

Principal Profile



i) General Information

Name (Surname First) : **GAHANE DHANANJAY HARIBHAU**

Fathers Name (Surname First) : **GAHANE HARIBHAU JAIRAM**

Address (Residential) : Nagbhid Road
Shantinagar, Bramhapuri
Distt.- Chandrapur

Date of Birth : 24/10/1963

Contact No : 7841008324 / 9422839598

E-mail : dhgahane@gmail.com

Institution : N. H. College, Bramhapuri
Distt. Chandrapur

Designation : Principal

Date of Appointment : 26/08/1986

Teaching Experience : UG : 38 Years
PG : 11 Years

ii) Academic Qualifications

Exam Passed	Board/University	Year	Division/Grade Merit etc.
High School (SSC)	Nagpur	1979	I
Higher Secondary or Pre-degree	Nagpur	1981	II
Bachelor's Degree (s)	Nagpur	1984	I
Master's Degree (s) (M.Sc. Physics)	Nagpur	1986	I
Research Degree (s) Ph.D.	R.T.M. Nagpur, Uni.	2011	---
Other Diploma / Certificates etc.			
DCCO	YCMOU Nashik		I
CCCO	BTE Mumbai		I
MSC-IT	MKCL Pune		I

iii) Patent

EUROPIUM-ACTIVATED ALKALI-ALKALINE EARTH HALIDE BLUE EMITTING PHOSPHORS FOR SOLID-STATE LIGHTING AND PROCESS OF PREPARATION THEREOF

Patent No. : 256570
Application No. : 80/MUM/2009
Date of Filing : 13-01-2009
Acceptance : 03/07/2013

iv) Research Experience & Training

Research Stage	Title of work/Theses	University where the work was carried out
Ph.D.	STUDY OF EUROPIUM CENTRES AND RELATED PHENOMENA IN SOME MICROCRYSTALLINE MATERIALS	R.T.M. Nagpur University

v) Research Projects carried out

Title of the Project	Name of the funding Agency	Duration	Remarks
Development of Blue Phosphors for Solid State Lighting	UGC New-Delhi	2 Years	Sanctioned of 12/09/2010

Minor Research Project : 01 (Completed)

Principal investigator : Dr. Dhananjay Haribhau Gahane
Title : Development of blue phosphor for solid state lighting .
Funding agency : UGC
Duration : 2 Yrs ;
Outlay : 1,75,000/ -

vi) Publications**International Journals**

- Luminescence of Some Eu²⁺ Activated Bromides**
D.H. Gahane, N.S. Kokode, P.L. Muthal, S.M. Dhopte, S.V. Moharil
Journal of Alloys and Compounds 484 (2009) 660–664
- Luminescence of Eu²⁺ In Some Iodides**
D.H. Gahane, N.S. Kokode, P.L. Muthal, S.M. Dhopte, S.V. Moharil
Optical Materials 32 (2009) 18–21
- Effect of Cation Mixing on Luminescence of Eu²⁺ in SrCl₂**
D.H. Gahane, N.S. Kokode, P.L. Muthal, S.M. Dhopte, S.V. Moharil
Journal of Luminescence 130 (2010) 254–257

4. **Luminescence of Eu²⁺ In Some Chlorides.**
D.H. Gahane, N.S. Kokode, B.M. Bahirwar, S.V. Moharil
Physics Procedia 29 (2012) 42 – 45
5. **Optical Spectroscopic Studies on Methoxy Substituted 2-4, Diphenyl Quinoline Derivatives Dispersed in Polystyrene matrix.**
B.M. Bahirwar, D.H. Gahane R.G. Atram, S.V. Moharil
Physics Procedia 29 (2012) 50 – 54
6. **Luminescence of Some Eu³⁺ Activated Oxysulphate**
S.J. Tidke and D.H. Gahane
International Journal of Basic and Applied Research, Special Issue. 139-132

