

CURRICULUM VITAE

DR. (MRS.) NAHIDA R.BAIG (SHAIKH)

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To make physics learning as easy as possible and make students lifelong learners.

To contribute more in physics education and interdisciplinary research work.

PERSONAL INFORMATION

NAME: Dr. (Mrs.) Nahida R. Baig (Shaikh)

DESIGNATION: Assistant Professor (Sr.Scale)

SPOUSE: Dr. Aejaaz U.Shaikh

DATE OF BIRTH: 08/07/1974

ADDRESS: OFFICE: Janata Mahavidyalaya, Civil Lines Nagpur Road Chandrapur.

LANGUAGES KNOWN: English, Hindi and Marathi

EDUCATIONAL QUALIFICATION:-

PhD(Physics)	RTM Nagpur University	2017
SET in Physics	Pune University	1999
M.Sc. (Physics)	RTM Nagpur University	1997
B.Sc.	RTM Nagpur University	1995
PG. Diploma in Human Rights	RTM Nagpur University	2000
M.Sc. (C/S)	RTM Nagpur University	2006

AREA OF SPECIALIZATION: - S.S.P and Digital Electronics

AREA OF RESEARCH : - Luminescent materials, synthesis and Characterization

PRESENT POSITION: - Asst. Professor with AGP 8000/-

PLACE OF EMPLOYMENT: - Janata Mahavidyalaya, Chandrapur.

DATE OF APPOINTMENT: - 21st Feb. 2005

TEACHING EXPERIENCE

i) As Full time Lecturer in Phy. -13 yrs (Feb 2005 onwards)

ii) As Contributory - 5 yrs

UNIVERSITY ASSIGNMENTS:-

i) Appointed as an Internal Examiner for practical Exam of B.Sc. (I, II, III years)

ii) Appointed as an External Examiner for practical Exam of B.Sc. (I, II, III years)

iii) Has been evaluating theory papers of physics for University Exams.

iv) Member of BOS in Physics at Gondwana University Gadchiroli.

ADMINISTRATIVE EXPERIENCES:-

a) NAAC: - Coordinator of IQAC cell.

b) Member of Admission committee

c) Member of Women Cell and ICC

d) Member of College Development Committee.

e) Member of discipline committee

ORIENTATION / REFRESHER COURSES

i) Attended UGC Sponsored Orientation Course at ASC College, Nagpur from 24/02/2010 to 23 /3 /2010.

ii) Attended a UGC Sponsored Refresher Course in IT Applications (Physics) at Dept. of Physics, RTMNU, from 04/3/2011 to 24/3/2011.

iii) Participated in SAM-UGC capacity building workshop for women managers in Higher Education held at LAD College Nagpur, dated 19th march 2013 to 23rd march 2013.

iv) Attended a UGC Sponsored Refresher Course in IT Applications (Physics) at Dept. of Physics, RTMNU, from 11/02/2015 to 03/03/2015.

v) Attended a ten days Pre-Ph.D Coursework on “Research Methodology and Computer Applications” organized by Institute of Science, Nagpur from 20th to 30th April 2016.

RESEARCH ACTIVITIES:-

- I) Ph.D., Topic “Luminescence of rare earth ions in halophosphors and their applications”.
- II) Acted as a Research Guide for M.Sc. II students’ projects.

CONFERENCES/SEMINARS/WORKSHOPS, ATTENDED DURING 2006-2017

1. Participated in University Level one day workshop on “CBCS Syllabus for B.Sc., Semester III and IV in Physics”, held on 26th April 2018 at Netaji Subhash Chandra Science College, Mulchera.
2. Participated in one day workshop on “New Assessment and Accreditation System”, organized by IQAC of S. P. College of law, Chandrapur on 13th April 2018.
3. Participated in two days awareness workshop on “Revised Accreditation Framework”, organized by Post Graduate teaching departments of Gondwana University Gadchiroli on 6th and 7th march 2018.
4. Participated in the UGC sponsored One Day Workshop on “Ensuring Quality Education: Issues and Concerns”, organized by IQAC of Shantaram Potdukhe College of Law, Chandrapur on 1st April 2017.
5. Participated in two days conference on “Vision Document of Gondwana University, Gadchiroli”, organized by GEC, Chandrapur, held on 4th and 5th March 2017.
6. Participated in Training Programme on Sexual Harassment of Women at Work place (Prevention, Prohibition and Redressal) Act, 2013 on 10th feb. 2017 organised at Sardar Patel Mahavidyalaya, Chandrapur.
7. Participated in two days NAAC sponsored State level seminar on “Teaching, Learning and Evaluation”, SSTLE-2017, organized by IQAC Shivaji Science College Nagpur, held on 20th and 21st January 2017.
8. Participated in one day National Seminar on "Recent Methodology of Institutional Assessment and Accreditation by NAAC" held on 27/08/2016 organized by RMGACS college Nagbhid, Graamgeeta ACS college, Chimur and Mohsinbhai Zaveri ACS college Desaijanj.
9. Participated in one day University level workshop on “Introduction to Research Methodology” on 12th march 2016 at Rashtrapita Mahatma Gandhi Arts, Commerce and Science College, Saoli Dist. Chandrapur.
10. Participated in two days National Seminar on "Recent Trends in Life Sciences and Materials Science" held on 15th and 15th March 2016, organized by RMG ASC Nagbhid, MZASC Desaijanj, GACS Chimur.
11. Participated in three days National Conference on Luminescence and its Applications(NCLA-2016) organized by Dept. of Physics, RTM Nagpur University Nagpur and Taywade College, Koradi, Nagpur in association with LSI held on Feb. 18-20, 2016

