

STAFF PROFILE

BIODATA

NAME Dr.Shrinivas Dattatrayrao Ghan

OFFICE ADDRESS Department of Electronics
Yogeshwari Mahavidyalaya Ambajogai

CORRESPONDENCE ADDRESS kalyannagar ,Mandwa Road
, Ambajogai

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DATE OF BIRTH 10-06-1968

CASTE Open

SEX Male

MARTIAL STATUS Married

NATIONALITY Indian

LANGUAGES KNOWN English, Hindi and Marathi

EDUCATIONAL QUALIFICATION

Ph. D. Topic- Microstructural Properties of Zeolite Crystals and their interrelations with MacroProperties (07/04/2000)

M. Sc. Physics Sp.Electronics (59.30%), Science college ,Nanded(1992)

B. Sc. With Physics,Electronics,Maths from Science college, Nanded(1989)

RESEARCH EXPERIENCE: 20 Years

TEACHING EXPERIENCE: 19 Years

COMPUTER SKILLS

1. Operating system: Windows
2. Other Expertise in handling Internet resources related with.

RESEARCH AREA:

1. Material Science (Natural Zeolites)

RESEARCH CONTRIBUTION:

1) RESEARCH PROJECT COMPLETED :

Department of Electronics

Sr. No.	Position	Funded by	Grant (Rs.)	Duration	Title
1.	Principal Investigator	UGC-New Delhi, India	100,000	2 years (2009-2011)	Ion-Exchange & Thermal Properties of Group V & VII Zeolites & their allied applications

Life Membership

1. Life member of Indian Physics Association .
2. Life member of Indian Association of Physics Teachers

Administrative Experience

1. Head Department of Electronics **Since 2011 to till date.**
2. Chief Superintendent of examination, Dr. B. A. M. University on March/April 2009-11.

List of Research Papers presented in seminar / symposia / conferences etc

Sr. No	Title of Paper	Level	Name and Place	Period
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 Heulandite Group Zeolites	National	National seminar on Advances in innovative materials& applications GSG Mahavidyalaya, Umerkhed	21Sep.2013
7	Applications of natural zeolites in Aquaculture	National	National Workshop on Techniques of Scientific Writing Yogeshwari Mahavidyalaya,Ambajogai	18-19Jan.2014
8	Thermal Studies of Heulandite Crystals using Infrared Spectroscopy.	National	National conference on Material Science. 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 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 Shri.P.P.Mahavidyalaya,Sirsala	02 Jan.2015

RESEARCH PAPERS PUBLISHED

- 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 ²⁹Si 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-
- 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) Thermal studies of heulandite crystals using infrared spectroscopy.
Ghan S.D., Bakshi H.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
- 18) Effective Biodegradation of Fluorosurfactant and Sodiumdodecylsulphate(SDS)from industrial effluents by using three stage bioreactor
C.S.P.Rathore,L.P.Shinde,A.S.Bansode &S.D.Ghan Int.Nat. J.MDRR 5(10),2019p1-6
- 19) Sustainable approach towards the synthesis of mesostructured molecular sieves mcm-48 from rice husk ash.: a green pathway
J.P.Kulkarni,M.R.Deshpande,U.D.Joshi & S.D.Ghan J.rev.of Res.8(01), 2018
- 20) Coal fly ash utilization for sustainable environment management: study of mcm-48 as a best adsorbent
J.P.Kulkarni,M.R.Deshpande,U.D.Joshi & S.D.Ghan J.rev.of Res.8(01), 2018
- 21) Synthesis of 3-cynocoumarin by knoevengel condensation of anisaldehyde with ethyl cynoacetate over cs-rha-mcm-48
J.P.Kulkarni,M.R.Deshpande,U.D.Joshi & S.D.Ghan J.rev.of Res.8(01), 2018

Place: Ambajogai

Date: 01-07-2023

Signature

Dr. Ghan S.D.