

CURRICULUM VITAE



Name: Dr. Prakash Dattatraya Kamble

Designation : Associate Professor

Organization : Department of Chemistry, Balasaheb Desai College, Patan.

Dist. Satara, India (MS)

Birth Date: 28th May 1971

Citizenship : Indian

Address for Communication: Department of Chemistry, Balasaheb Desai College, Patan.
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Residential Address: Dattamala Chapoli Road Patan At-Post-Patan

Tal: Patan, Dist: Satara, (Maharashtra)- 415206. India

Educational Background : • Doctor of Philosophy (Chemistry), Awarded on 19thSept. 2007

Shivaji University, Kolhapur

Thesis entitled “Studies In Some Mixed Metal Oxide Systems.”.

Guide : Prof. P. P. Hankare, Shivaji University, Kolhapur

- Master of Science (Chemistry), 1994-1995 Shivaji University, Kolhapur
- B.Ed: 1996-1997

Courses Taught :

- B.Sc. Chemistry, M.Sc. Analytical Chemistry.

Teaching Experience: 24 years.

Postgraduate Teacher Recognition:

Permanent recognition as a Postgraduate Teacher from S. U. Kolhapur for postgraduate course from 2008-09

Experiance :Ten year experience at Balasaheb Desai College Patan.

Examination Work :

- Worked as Paper setter, Moderator, Examiner(Theory), Examiner(Practical) in Shivaji University.

Social Work:

I am working for the community through the following social organizations.

- Maharashtra Sahitya Parishad Pune, Branch Patan (Life Member)
- Sahyadri Adventure (NGO), Patan (Member)
- Director of the Government Aided Library At. Marali Tal.Patan
- Member of Shivaji University Teachers Association (SUTA)

Positions held :

• Lecturer : June 1998 - December 2005. Department of Chemistry, Balasaheb Desai College, Patan, Dist. Satara, India (MS).

• Assistant Professor: January 2006- February 2018. Department of Chemistry, Balasaheb Desai College, Patan, Dist. Satara, India (MS).

• Associate Professor: 25/2/2021 onwards. . Department of Chemistry, Balasaheb Desai College, Patan, Dist. Satara, India (MS).

Research Work:

Research Guidance: Four Students Registered for Ph.D

Four students are working for their Ph.D. under the guidance and one student Awarded Ph.D.

Minor and Major research project:

Sr. No	Title of the Project	Name of the Funding Agency	Whether Co-PI	Period	Duration & amount	Remarks
1	“Synthesis and Studies of catalytic Properties of mixed Metal Oxides for organic synthesis”	UGC-New Delhi	Principal investigator	2009-2011	Two years 95000 Rs	Completed.
2	“Synthesis, Characterization and Investigation of Properties of Some Mixed	UGC-New Delhi	Co-investigator	2010-2012	Two years 75000/- Rs	completed
3	“Synthesis and Characterization of Mixed Metal Oxides and Their Applications in Catalysis”,	DST-New Delhi	Principal investigator	2016-2017 and 2018-2019	Two years 11,00,000/- Rs	Sanctioned and completed

Orientation, Refresher & Short-Term Courses:

Sr. No	Name of the Course	Place	Duration	
			From	To
1	Orientation Course	A. S. C. Goa University	16/10/2002	13/11/2002
2	Refresher Course	Shivaji University Kolhapur	15/02/2005	07/03/2005
3	Refresher Course	A. S. C. DR. B. A. M. University, Aurangabad	05/07/2013	25/07/2013
4	Short Term Training Programme on “Faculty Development Workshop”	Shivaji University Kolhapur	02/11/2015	06/11/2015
5	Short Term Course (FDP) on “Microteaching (Chemistry)”	Savitribai Phule Pune University	10/03/2019 (7 Days)	16/03/2019
6	Short Term Course (FDP) In“ Innovative Practice in Pedagogy (Chemistry)”	Azad College of Education Satara (SavitribaiPhule Pune University)	15/06/2019 (10 Days)	24/06/2019
7	Short Term Course; One Week STTP on “ Innovative in Physics and Chemistry”	Annasaheb Dange College of Engineering andTechnology,Ashta	18/05/2021 (7Days)	23/05/2021
8	Short Term Course(FDP) In“Research Methodology”	Kamala Neharu Mahavidyalya Nagpur	02/05/2022 (6Days)	07/05/2022

RESEARCH PAPERS PUBLISHED :