Conference Proceedings

7. **Luminescence of some Eu²⁺ activated alkaline earth iodides**
D.H. Gahane, N.S. Kokode, C.D. Mungmode, P.W. Yawalkar, S.V. Moharil
Proceedings Of U.G.C. Sponsored National Conference On Recent Trends In Basic and Applied Materials, RTBAM-2009, Nagpur, Maharashtra State,(Jan 10-11) 2009,40
8. **Luminescence of Some Eu²⁺ Activated Alkaline Earth Bromides**
D.H. Gahane, N.S. Kokode, S.J. Tidke, B.M. Bahirwar, S.V. Moharil
Proceedings Of The National Conference On Luminecence And Its Application, NCLA-2009, Kolkata, (Feb 19-21)2009,202-204.
9. **Optical Spectroscopic studies on Blue Luminescent Methoxy Substituted 2-4, Diphenyl Quinoline Blended in Polystyrene Thin Film.**
B.M. Bahirwar, S.B. Raut, R.G. Atram, D.H. Gahane
Proceedings of the National Conference on Synthesis and Characterization of new Materials and its Applications, Nagpur, Maharashtra State, (Mar 15) 2009, 58-62.
10. **Field Emission Microscopy and its Applications**
P.W. Yawalkar, D.H. Gahane, and S.J. Dhoble
Proceedings of the National Conference on Synthesis and Characterization of new Materials and its Applications, Nagpur, Maharashtra State, (Mar 13) 2009, 208-211.
11. **SYNTHESIS AND CHARACTERIZATION OF CHLORINE SUBSTITUTED 2,4-DIPHENYL QUINOLINE**
B.M. Bahirwar S.B. Raut R.G. Atram D. H. Gahane
Proceedings of the National Conference on "Synthesis of Advanced Materials and their Applications" SAMA-2010, Bramhapuri, Maharashtra State, (Mar 13) 2010, 50-55.
12. **Synthesis and characterization of some Quinolines base Organic Phosphor.**
Amol V. Nande, D.H. Gahane, S.S. Pote, C.P. Joshi, S.V. Moharil
Proceedings of the National Conference on "Synthesis of Advanced Materials and their Applications" SAMA-2010, Bramhapuri, Maharashtra State, India, (Mar 13) 2010, 67-70
13. **Luminescence of Eu²⁺ activated Double Chlorides KMgCl₃, KCaCl₃ and KSrCl₃.**
Ku. K.G.Bhaiya, D.H.Gahane, S.J. Tidke, C.D. Mungmode, Dr. S.V. Moharil

