

Curriculum Vitae

Dr. SANTOSH RAMESH WADGANE

Communication Address:-

At. JawaleDumala,

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MAHARASHTRA.



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❖ Career Objective

To work in challenging environment where my overall abilities and knowledge will be utilized and thereby increase my skill, confidence and ensure a promising future.

❖ Educational Qualification :-

Degree/ Diploma	Special subject	Board/University	Year of passing	%
Ph.D	PHYSICS	Dr. BAMU, Aurangabad	Dec- 2018	Awarded
B.Ed	Mathematics, Science	Pune University, Pune	2007	72.50
M.Sc.	Physics	Dr. BAMU, Aurangabad	2005	70.08
B.Sc.	Physics, Electronics Computer Science	Dr. BAMU, Aurangabad	2003	69.37
H.S.C.	Phy,Chem,Maths.	MSBSHSE Pune Board	2000	56.17
S.S.C.	Eng, Mar, Math, Sci.	MSBSHSE Pune Board	1998	61.09

❖ Ph.D Research Title :-

“Synthesis, Characterization and Studies on Magnetic Properties of Magnetolectric Nanocomposite”.

Total Teaching Experience = 11.8 Years

❖ Teaching Experience : -

Sr. No.	Name of the Institute	Post held	Date of Appointment	Nature of Work	Date of Leaving	Period of working
1	Dr. B.A.M. University, Sub-Campus, Osmanabad	Assistant Professor	16.08.2019	C.H.B.	Til date	4 months
2	Dhole Patil College of Engg., Pune	Assistant Professor	12.08.2017	Ad-hoc	14.08.2019	2 years
3	ICEEM , Aurangabad	Assistant Professor	25.01.2012	Regular	09.08.2017	5 year 7 months
4	P.E.S. ENGG. Aurangabad	Lecturer	17.02.2011	Contract	16.01.2012	11 months
5	S.T.B.C.E, Tuljapur	Lecturer	22.08.2008	Ad-hoc	04.12.2010	2 years 4 months
6	R. P. College, Osmanabad	Lecturer	16.07.2007	C. H. B.	30.04.2008	9 months

*** Research Publication in Peer Review Journals:-**

1. **“Ferro and magneto-electric characteristics in $YFeO_3$ - $Y_3Fe_5O_{12}$ nanocomposite”.**
Santosh R. Wadgane, S. E. Shirsath, A. S. Gaikwad, Sunil Satpute, A. B. Kadam, R. H. Kadam.
Journal of Magnetism and Magnetic Materials (2017) Page no.-103-109 IF: 3.046
2. **“Magnetic field induced polarization and magnetoelectric effect in $Na_{0.5}Bi_{0.5}TiO_3 + Co_{0.75}Zn_{0.25}Cr_{0.2}Fe_{1.8}O_4$ multiferroic composite”.**
S. R. Wadgane, S. T. Alone, Asif Karim, Gaurav Vats, Sagar E. Shirsath, R. H. Kadam.
Journal of Magnetism and Magnetic Materials (2018) Page no.-388-393 IF: 3.046
3. **Surprisingly high magneto-electric coupling in cubic $Co_{0.7}Fe_{2.3}O_4$ - $SrTiO_3$ nano-composites.**
Anil S. Gaikwad , R.H. Kadam , Sagar E. Shirsath, **Santosh R. Wadgane** , Jyoti Shah, R.K. Kotnala, A.B. Kadam.
Journal of Alloys and Compounds (2018) Page no.-564-570 Impact Factor: 3.779
4. **Magneto-electric coupling and improved dielectric constant of $BaTiO_3$ and Fe-rich ($Co_{0.7}Fe_{2.3}O_4$) ferrite nano-composites.**
Gaikwad, Anil S.Shirsath, Sagar E. **Wadgane Santosh R**, Kadam R. H. Shah Jyoti, Kotnala R. K. Kadam, A. B.
Journal of Magnetism and Magnetic Materials, Page no.-508-514 IF: 3.046
5. **Y^{3+} substituted Sr-hexaferrites: sol-gel synthesis, structural, magnetic and electrical Characterization.**
S. S. Satpute , **S. R. Wadgane**, S. R. Kadam, D. R. Mane, R. H. Kadam.
Cerâmica 65 (2019) Page No. 274-281

6. **Substitutional Effect of Y³⁺ ions in cobalt ferrite on the structural, magnetic and electrical properties of nanoparticles.**

S. S. Satpute , **S. R. Wadgane**, Kirti desai, D. R. Mane, R. H. Kadam.

Cerâmica 66 (2020) Page No. 43-49.

