilization for sustainable environment management:  
Study of CFA-MCM-41 as a best adsorbent.  
Deshpande M.R. Ghan S.D., Joshi U.D.  
Int.Nat.J.Adv.Res.in Basic & Appl. Sci.,**01**,2014, p89
- 12) Removal of heavy metal ions from water using natural zeolites.  
Ghan S.D. Deshpande M.R.  
J. Adv in appl.Sci.& Tech.**1(2)**,2014, p58
- 13) Application of coal fly ash based CFA-MCM-41 in wastewater treatment  
Ghan S.D. Deshpande M.R. Joshi U.D  
J. Adv in appl. Sci. & Tech.**1(2)**,2014, p123
- 14) Removal of hardness of water using chemically treated coal fly ash (CFA)  
Souvenir: National seminar on Water management & sustainable development  
Shri.P.P.Mahavidyalaya, Shisala, ISBN 978-81-926851-8-2 (Jan.2015)
- 15) Thermal behavior of group V zeolites from Marathwada, India  
Ghan S.D  
Int. J. of Engi. Res. & Tech.**4(1)**,2015,p10

16) Zeolites and their environmental and industrial applications

Ghan S.D

Souvenir: National seminar on “Emerging trends and challenges in chemical sciences” at ACS College Dharur (23-24Jan.2015) ISBN 978-93-84451-40-0

17) A Brief review on structure and application of natural zeolites.

Ghan S.D

Sci.Park.Res. J. 2015,p-122