- Proceedings of the National Conference on "Synthesis of Advanced Materials and their Applications" SAMA-2010, Bramhapuri, Maharashtra State, India, (Mar 13) 2010, 99-102.
- 14. Synthesis and study of Luminescence in some rare earth Oxysulfide.**
Durgaprasad Ramteke, **D.H. Gahane**, R.S. Gedam, S.V. Moharil
Proceedings of the National Conference on "Synthesis of Advanced Materials and their Applications" SAMA-2010, Bramhapuri, Maharashtra State, (Mar 13) 2010, 103-105.
- 15. Luminescence in Eu^{2+} Activated CsMgCl_3 , CsCaCl_3 & CsSrCl_3 phosphors**
Ku. S.R. Bokade, **D. H. Gahane**, B.M. Bahirwar, Ravi Bhavani, Dr. S.V. Moharil
Proceedings of the National Conference on "Synthesis of Advanced Materials and their Applications" SAMA-2010, Bramhapuri, Maharashtra State, India, (Mar 13) 2010, 94-98.
- 16. Ethanol-Assistant Solution Combustion Method to Prepare $\text{La}_2\text{O}_2\text{S}:\text{Eu}^{3+}$ phosphor**
D.H. Gahane, N.S. Kokode, B.M. Bahirwar, S.V. Moharil
Proceedings of the National Conference on Novel Materials and their Applications (NCNMA-2010), Bhadravati, Maharashtra State, India, (Dec 18) 2010, 73-76.
- 17. Development of Blue Phosphor for White Light Emitting Diode**
D.H. Gahane, C.D. Mungmode and S.V. Moharil
National Conference on "Lasers and Advanced Materials" NCLAM-2012.
Sant Gadgebaba Amrawati University
- 18. EFFICIENT LOOP TO FIND PRIME NUMBER**
R. K. Karambe, **D.H. Gahane**, P. B. Dhumane
Proceedings of the National Conference on "Advanced Communication & Computer Technologies ACCT-12", IETE Visakhapatnam Centre (July-2012)
- 19. Autonomous Brightness of Mobile Using Fuzzy Logic Control System**
R. K. Karambe, **D.H. Gahane**, P. B. Dhumane
Proceedings of the National Conference on "Advanced Communication & Computer Technologies ACCT-12", IETE Visakhapatnam Centre (July-2012)
- 20. Saving Printer Toner, Ink Cartridges - An Introduction of Fuzzy Logic to Help the Environment and Your Wallet**
R. K. Karambe, **D.H. Gahane**, P. B. Dhumane
Proceedings of the International Conference on Recent Trends in Information Technology and Computer Science ICRTITCS 2012", Thakur College of Science and Commerce, Mumbai (Dec.-2012).
- 21. Optical Properties of Eu^{2+} activated $\text{Sr}_3\text{La}(\text{PO}_4)_3$ Phosphor**
D.H. Gahane, B.M. Bahirwar, P. W. Yawalkar and S.V. Moharil
National Conference on "Advanced Functional Materials" Visvesvaraya National Institute of Technology (Jan-2013)

vii) Refresher / Orientation/Short Term Courses attended

Sr. No.	Name of Orientation/Refresher	Place	Date
1	Orientation Course in Electronics	Nagpur University	11-08-1988 to 23-08-1988
2	Orientation Course	Academic Staff College, Nagpur	08-08-1990 to 04-09-1990
3	Refresher Course	Academic Staff College, Devi Ahilya University, Indore	3 Weeks upto 27-03-1991
4	Refresher Course	Department of Physics, Shivaji University Kolhapur	07-10-1991 to 03-11-1991
5	Refresher Course	Academic Staff College, Nagpur	27-01-1998 to 19-02-1998
6	Refresher Course	Academic Staff College, Nagpur	24-10-1998 to 16-11-1998
7	Short Term Course	Academic Staff College, Sant Gadge Baba Amravati University	26-03-2012 to 31-03-2012
8	Short Term Course	Dr. Ambedkar College, Nagpur	19-04-2012 to 25-04-2012
9	Short Term Course	Academic Staff College, University of Lucknow	05-11-2012 to 10-11-2012
10	Short Term Course	Academic Staff College, University of Kerla	04-03-2013 to 08-03-2013
11	Short Term Course	Academic Staff College, Devi Ahilya University, Indore	17-06-2013 to 19-06-2013

viii) Seminars, Conferences, Symposia Workshops etc. attended

Sr. No.	Name of Conference / Workshop / Seminar	Name of the Sponsoring Agency/ Organizing Institute	Place and Date
1	Recent Developments In Algebra & Relativity	J. M. Patel College, Bhandara	Friday 3 rd October, 2008
2	Rashtrasant Tukdoji Maharaj 10 th Sahitya Sammelan	N. H. College, Bramhapuri	October 11-12, 2008
3	Avishkar-2008	N. H. College, Bramhapuri	December 17-18, 2008
4	Recent Trends in Basic and Applied Materials	Government Institute of science, Nagpur	January 10-11, 2009

