

# BIODATA



**Name : Dr. TAMBOLI ARIF MOHD RASUL**

**Designation: Associate Professor.**

**Office Address:** Department of Electronic Science,  
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**Affiliated to Savitribai Phule Pune University, Pune-411007 (INDIA)**

**Permanent Address : B-5/5 Gauri Shanker Park, Benkar Vasti,  
Dhyari Gaon PUNE- 411041.**

**Date of Birth : 24<sup>th</sup> JULY 1968**

**Nationality : Indian.**

**Marital Status : Married**

**Languages Known : Marathi, Hindi and English.**

**Educational Qualification: Ph.D., M. Sc. Physics with Electronics Specialization**

<b>Examination</b>	<b>University / Board</b>	<b>Month &amp; Year of Passing</b>	<b>Subjects</b>	<b>Percentage/Marks obtained</b>	<b>Class / Division / Grade</b>
Secondary / S.S.C.	PUNE Board	JUNE-1984	Maths, Science, Languages	69.85	FIRST CLASS
Higher Secondary / H.S.C.	PUNE Board	JUNE-1986	Maths, Science, Languages	54.85	SECOND CLASS
UG Degree (SCIENCE)	Ferguson College, SPPU, Pune, Pune-411007	JUNE-1991	PHYSICS	53.14	SECOND CLASS

PG Degree (SCIENCE)	Ferguson College, SPPU,Pune ,Pune-411007	NOV-1993	PHYSICS with Electronics Specialization	58.14	B+
Ph.D (SCIENCE)	Dr.BAMU Aurangabad	AUG-2017	PHYSICS	Awarded	

### Teaching Experience

Duration	Position Held	Organization
1994–2000	Lecturer	Poona College, Camp, Pune-411001
2000-2005	Sr. Scale Lecture	Poona College, Camp, Pune-411001
2005-2008	Selection Grade Lecturer	Poona College, Camp, Pune-411001
2008- 2021	Associate Professor	Poona College, Camp, Pune-411001

### Orientation Course and Refresher Courses attended so far:

SR. NO.	Particulars of Orientation Course and Refresher Courses	PLACE	DATE
1	Orientation Course	Academic Staff College, University of Pune, Pune-7	05 <sup>th</sup> Nov-1997 to 02 <sup>nd</sup> Dec-1997
2	Refresher Courses	Academic Staff College, University of Pune, Pune	01 <sup>st</sup> Dec-2000 to 28 <sup>th</sup> Dec-2000
3	Refresher Courses	Academic Staff College, University of Pune, Pune	04 <sup>th</sup> Nov-2004to 04 <sup>th</sup> Nov-2004
4.	Refresher Courses	Academic Staff College, Osmaniya University, Hyderabad	01 <sup>st</sup> Nov-2006 to 21 <sup>st</sup> Nov-2006

**Topic of Ph.D.:** Electric, Magnetic and Dielectric Properties Characterization of  
Torrid and Pallet of Nano Crystalline Ferrite Materials  
Synthesized by Sol Gel Method.

**Area of Interest:** Analog Electronics, Power Electronics, Communication  
Electronics, Instrumentation.

**Papers taught:** Analog Electronics , Analog System Design, Communication  
Systems, Power Electronics, Instrumentation, Fiber optic  
Communication, Consumer Electronics, Process Control.

**Research Project Completed:** Minor Research Projects completed: 01

SPPU PUNE,2012 to 2014. Rs, 200000/-

Membership of Professional bodies:

1. Life Membership SPEED, Pune, Pune.
2. Life Membership of IPTA Kanpur

**Research Papers Published:**

Sr. No.	Title of Research Paper	Name of Author
1	SYNTHESIS AND CHARACTERIZATION OF NANO-CRYSTALLINE NiCuCoFe <sub>2</sub> O <sub>4</sub> PREPARED BY USING SOL-GEL AUTO-COMBUSTION TECHNIQUE	Tamboli A.M., Dr.S.M. Rathod,
2	NANOTECHNOLOGY: FUNDAMENTALS AND APPLICATIONS	Tamboli A.M.,
3	“STRUCTURAL INVESTIGATIONS OF NANOCRYSTALLINE SPINEL FERRITE SYNTHESIZED BY SOL-GEL AUTO COMBUSTION TECHNIQUE”.	Tamboli A.M., Dr.S.M. Rathod, Dr. Dhage V N
4	“SYNTHESIS AND CHARACTERIZATION OF NANOCRYSTALLINE NI CU CO FE <sub>2</sub> O <sub>4</sub> PREPARED BY USING SOL-GEL AUTO-COMBUSTION METHOD”	Tamboli A.M., Dr. S.M. Rathod,
5.	“ROLE OF ICT IN STRUCTURAL INVESTIGATIONS OF NANOCRYSTALLINE SPINEL FERRITE MATERIALS”.	Tamboli A.M., Dr. S.M. Rathod, Dr. Gulam Rabbani
6.	“STRUCTURAL, MAGNETIC AND RESISTIVE PROPERTIES OF Cu <sup>2+</sup> SUBSTITUTED Ni Co NANOCRYSTALLINE SPINEL FERRITE MATERIAL”	Tamboli A.M., Dr. S.M. Rathod, Dr. Gulam Rabbani
7	ROLE OF SCIENCE AND TECHNOLOGY FOR PROTECTION OF ENVIRONMENT AND SUSTAINABLE ECONOMIC DEVELOPMENT OF THE WORLD.	Tamboli A.M., S.F.Mulla, Dr. Gulam Rabbani
8.	“DIELECTRIC BEHAVIOUR OF NI <sup>+2</sup> SUBSTITUTED CU CO NANOCRYSTALLINE SPINEL FERRITE MATERIAL”.	Tamboli A.M., Dr. S.M. Rathod, Dr. Gulam Rabbani
9.	“ROLE OF NANO CRYSTALLINE SPINEL FERRITE MATERIAL IN THE COMMUNICATION AND INFORMATION TECHNOLOGY”.	Tamboli A.M., Dr. Gulam Rabbani Shaikh Irfan
10.	“STRUCTURAL AND DIELECTRIC PROPERTIES OF CO <sup>+2</sup> SUBSTITUTED NI CU NANOCRYSTALLINE SPINEL FERRITE MATERIAL”.	Tamboli A.M., Dr. S.M. Rathod, Dr. Gulam Rabbani
11.	“COMPARATIVE STUDY OF PHYSICAL AND MAGNETIC PROPERTIES DUE TO SUBSTITUTION OF Ni <sup>2+</sup> AND Co <sup>2+</sup> IN CuCo AND	Tamboli A.M., Dr. S.M. Rathod, Dr. Gulam Rabbani

	NiCu NANOCRYSTALLINE SPINEL FERRITE RESPECTIVELY.”	
12.	“COMPARISON OFMAGNETIC PROPERTIES OF NI <sup>2+</sup> , CO <sup>2+</sup> AND CU <sup>2+</sup> SUBSTITUTED IN CUCO, NICU AND CONI NANOCRYSTALLINE SPINEL FERRITE RESPECTIVELY PREPARED BY SOL GEL AUTO COMBUSTION METHOD.”	Tamboli A.M., Dr. S.M. Rathod, Dr. Gulam Rabbani
13.	“EFFECT ON DIELECTRIC PROPERTIES OF NANOCRYSTALLINE SPINEL FERRITE MATERIAL DUE TO SUBSTITUTION OF Cu <sup>2+</sup> IN Co Ni.”	Tamboli A.M., Dr. S.M. Rathod, Dr. Gulam Rabbani
14.	EFFECT ON AC CONDUCTIVITY OF NANOCRYSTALLINE SPINEL FERRITE MATERIAL DUE TO SUBSTITUTION OF Ni <sup>2+</sup> , Co <sup>2+</sup> AND Cu <sup>2+</sup> IN CuCo, NiCu AND CoNi RESPECTIVELY PREPARED BY SOL GEL AUTO COMBUSTION METHOD.	Tamboli A.M., Dr. Mazahar Farooqi, Dr. Gulam Rabbani
15	EFFECT ON AND CORRELATION BETWEEN PARTICLE SIZE, LATTICE CONSTANT AND AC CONDUCTIVITY OF NANOCRYSTALLINE SPINEL FERRITE MATERIAL DUE TO SUBSTITUTION OF NI <sup>2+</sup> , CO <sup>2+</sup> AND CU <sup>2+</sup> IN CUCO, NICU AND CONI RESPECTIVELY PREPARED BY SOL GEL AUTO COMBUSTION METHOD	A.M. Tamboli1, Dr. Mazahar Farooqi, Dr. J. M. Pathan, Dr. Gulam Rabbani
16	EFFECT ON AND CORRELATION BETWEEN PARTICLE SIZE, X-RAY DENSITY AND DIELECTRIC CONSTANT, OF NANOCRYSTALLINE SPINEL FERRITE MATERIAL DUE TO DOPING OF NI <sup>2+</sup> , CO <sup>2+</sup> AND CU <sup>2+</sup> IN CUCO, NICU AND CONI RESPECTIVELY PREPARED BY SOL GEL AUTO COMBUSTION METHOD.	A.M. Tamboli1, Dr. S.M. Rathod, Dr. Gulam Rabbani, V. D. Kulkarni, Dr. Shaikh M Azhar
17	CORRELATION BETWEEN LATTICE CONSTANT, BULKDENSITY AND DIELECTRIC LOSS OF NANOCRYSTALLINE SPINEL FERRITE MATERIAL DUE TO DOPING EFFECT OFNI <sup>2+</sup> , CO <sup>2+</sup> AND CU <sup>2+</sup> IN CUCO, NICU AND CONI RESPECTIVELY PREPARED BY SOL GEL AUTO COMBUSTION METHOD.	A.M. Tamboli, Dr. Gulam Rabbani, Dr. S. M. Rathod, Dr. Azhar M Shaikh
18	A STUDY OF POST IMPLEMENTATION PROBLEMS IN AN EDUCATIONAL ENTERPRISE RESOURCE PLANNING (E ERP) SYSTEM.	Mahtab Alam, Dr. Aftab Anwar Shaikh, Dr. A.M. Tamboli
19	EFFECTIVE IMPLEMENTATION OF SOFTWARE TOOLS FOR IDENTIFICATION AND CALCULATIONS OF VARIOUS ELECTRIC PARAMETERS OF FERRITE MATERIAL	Dr.A.M. Tamboli, Mr. Sohail Bagwan, Mrs.S.F.Mulla.