RESEARCH PAPERS PUBLISHED IN INTERNATIONAL JOURNALS:

Sr. No.	Title of Research Paper	Author /Authors	Journal	Vol. No., Month of Publication and Page Numbers	ISSN / ISBN No.	Impact Factor, if any
1	Effect of sintering temperature on the properties of Cu–Co ferrites prepared by oxalate precipitation method.	P.P. Hankare, P.D. Kamble, M.R. Kadam, K.S. Rane, P.N. Vasambekar	Materials Letters(Elsevier)	61, 13, (2007) 2769		1.5
2	Synthesis, characterization and electrical properties of the system $\text{LaMn}_x\text{Fe}_{1-x}\text{O}_3$ Journal of Alloys and Compounds	P.P. Hankare, M.R.Kadam, P.D. Kamble, S.D. Jadhav, U.B. Sankpal, R.P. Patil, V.B. Helavi, N.S. Gajbhiye.	Journal of Alloys and Compounds (Elsevier)	Volume 489, Issue 1,7Jan(2010)Pages233-236		1.5
3	Ferrospinel based on Cu and Co prepared via low temperature route as efficient catalysts for the selective oxidation of alcohol	P.P.Hankare ,P.D.Kamble S.P. Maradur, M.R.Kadam, U.B. Sankpal, R.P. Patil, R.K. Nimat,	Journal of Alloys and Compounds (Elsevier)	Volume 487, Issues 1-2, 13 November2009,Pages730-734		1.6

		P.D. Lokhande.				
4	Magneto-Structural Properties and photocatalytic performance of Soal-Gel synthesized cobalt substituted Ni –Cu ferrite for degradation of methylene blue under sunlight	PV Gaikwad, RJ Kamble, SJ Mane-Gavade, SR Sabale, PD Kamble	Physica B: Condensed Matter (Elsevier)	Vol-554 (2019) Pages : 79-85	Online ISSN: 0921-45261	Peer reviewed Impact Factor: 1.874
5	Co ²⁺ substituted ZnCuFe ₂ O ₄ (0.0<x<0.5) ferrite ,synthesis magneto structural and optical properties of their photocatalytic performance	P Gaikwad, S Zimur, S Sabale, P Kamble	JournalOf Superconductivity & Novel magnetism (Springer)	Vol- 32 Jan. 2019 Pages : 2551–2558	Online ISSN: ISSN: 1557-1939 (Print) 1557-1947 (Online)	Peer reviewed Impact Factor: 1.130
6	Effect of Sn substitution on Structural, Electrical & Magnetic Properties of Copper Ferrites by Sol-gel auto Combustion Method.	S D Zimur, P D Kamble, P V Gaikwad, A V Mali	International JournalOf Research & Analytical Reviews	Vol-5 December 2018 Pages : 139-147	Online ISSN: 2348-1269, Print-ISSN: 2349-5138	Peer reviewed Impact Factor: 1.4
7	Effect of Co content On Structural & Magnetic properties of manganese Copper Ferrite Synthesized by Sol Gel Auto combustion method	P V Gaikwad, P D Kamble, M R Kadam, S D Zimur,	International JournalOf Current Engineering & Scientific Research	Vol 4 2017 Pages61-67	ISSN 2393-8374 Online 2394-0697	Peer Reviewed Impact Factor: 1.2
8	Synthesis and Electrical Magnetic	M R Kadam, P D Kamble,	Aarhat Multidisciplinary	Vol VII Special	ISSN 2278-	Peer Reviewed