5	National Conference on Luminescence and its Applications	Central Glass & Ceramic Research Institute, Kolkata	February 19-21, 2009
6	Synthesis and Characterization of new Materials and its Applications	Kamla Neharu College, Nagpur	Sunday 15 th March, 2008
7	National Conference on Novel Materials and their Applications (NCNMA-2010)	N. S. Science and Arts College, Bhadrawati	18-Dec-10
8	Recent Trends in Embedded Technology and its applications	Kamla Neharu College, Nagpur	22-Jan-11
9	National Conference on Luminescence and its Applications" (NCLA-2011)	LSI & Department of Physics, Pt. Ravishankar Shukla University, Raipur	February 07-09, 2011

ix) Teaching Experience

Courses Taught	Name of the University/ College / Institution	Duration	Total Experience
U.G. (B.A./B.Sc., etc)	Nevjabai Hitkarini College, Bramhapuri	Since 08/09/1986	38 years
P.G. (M.A./ M.Sc., etc.)	Nevjabai Hitkarini College, Bramhapuri		11 years

x) Extension Work/Community Service

Please give a short account of your contribution to:

- a) Community work such as values of National Integration secularism, democracy, socialism, humanism, peace, scientific temper, flood or drought relief, small family norms etc.

Promoted village people for family planning.

- b) National Literacy Mission

Promoted village people for adult education.

- c) Positions held/Leadership role played in organizations linked with Extension Work and National Service Scheme (NSS), or NCC or any other similar activity

Center Chief - YCMOU study center

xi) Participation in Corporate Life:

a) Students Welfare and Discipline

Donner of

Late Haribhau Gahane Award for B.Sc. I/II Electronics topper student

b) Membership/Participation in Bodies/Committees
on Education and National Development

Member of Luminescence Society of India

xii) Membership of Professional Bodies, Societies etc.

Member of NUTA

Luminescence Society of India

xiii) University Examination Related Work

- 1) **Member Board of Studies** in subject Electronics
Gondwana University (from Academic Session 2012-24)
- 2) **Member 32/5 committee, Board of Studies** in subject Electronics
Gondwana University (from Academic Session 2015-24)
- 3) **Officer In-charge** at Center N. H. College, Bramhapuri
 - RTMNU Exam Summer-2004
 - RTMNU Exam Winter-2004
 - RTMNU Exam Summer-2009
 - RTMNU Exam Winter-2009
 - RTMNU Exam Summer-2011
 - RTMNU Exam Winter-2011
- 4) **Officer In-charge** at Center Santaji Mahavidyalaya, Nagpur
 - RTMNU Exam Summer -2011
- 5) **Collection Center Chief**
 - RTMNU Exam Summer-2014
 - Gondwana Uni. Exam Summer-2014
 - Gondwana Uni. Exam Winter -2014
 - Gondwana Uni. Exam Summer-2015
 - Gondwana Uni. Exam Winter -2015
- 6) **Joint Chief Supervisor** (Online Question Paper Delivery)
 - Gondwana Uni. Exam Winter -2015

7) **Moderation Committee member**

- Gondwana Uni. Exam Winter-2012
- Gondwana Uni. Exam Summer-2013
- Gondwana Uni. Exam Winter-2013
- Gondwana Uni. Exam Summer-2014
- Gondwana Uni. Exam Winter-2014
- Gondwana Uni. Exam Summer-2015
- Gondwana Uni. Exam Winter-2015

8) **Valuation Work**

- RTM Nagpur Uni. Exam – 1990 to 2012
- Gondwana Uni. Exam Winter-2012 to 2015

9) **Paper Setting Work**

- RTM Nagpur Uni. Exam – 1990 to 2012
- Gondwana Uni. Exam Winter-2012 to 2015

10) **Internal Examiner in Practical Examination**

- RTM Nagpur Uni. Exam – 1987 to 2012
- Gondwana Uni. Exam Winter-2012 to 2015

11) **External Examiner in Practical Examination**

- RTM Nagpur Uni. Exam – 1987 to 2012
- Gondwana Uni. Exam Winter 2012 to 2015



Dr. Dhananjay H. Gahane

Principal

N. H. College, Bramhapuri