7. **Hopping mechanism and cation distribution studies in Y³⁺ doped cobalt ferrite Nanoparticles**

Sunil Satpute, S.B. Shelke, Birajdar A.A., **Wadgane Santosh**, Lohar K.S. Mane D.R. , S.M. Patange, R. H. Kadam.

Int. Research Journal of Science & Engineering, Impact Factor: 3.662 (Cosmos)

*** Paper Presentation in Conference:-**

1. Structural and dielectric characteristics of NBT – CZCFO multiferroic composite at room temperature.

Santosh R. Wadgane, Sunil Satpute, Supriya R. Kadam, S. B. Shelke, S.E.Shirsath, R.H. Kadam.

106th Indian Science Congress held at L.P.University, Jalandhar, Punjab- 2019.

2. Room temperature XRD and magnetic investigations of NBT-Zn-Cr-CFO multiferroic composites.

Santosh Wadgane, A.R.Shitre, S.K.Gurav,S.D.Balsure, S.S.Satpute,S.M. Patange, R. H. Kadam

Int. Research Journal of Science & Engineering, Impact Factor: 3.662 (Cosmos)

3. Structural and Dielectric properties of (x) YFeO₃ + (1-x) Y₃Fe₅O₁₂ magnetoelectric Nanocomposite

Santosh R.Wadgane, Sunil Satpute, Mahesh Mane, S. T.Alone, Sagar.E.Shirsath, R. H. Kadam.

105th Indian Science Congress held at Manipur University, Imphal-2018

4. Tailoring the structural and magnetic properties of Co²⁺ substituted Co-Cu-Cr ferrite nanoparticles.

S.B. Shelke, **Santosh Wadgane**, M. L. Mane, Sunil Satpute, A. S. Gaikwad, B.

H. Devmunde, V. S. Shinde, C. U. Nikam.

Int. J. Advanced Research in Basic and Applied Sciences; Special Issue (2017).

❖ Conference /Workshop Attended:-

1. **107th Five day International conference organized by The Indian Science Congress Association at University of Agricultural Sciences, Bangalore from 03-07 January 2020.** (Under Department of Science & Technology, Ministry of science & Technology, Government of India.)
2. **106th Five day International conference organized by The Indian Science Congress Association at Lovely Professional University, Jalandhar, Punjab from 03-07 January 2019.** (Under Department of Science & Technology, Ministry of science & Technology, Government of India.)
3. **Recent Advances in Green Chemistry & Physics- April-2018 to be held at Shri Chhatrapati Shivaji College, Omerga, Tq. Omerga, Dist. Osmanabad. 413606, Maharashtra, India.**

4. **105th Five day International conference organized by The Indian Science Congress Association at Manipur University, Imphal From 16-20 March 2018.**(Under department of science & Technology, Ministry of science & Technology, Government of India.)
5. **One day National Conference on Innovation in Nanomaterials and Nanotechnology -2017 (NCINMNT-2017)**to be held in Rajarshi Shahu Arts, Commerce and Science college Pathri, Tq. Phulambri, Dist. Aurangabad.-431111, Maharashtra, India
6. **104th Five day International conference organized by The Indian Science Congress Association at S. V. University, Tirupati from 03-07 January 2017.** (Under department of science & Technology, Ministry of science & Technology, Government of India.)
7. **Two Week ISTE short term Training Programme on Engineering Physics conducted by IIT Bombay from December 8 – 18, 2015** (Under the National Mission on Education through ICT (MHRD, Govt. of India.)
8. **One day workshop on revised syllabus of Engineering Physics for First year Engineering Sponsored by Dr. B.A.M. University, Aurangabad organized on 18th October 2011** conducted by Hi-Tech Institute of Technology, Aurangabad.

❖ **Extra -Curricular Activities At College Level:-**

- ❖ College Level NAAC Criteria -6 In-charge.
- ❖ Life time Membership of “**Indian Science Congress Association**”.
- ❖ National Service Scheme (NSS) In-charge

❖ **Personal Profile :-**

Name	:-	Dr. Wadgane Santosh Ramesh
Date of Birth	:-	23 / 02 / 1983
Permanent Address	:-	At. Jawale (Dumala) Post –Khamgaon Tq. & Dist – Osmanabad. Pin- 413508
Language Known	:-	Marathi, Hindi, English.
Nationality	:-	Indian
Religion	:-	Hindu (Maratha)
Mobile No.	:-	9422933107, 9764082470
E-mail Id	:-	santosh231983@gmail.com

I hereby declare that the information furnished above is true and correct to the best of my knowledge.

Date:

Place: Pune.

Dr. SANTOSH R. WADGANE