12. Participated in one day University level workshop on Introduction to research methodology organized by Rashtrapita Mahatma Gandhi Arts Commerce and Science College, Saoli, on 12/03/2016
13. Participated in one day National conference on 'Biodiversity Conservation and Sustainable Development' organized by Janata Mahavidyalaya, Chandrapur on 06/02/2016
14. Attended University level One-day workshop on Research writing organized by Dr. Babasaheb Ambedkar Gondwana University Teachers' Association, Chandrapur on 09/08/2015
15. Participated in one day International satellite conference on Global Environmental Concerns organized by Government Institute of Science , Nagpur on 28/03/2014.
16. Attended a one day National conference on “ Material Characterization and their applications”, at Anand Niketan College Warora on 6th Feb.2014
17. Attended VUPTA seminars 8th and 9th Feb 2014
18. Actively participated in One day workshop on CBCS at Gondwana University, Gadchiroli held on 17th January, 2015
19. Attended a one workshop on “Scope of Syllabus B.Sc. Semester III and IV in Physics”, organized by BOS at N. H. College Bramhapuri on 21st July 2013
20. SAM workshop held at LAD College Nagpur 19th-23rd march 2013.
21. Two days state level NAAC sponsored conference on “Role of IQAC on quality enhancement of HEIs in rural areas”, organized by S.P. College Chandrapur, dated 24th-25th August 2012.
22. Three days International conference on “Global Change: Impact on Biodiversity culture and Technology”, organized by Sevalal Mahavidyalaya, Nagpur, in association with WCMANU-2012 dated 3, 4 and 5th Nov. 2012.
23. One day workshop on “Scope of Syllabus”, at Anand Niketan College, Warora, July 2012.
24. UGC sponsored National Conference on “Technologies in Engineering and Science for Energy Applications”, organized by Department of Physics Dr. Ambedkar College Deeksha Bhoomi, Nagpur, on 2nd and 3rd Jan 2012.
25. UGC sponsored National Conference on “Synthesis and Characterization of Advanced Materials”, at Janata Mahavidyalaya, on 8th October, 2011.
26. UGC sponsored International Interdisciplinary conference on Women Empowerment, 26th and 27th Nov.2011, Organized by Women Study Centre, Ramakrishna Mahavidyalaya, Darapur, Dist. Amravati.
27. One Day Workshop on “Discussion of Syllabus Of B.Sc. Physics, organized by Board of Studies in Physics , at Dr. Ambedkar College, Deeksha Bhoomi, Nagpur on 9th October, 2011.
28. UGC sponsored National Conference on “Novel Materials and their Applications” (NCNMA- 2010), 18th dec.2010, N.S. Science and Arts college, Bhadravati.
29. UGC sponsored National Seminar on “Materials Preparation and Characterization”, 29th march.2011, Dep’t of Physics, RTMNU.
30. All India Seminar on “Power System: Control, operation and Maintenance”, PSCOM 2010, 4th and 5th dec.2010, at Rajiv Gandhi College of Engineering and Technology, Chandrapur.
31. “Gravitation Theories and Astronomy, CGTA-2009, Dec 28-30, 2009, at N. S. Science and Arts College, Bhadravati
32. UGC sponsored National Conference on “Recent Trends in Basic and Applied Materials” RTBAM-2009, Jan 10-11 2009, at Department of Physics, Institute of Science, Nagpur.