20	IMPACT OF LA3+ DOPED ON STRUCTURAL, MORPHOLOGICAL, DIELECTRIC AND ELECTRIC PROPERTIES OF NI-CO NANO FERRITES SYNTHESIZED BY SOL GEL METHOD.	V. D. KULKARNI , ARIF M. TAMBOLI, and S. M. RATHOD.
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**Books Publish:**

Sr. No	Title of Book	Class and Semester	ISBN
1	“Communication Electronics” Semester III (EL-231), CBCS (June-2020-21).	S. Y. B.Sc. Electronic Science Paper-I,	PRINT ISBN: 978-1-68576-047-2, E-ISBN: 978-1-68576-049-6.
2	Semiconductor Devices and Basic Electronic Systems. F.Y.B.Sc. Electronic Science of B.Sc (Computer Science). CBCS (June-2019-20).”	F.Y.B.Sc. Electronic Science of B.Sc. (Computer Science) Paper I Semester-I, ELC-111,	Print ISBN: 978-1-68576-019-9 and E-ISBN: 978-1-68576-024-3
3	“Electronic Devices and Circuits. F.Y.B.Sc. Electronic Science, CBCS (June-2019-20).	F.Y.B.Sc. Electronic Science, EL-112 Paper-II Semester-I.”	Print ISBN- : 978-93-91276-51-5 and E-ISBN-978-93-91276-52-2.
4	“ Analog Circuit Design” S. Y. B.Sc. Electronic Science Paper-I, Semester IV (EL-241), CBCS (June-2020-21).	S. Y. B.Sc. Electronic Science Paper-I, Semester IV (EL-241), CBCS (June-2020-21).	PRINT ISBN: 978-1-956102-67-3, E-ISBN:978-1-956102-68-0 .
5.	“Analog and Digital Device Applications” F.Y.B.Sc. Electronic Science EL- 122, Paper-II Semester-II.”	F.Y.B.Sc. Electronic Science EL- 122, Paper-II Semester-II.”	Print ISBN- : 978-1-956102-38-3 and E-ISBN-. 978-1-956102-41-3.
6.	“Analog Circuit Design and Applications ” T.Y.B.Sc. Electronic Science EL- 353, Paper-III Semester-V.”	T.Y.B.Sc. Electronic Science EL- 353, Paper-III Semester-V.”	Print ISBN- : 978-93-91276-98-0

**API Score calculated on the basis of the UGC Regulation of 2018 dated 18th July 2018 and the validated API Score for Table 2 as stipulated in the regulation:**

Sr. No.	Details	API Score
1.	Research Papers in Peer- Reviewed or UGC Listed Journals	<b>122.2</b>
2.	Publications (other than Research Papers)	<b>00</b>

3.	Creation of ICT mediated Teaching Learning Pedagogy Content & Development of new and innovative Courses and Curricula	<b>18</b>
4.	a) Research Guidance b) Research Projects Completed c) Research Projects Ongoing d) Consultancy	<b>05</b>
5.	a) Patents b) Policy Document c) Awards/ Fellowship	<b>00</b>
6.	Invited Lectures / Resource person/ Paper Presentation (Capping 30% of the Total Score)	<b>40</b>
	<b>TOTAL</b>	<b>185.2</b>

**API Calculated from University: 185.2**

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