

## Curriculum Vitae

### Dr. Anil M. Muke

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### Career Objective

Intend to build a career with leading Education Institute with committed and dedicated people, which will help me to explore myself fully and realize my potential.

### Academic Background

- Awarded **Ph. D. Degree on 29 August 2015** by RTM Nagpur University, Nagpur under the guidance of **Dr. S. V. Moharil, PGTD of Physics, RTM Nagpur University, Nagpur.**
- **Title of Ph.D. Thesis:** Synthesis & Characterization of Oxide Phosphors by Solid State Metathesis.
- **M.Sc. Physics** [Specialization: Condensed Matter Physics], with **67.80%**, from RTM Nagpur University, Nagpur in 2007.
- **B. Sc. (PCM)** with **78.89%**, from RTM Nagpur University, Nagpur in 2004.
- **Higher Secondary** with **70.00%** from State Board of Maharashtra, India in 2001.
- **Secondary** with **75.46%** from State Board of Maharashtra, India in 1999.

### Teaching Experience at Engineering College level (15 years 4 months)

- Presently working as an Assistant Professor in Physics in Avvaiyar Government College for Women, Karaikal- Puducherry from 19 February 2018.
- Worked as Assistant Professor in **ITM College of Engineering, Kamptee, and Nagpur** since Aug. 1, 2010 and re-designated as **Associate Professor** from 1<sup>st</sup> April 2016 till 16 February 2018.
- Worked as a Lecturer in **Waingangā College of Engineering And Management, Dongargaon, Nagpur** from July 1, 2008 to July 31, 2010.
- Worked as Lecturer in **KDK College of Engineering, Nagpur** from Aug. 23, 2007, to March 31, 2008.

### Responsibilities handled at Institute level

- Working as SIP Coordinator at Avvaiyar Government College for Women, Karaikal.
- Worked as SPOC (Single Point of Contact) for National Program on Technology Enhanced Learning (NPTEL), a joint venture of IIT, Madras, Local Chapter at ITM College of Engg. Kamptee, appointed by IIT, Madras.
- Worked as a Dean First year (Academics) at ITM College of Engineering, Kamptee since academic session 2016-17 till session 2017-18.
- Worked as a First Year Coordinator at ITM College of Engineering, Kamptee since academic session 2011-12 till session 2017-18.

- Worked as an Admission Coordinator at ITM College of Engineering Kamptee since academic session 2010-11 till session 2017-18.
- Worked as an ARC/FC Officer of admission process of BE First year recognized by DTE Maharashtra for academic sessions 2015-16 and 2016-17 admission process.
- Rich experience of handling major college level portfolios related with AICTE, DTE, RDTE, Shikshan Shulka samiti and Pravesh Niyamtran samiti.
- Expertise in handling AICTE WEB PORTAL of Extension of Approval for Engineering Colleges.

#### **Laboratories set up at Engineering College level**

- Set up laboratory of Applied Physics of BE First year at ITM College of Engineering, Kamptee Nagpur.
- Set up laboratory of Applied Physics of BE First year at Wainganga College of Engineering and Management, Dongargaon Nagpur.

#### **Examination work handled at University level**

- Worked as Assistant Chief Superintendant for conduct of Pondicherry University Examination September/October 2020 at Avvaiyar Government College for women, Karaikal- Puducherry.
- Worked as Examination Superintendent for B.Sc. (H.Sc.) October – 2015, April-2016, October 2016 Examination conducted by SNDT University, Mumbai at ITM – IHS Kamptee Nagpur.
- Did valuation and Moderation work of BE First Semester's **Engineering Physics** subject appointed by RTM Nagpur University, Nagpur.
- Did valuation and Moderation work of BE Second Semester's **Advanced Physics** subject appointed by RTM Nagpur University, Nagpur.
- Worked as External/Internal Examiner of Engineering Physics Practical appointed by RTM Nagpur University, Nagpur.
- Worked as External/Internal Examiner of Advanced Physics Practical appointed by RTM Nagpur University, Nagpur.