33. One day Workshop on “Characterization of Materials”, on Feb 23, 2008, organized by Dept. of Physics Mechanical Engineering RCERT, Chandrapur.
34. One day Workshop on “Recent Trends in Applications of Luminescence”, Jan.19 2008 by Shri Ramdeobaba Kamla Nehru Engineering College, Nagpur
35. UGC sponsored National Seminar on” Materials Preparation and Characterization”, on 31st march 2008, at department of Physics RTMNU.
36. One day Workshop for P.G. Teachers, at department of Physics RTMNU, on 3rd march 2006.
37. UGC sponsored National Seminar on” Materials Preparation and Characterization”, 28-29th march 2006 at department of Physics, RTMNU, Nagpur.

CONFERENCES ORGANIZED:

- Convener of successfully organized UGC sponsored National Level conference on “Synthesis and Characterization of Advanced Materials”, at Janata Mahavidyalaya, on 8th October, 2011.
- Coordinator of University Level Research Festival "Avishkar-2015" organized at Janata Mahavidyalaya Chandrapur
- Coordinator of one day workshop on “NAAC’s Revised Accreditation Framework and Guidance for SSR Preparation”, on 25th September 2018

PAPERS PUBLISHED:

- 1) “Luminescence characterization of Dy³⁺ ion in Ba₃BPO₇ and Ca₃BPO₇ phosphors”, Nahida Baig, V. R. Kharabe and S. J. Dhoble, Published in the proceedings of National Conference on “Synthesis and Characterization of Advanced Materials”, at Janata Mahavidyalaya, on 8th October, 2011. Pg no. 53-57 (ISBN: 978-93-81660-32-4)
- 2) “Empowering Women through Science and Technology: Indian Scenario”, Nahida Baig, Published in the proceedings of International Interdisciplinary conference on Women Empowerment , 26th and 27th Nov.2011, Vol.2,Pg.no.400-402, Organized by Women Study Centre ,Ramakrishna Mahavidyalaya, Darapur, Dist. Amravati. Pg. No. 400-401 ISSN 978-81-922414-0-1
- 3) “Challenges to higher education in rural India”, published in Two days state level NAAC sponsored conference on “Role of IQAC on quality enhancement of HEIs in rural areas”, at S.P. College Chandrapur. Page no. 119-121, ISBN 978-81-922852-3-8
- 4) “Luminescence of Dy³⁺ in some halosulphate phosphors”, Nahida Baig, N. S. Dhoble, S. J. Dhoble N. S. Kokode, presented and published at international conference on “Global Change: Impact on Biodiversity culture and Technology”, organized by Sevadal Mahavidyalaya, Nagpur ,in association with WCMANU-2012 dated 3,4 and 5th Nov. 2012. Pg. no. 352-356, ISSN 0974-0678
- 5) "Luminescence Characterization of Ca₂PO₄Cl:Tb³⁺ Phosphors for Lamp Industry", Abstract Published in National Conference On Luminescence And Its Applications (NCLA-2014) 5-7th february, 2014, Jabalpur, India
- 6) "Photoluminescence in K₃Ca₂(SO₄)₃Cl-doped Eu³⁺ phosphor", Nahida Baig, N. S. Dhoble, V. B. Pawade, N. S. Kokode and S. J. Dhoble; Luminescence: The Journal of Biological and Chemical Luminescence, 29(2014) 695-697 DOI 10.1002/bio.2586