#### **Orientation, Refresher and Training programs attended**

- Completed one week AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “Futuristic Semiconductor Devices for high end applications” from 03/01/2022 to 07/01/2022 at Pondicherry Engineering College, Pondicherry.
- Completed 14 days Refresher Course in Physics from 04/08/2021 to 17/08/2021 conducted by UGC-HRDC, Pondicherry University, Puducherry.
- Completed one week AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “Cyber Crimes, Defensive Practices and Safe Computing” from 12/07/2021 to 1/07/2021 at Pondicherry Engineering College, Pondicherry.
- Completed 28 days Orientation Course from 03/12/2018 to 31/12/2018 conducted by UGC-HRDC, Sant Gadge Baba Amravati University, Amravati.

#### **Research Paper Published in International/National Journals**

- Published book chapter in Recent Advances and Applications in Modern Synthetic Chemistry, Scieng Publications, Volume -I (2022) ISBN: 978-93-5607-478-1 titled “**Luminescence in generation of sustainable (Green) energy**”.

- Published paper in The International journal of Analytical and Experimental modal analysis (ISSN NO:0886-9367 Volume XIII, Issue I, 2021) titled **“Study of optical properties of Europium doped strontium sulphate synthesized by solid state metathesis.”**
- Published paper in Our Hertigate (UGC Listed) Journal (ISSN- 0474 9030 Vol. 68, Special issue 12, pages 138-145) titled **“ Synthesis of Zr:SAPO 11 Catalyst by hydrothermal method and applied for the synthesis of substituted chalcones” .**
- Published Ajanta International Journal (ISSN 2277 5730) (Volume VIII, Issue I, 16-2, 2019) titled **“Solid state metathesis route synthesis of alkaline earth metal carbonates”**.
- Published research paper in International Journal of Research in Engineering, Science and Technologies (IJRESTs) (Volume 03(04)(2017)) titled **“Use of advanced technology in developing smart villages” .**
- Published paper in American International Journal of Physics (AIP) Conference proceeding (1728, 020324 (2016)) titled **“Photoluminescence Study of Tb<sup>3+</sup> Doped CaCO<sub>3</sub> Synthesized by Solid State Metathesis”**.
- Published paper in International Journal of Luminescence and its Application (IJLA) (Volume -4(II), 04/04/2014, ISSN-2277-6362) on **“Solid state metathesis of (Ba,Sr)SO<sub>4</sub>:Eu phosphor by microwave assisted synthesis”**.
- Published Paper in International Journal of Luminescence (132 (2012) 342-344) on **“Solid state metathesis of CaSO<sub>4</sub>:Eu<sup>2+</sup> phosphor”**.
- Published Paper in International Journal of Knowledge Engineering (ISSN: 0976-5816, Volume 3, Issue 1, 2012) on **“Synthesis of SrF<sub>2</sub>:Eu<sup>2+</sup> up-conversion phosphors.”**

#### Research Paper Presented in International/National Conferences

- Presented paper in 11<sup>th</sup> National conference on Solid State Chemistry and Allied areas organized by S.K. Porwal College of Arts, Science and Commerce, Kamptee- Nagpur on 20-21 December 2019 titled **“Photoluminescence study of Samarium doped Calcium tungstate synthesized by microwave initiated solid state metathesis”**
- Presented paper in National conference on Recent Advances in Science and Technology organized by Gopikabai Sitaram Gawande Mahavidyalaya Umarched-Yavatmal on 5-6 March 2019 titled **“Solid state metathesis route synthesis of alkaline earth metal carbonates”**
- Presented paper in International symposium on Exploring new Horizons in Chemical sciences organized by Deogiri College, Aurangabad on 10-12<sup>th</sup> January 2019.
- Presented paper titled **“Use of advanced technology in developing smart villages”** in International Conference on Clean and Smart city and village at ITM College of Engineering, Kamptee- Nagpur on 7-8 April 2017.
- Presented paper in National Conference of Luminescence and its Application (NCLA-2017) at IICT, Hyderabad on 9-11 January 2017 titled **“Study of Optical properties of Sm doped Calcium tungstate synthesized by Solid State Metathesis”**.
- Presented paper in 5<sup>th</sup> Interdisciplinary National Conference on Engineering, Management and Science (Panacea-2016) at DMIETR, Wardha on 24 June 2016 titled **“Dy<sup>3+</sup> doped CaSO<sub>4</sub> phosphor prepared by microwave initiated solid state metathesis and its photoluminescence study”**.
- Presented paper in National Conference of Luminescence and its Application (NCLA-2016) at PGTD of Physics, RTM Nagpur University, Nagpur on 18-20 Feb. 2016 titled **“Microwave initiated Solid State Metathesis of Dy<sup>3+</sup> doped CaSO<sub>4</sub> phosphor and its Photoluminescence study”**.