- 7) "Enhanced luminescence and white light emission from Eu^{3+} -co-doped $\text{K}_3\text{Ca}_2(\text{SO}_4)_3\text{Cl}:\text{Dy}^{3+}$ phosphor with near visible ultraviolet excitation for white LEDs" ; N. Baig, N. S. Dhoble, K. Park, N. S. Kokode and S. J. Dhoble; Luminescence, The Journal of Biological and Chemical Luminescence, 30(2015): 479–484 DOI 10.1002/bio.2763
- 8) Thermo Luminescence Glow Curve Analysis of Dy^{3+} Activated $\text{Ca}_2\text{Na}_3(\text{SO}_4)_3\text{Cl}$ Phosphor, Nahida Baig, N.S.Dhoble, N. S. Kokode and S. J. Dhoble; International Journal of Researches in Biosciences, Agriculture & Biotechnology, Special Issue I (2015) 30
- 9) Luminescence of $\text{Na}_3\text{Ca}_2(\text{SO}_4)_3\text{Cl}$ doped with samarium phosphor, International journal of researches in Biosciences, Agriculture & Biotechnology, Feb. 2015, special issue(2), 334-343
- 10) Photoluminescence investigation of trivalent rare earth activated $\text{Na}_3\text{Pb}_2(\text{SO}_4)_3\text{Cl}$ phosphors for solid state lighting; Nahida Baig, N. S. Dhoble, A. N. Yerpude, Vijay Singh, S.J.Dhoble, Optik-Int. J. Light Electron Opt. (2016); Doi.10.1016/j.ijleo.2016.04.076
- 11) Photoluminescence properties of Eu^{3+} and Ce^{3+} activated Calcium chlorophosphate via Combustion synthesis method, Nahida Baig, N.S.Dhoble, N.S.Kokode and S. J. Dhoble; Oriental Journal of Physical Sciences Sciences 2016; 1(1)
- 12) "Luminescence Properties of Eu^{3+} -doped $\text{Ca}_2\text{PO}_4\text{Cl}$ Halophosphor", Abstract Published in National Conference On Luminescence And Its Applications (NCLA-2016) 18-20th february, 2016, Nagpur, India
- 13) 'Photoluminescence study of Tb^{3+} -doped $\text{MgAl}(\text{SO}_4)_2\text{Cl}$ Halophosphor', Abstract Published in National Conference On Luminescence And Its Applications (NCLA-2016) 18-20th February, 2016, Nagpur, India

PAPERS PRESENTED IN NATIONAL/INTERNATIONAL CONFERENCES:

1. "Luminescence of Dy^{3+} in some halosulphate phosphors", presented in International Conference "Global Change: Impact on Biodiversity culture and Technology", organized by Sevadal Mahavidyalaya, Nagpur, in association with WCMANU-2012 dated 3,4 and 5th Nov. 2012.
2. "Synthesis And luminescence Study of Samarium Doped $\text{Ca}_2\text{Na}_3(\text{SO}_4)_3\text{Cl}$ Halosulphate Phosphor", presented at National conference on "Material Characterization and its Applications", organized by Anand Niketan College Warora, dated 6th Feb. 2014

RESEARCH GUIDANCE:

-Guided M.Sc. students with their projects.

- 1) Study of Acoustical Parameters of Homeopathic Drug Lycopodium
- 2) Acoustical study of homeopathic drug
- 3) "Study of luminescent properties of $\text{LiMgSO}_4\text{F}:\text{Dy}, \text{P}$ "
- 4) "Study of Photo luminescent characteristics of CeSO_4Cl doped with rare earth elements".
- 5) "Study of Optical properties of Phosphohedyphane"
- 6) "Study of Luminescent properties of $\text{Ca}_2\text{Na}_3(\text{SO}_4)_3\text{Cl}:\text{Dy}, \text{Ce}$ "
- 7) "Study of Luminescent Properties of $\text{Ca}_5(\text{PO}_4)_3\text{F}$ "

8) “Study of optical properties of Rare-Earth ions doped Tripotassium dicalcium trisulphate chloride phosphor.

9) “Study of synthesis and characterization of praseodymium doped $\text{Ca}_2\text{Na}_3(\text{SO}_4)_3\text{Cl}$ halophosphate phosphor.

10) “Synthesis and Characterization of Samarium doped $\text{MgAl}(\text{SO}_4)_2\text{Cl}$ phosphor.

11) “Study of Luminescence properties of $\text{Ca}_2\text{Pb}_3(\text{PO}_4)_3\text{Cl}:\text{Eu}^{3+}$ phosphor.

12) “Synthesis and Characterization of dysprosium doped $\text{MgAl}(\text{SO}_4)_2\text{Cl}$ phosphor.

13) “Luminescence properties of rare-earth ions praseodymium-doped $\text{Ca}_2\text{Pb}_3(\text{PO}_4)_3\text{Cl}$ phosphor

RESEARCH PROJECTS:

Completed one UGC sponsored Minor Research project entitled “Synthesis of Halophosphor Based Phosphors And their Applications”; grant amount Rs. 1, 13000/- (Year 2012-2014)

CONTRIBUTION TO THE SOCIETY:-

- Works through MESCO (Muslim Educational, Social & Cultural Organization), to spread Literacy among underprivileged People of Chandrapur District.

CONTRIBUTION TO THE INSTITUTION:-

- As coordinator of IQAC cell helps in quality management.
- Actively participates in arrangement of college cultural programs.
- Active member of Women Cell.
- Member of Janata Mahavidyalaya Employees Association.
- Member of different committees of college like ICC, Women Cell, Parents –Teachers Association.

Sd-

Nahida (Baig) Shaikh