- Presented paper in International Conference on Condensed matter and Applied Physics (ICT-2015) held on 30-31 October 2015 at Dept. of Physics, Govt. Engg. College, Bikaner Rajasthan titled **“Photoluminescence Study of Tb<sup>3+</sup> Doped CaCO<sub>3</sub> Synthesized By Solid State Metathesis”**
- Presented paper in National conference on Luminescence and its Application (NCLA) on 5-7 Feb. 2014 titled, **“Solid state metathesis of (Ba,Sr)SO<sub>4</sub>:Eu phosphor by microwave assisted synthesis”**
- Presented paper in National conference on Synthesis and Application of Novel Materials held at VMV College, Nagpur on 5<sup>th</sup> October 2013 **“Structural and photoluminescence studies of Eu<sup>3+</sup> doped oxides prepared by solid state metathesis method.”**
- Presented paper in National conference on Recent Development in Eco- Friendly Materials held at Hislop college, Nagpur on 28-29 Sept. 2013 titled **“Synthesis of Fluoride Phosphors by solid state metathesis.”**
- Presented paper in National conference on **“Green energy and water management”**, at ITM College of Engineering, Kamptee.

#### Conference/ Workshop/Seminar attended

- Attended 3 days Physics Webinar series organized by Deptt. Of Physics, Justice Basheer Ahemad Sayeed College for Women (Autonomous), Chennai from 26 to 28 May 2020.
- Participated in 3 days training on “ Effective and efficient Online Teaching in the age of Corona, A Hands on Workshop” organized by Teaching Learning Center (ICT), IIT Bombay, funded by, PMMMNMTT, MHRD, Govt. of India on 17 May 2020.
- Attended one Week Online Faculty Development Program on “Overcoming the Challenges in Adapting online technology in teaching learning” from 6-11 May 2020 organized by Jhulelal Institute of Technology, Nagpur- Maharashtra.
- Attended one Week Physics Webinar:- “Stay Home, Enjoy Physics” Jointly organized by Indian Association of Physics Teachers (IAPT) RC-7 (Gujarat), ESSENCETECH, Dept. of Science and Technology, Government of Gujarat and Gujarat Council on Science and Technology (GUJCOST), held during 6-12 April, 2020.
- Attended National workshop on Advanced materials for Energy Conversion and storage at Arignar Anna Government Arts and Science College, Karaikal on 27 February 2020.
- Attended National workshop on Training of Teachers for student Induction Programme (Deeksharambh – Phase II) organized by University Grants Commission, South Eastern Regional office, Hyderabad on 30-31 October 2019 at Bharathiar University, Coimbatore.
- Attended IUAC Acquaintance Programme held at Deptt. Of Physics, Kanchi Mamunivar centre for post graduate studies on 21 October 2019.
- Attended 44<sup>th</sup> Orientation programme from 03/12/2018 to 31/12/2018 organized by Sant Gadge Baba Amravati University, Amravati.
- Attended a National conference on Recent advancements in Nanotechnology at National Institute of Technology Puducherry, Karaikal on 19-20 September 2018.
- Attended one day orientation programme for the newly recruited faculty members of Arts and Science Colleges in the Territory of Puducherry conducted by Tagore Government Arts and Science College, Puducherry on 19 July 2018.
- Attended a One day **NBA Orientation Workshop** on Outcome based Accreditation Process and Parameters at LKM Institute of Management Studies and Research, Kosara Road Chandrapur on 13<sup>th</sup> April 2017.

- Attended a one day workshop on **Curriculum Development in Physics** organized by Jhulelal Institute of Technology, Nagpur in Association with RTM Nagpur University on Feb. 02, 2017.
- Organized and Attended one week faculty development program on **Interactive Teaching** at ITM College of Engineering, on 5-12 Dec. 2016 for all Engineering faculties of Institute.
- Participated in the **NPTEL Workshop conducted by IIT Madras** on 24<sup>th</sup> Sept. 2016 at Priyadarshini College of Engineering, Nagpur.
- Participated in Four Week AICTE Approved FDP by IIT Bombay on **Use of ICT in Education for online and Blended Learning under the National Mission on Education through ICT (MHRD, Govt. of India)**, May 2<sup>nd</sup> – July 10<sup>th</sup> 2016 at Priyadarshini College, Nagpur.
- Worked as Judge for **Abhyudaya-2016, Abhyudaya - 2017** for Inter college Competition on Power Point Presentation and Project model competition held on 7<sup>th</sup> Feb. 2016 and 27<sup>th</sup> Feb. 2017 respectively organized by Vidarbha Vaibhav, Nagpur.
- Participated in **two week ISTE STTP on Engineering Physics conducted by IIT Bombay** from Dec. 8-18, 2015 held under the National Mission on Education through ICT (MHRD).
- Participated in “**National Conference on Luminescence and its Applications**” organized by NCLA, Pt. Ravishankar Shukla Uni. Raipur and Disha Instt. Of Mgmt. and Tech. Raipur held at SOS in Physics & Astrophysics, Pt. Ravishankar Shukla Uni. Raipur during Feb 7-9, 2011.
- Participated in UGC Sponsored National Conference on “**Advanced Material and Technology** “ at Shivaji Science College, Nagpur during 29 - 30 Dec. 2009.
- Participated in DST Sponsored National Symposium on “**Nanotrends 2008**” held on 27<sup>th</sup> Sept. 2008 organized by Dharampeth Science College, Nagpur.
- Participated in 2<sup>nd</sup> National Seminar on “**Material Preparation and Characterization**” held by Department of Physics, RTMNU, Nagpur on 30 - 31 March 2007.
- Represented the college at University level in Quiz in Rashtrasant Tukdoji Maharaj Nagpur University Students Council’s “**YUVARANG – 2007**” on 29 Dec. 2006 and 3 Jan. 2007

### Professional Membership

- A member of Indo – American Global Webinar, “IUCEEE”.
- A life member of Luminescence Society of India (LSI).
- A life member of Indian Society for Technical Education (ISTE).

### Awards and Ranks

- Secured All India 6<sup>th</sup> rank in UPSC Direct Recruitment Process in Physics.
- Recipient of “Best Paper” award for the paper titled “Use of advanced technology in developing smart villages” in International Conference on Clean and Smart city and village at ITM College of Engineering, Kamptee- Nagpur on 7-8 April 2017.
- Recipient of “Star of the Month Award” at ITM College of Engineering for the month of March 2017.
- Recipient of “Open Merit Scholarship for SSC”
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### Academic Project at PG Level

Project titled “**Preparation and Characterization of Blue Luminescent Organic Phosphor**” at Department of Physics, RTM Nagpur University Nagpur.

## Computer Proficiency

- Completed MSCIT (Maharashtra State Certificate in Information Technology) with 84%.
- Operating System: WINDOWS- 98/2000/XP/Vista/UBUNTU
- Office Software: MS Office
- Skilled in handling Software of **AICTE COLLEGE WEB PORTAL** for uploading online college information.

## Personal Details

- Fathers Name: Shri. (Late) Mahadevarao K. Muke
- Mothers Name: Smt. Kamal Mahadevrao Muke
- Permanent Address: Flat no. 203, Galaxy Mansion -III, Om Sai Nagar, Manewada  
Besa Road, Manewada, Nagpur- 27.
- Mob. No.: +919960987148, +917385037127
- Email id : [anil.muke@gmail.com](mailto:anil.muke@gmail.com), muke\_anil@yahoo.co.in ,
- Date of Birth : 23<sup>rd</sup> October 1983
- Religion: Hindu
- Category: OBC (Kunbi)
- Passport No.: J9294478
- Marital Status: Married
- Languages known: English, Hindi, Marathi

## References

<b>1. Dr. A. Kalyanasundaram</b> Associate Professor and Head Department of Physics, Avvaiyar Government College for Women, Karaikal- Puducherry- 609602 Email: ayyarukalyanasundaram@gmail.com Mob. No. +91 7550332634	<b>2. Dr. S.V. Moharil</b> Retired Professor and Head, Post Graduate Teaching Department of Physics, RTM Nagpur University, Nagpur. Email – sanjiv.moharil@gmail.com Mob. No. +91 9561117754
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## Declaration

I hereby declare that, above information is true to the best of my knowledge.

Place: Nagpur

Date: 15/02/2023

Anil Mahadevrao Muke