	Studies of $Cu_{1-x}Co_xFe_2O_4$ Ferrite.	S. A. Shivade	International Education Research Journal	Issues-IX 2018 Page No.185-191	5655	Impact Factor:
9	Effect of Tin (Sn) Substitution on the Structural Properties of CO Ferrite nanoparticle Synthesized via Sol Gel Route	S D Zimur, P D Kamble, M R Kadam, P V Gaikwad	Aarhat Multidisciplinary International Education Research Journal	Vol VII Special Issues-IX 2018 Page No. 179-183	ISSN 2278-5655	Peer Reviewed Impact Factor:
10	Effect of Sn doping on structural properties of Co Ferrite Synthesized by sol gel method	P V Gaikwad, P D Kamble,	Aarhat Multidisciplinary International Education Research Journal	Vol VII Special Issues-IX 2018 Page No. 139-144	ISSN 2278-5655	Peer Reviewed Impact Factor:
11	Biogenic Capped Silver Nanoparticles in Lablab Purpureus Pod Extract Exhibit Selective Antibacterial and Synergistic Anticancer Activity	S. J. Kamble ¹ , K. D. Pawar ² , P. D. Kamble ³ , J. M. Patil ⁴ , V. J. Sawant ^{5,*}	Advanced Materials Letters	Vol-12(8) 2021 Page No.1-9	DOI:10.5185/a/mlett.2021.081657.	Peer Reviewed Impact Factor:
12	Magneto-structural properties and reliability of (Mn/Ni/Zn) substituted cobalt-copper ferrite heterogeneous catalyst for selective and efficient oxidation of aryl alcohols	Pratapsingh Gaikwad, Sandip Sabale, Rajnikant Kurane, Bhalchandra Kakade, Haridas Parase, Rohant Dhabbe & Prakash Kamble	Inorganic and Nano-Metal Chemistry	Page No.1-14	DOI: 10.1080/24701556.2021.1980036	Peer Reviewed Impact Factor:

INTERNATIONAL CONFERENCES: - PAPERS PRESENTED: 03

- 1) Synthesis and Characterisation study of $Mn_{1-x}Cu_xFe_2O_4$ International Conference on Bionano Frontier, 22&23 April, 2015 ISSN 0974-0678 Online 2320-9593 at SGM college, Karad.
- 2) Synthesis and Characterisation of $MnCoCuFe_2O_4$ prepared by sol gel auto combustion method International Conference on Bionano Frontier, 22&23 April, 2015 ISSN 0974-0678 Online 2320-9593 at SGM college, Karad.
- 3) Investigation on structural, electrical, magnetic and catalytic properties of $LaNi_xFe_{1-x}O_3$ system synthesized by sol gel auto combustion method International Conference on Bionano Frontier, 22&23 April, 2015 ISSN 0974-0678 Online 2320-9593 at SGM college, Karad.

NATIONAL CONFERENCES: - PAPERS PRESENTED: 15

- 1) Catalytic Activity of Ferospinals Containing Copper, Cobalt, and Iron. National Symposium and Conference on Solid State Chemistry and Allied areas, December 1-3, 2005. (poster) P.P. Hankare, P.D. Kamble, M.R. Asabe.
- 2) Synthesis and Characterization of Cu-Ni ferrite by *oxalate precipitation method*. UGC-SAP National Seminar On Synthesis of New Materials for Industrial Applications. February 1-2, 2008. (oral) P.P. Hankare, P.D. Kamble, S.D. Jadhav, V.T. Vader.
- 3) Effect of sintering temperature on the properties of Cu-Zn ferrites prepared by *oxalate precipitation method*. Campaign On University Research and Training Court -2006, 6-7 October. P.P. Hankare, P.D. Kamble
- 4) Characterization of Cu-Zn ferrites prepared by *oxalate precipitation method*. National conference on Recent Trends in Chemistry, October 14-15, 2010. (poster) P.P. Hankare, P.D. Kamble, M.R. Kadam
- 5) Synthesis Characterisation and catalytic studies of $Cu_{1-x}Ni_xFe_2O_4$. National conference on Prospects and opportunities in chemical sciences, 29/1/15 and 30/1/15, ISBN: 978-93-84916-56-5 at Arts, Science and Commerce college, Wagholi, Pune.
- 6) Characterisation and electrical properties of some perovskite compounds $LA(M)O_3$. National conference on Prospects and opportunities in chemical sciences, 29/1/15 and 30/1/15, ISBN: 978-93-84916-56-5 at Arts, Science and Commerce college, Wagholi, Pune.
- 7) Effect of sintering temperature on structural properties of $MnCoCuFe_2O_4$ by sol gel auto combustion method. National conference on Recent Trends in Physics, 10/10/14 and 11/10/14, ISBN NO: 978-81-928732-3-7 at Yashwantrao Chavan Institute of Science, Satara (MS).

8) Synthesis of spinal copper manganese ferrite by auto combustion method. National conference on Frontiers of research in chemistry, 26/12/13 and 27/12/13, ISBN:978-93-5137-576-0 at SGM College Karad.

9) Catalytic decomposition of hydrogen peroxides by the system $\text{LaMn}_x\text{Fe}_{1-x}\text{O}_3$. National conference on Frontiers of research in chemistry, 26/12/13 and 27/12/13, ISBN:978-93-5137-576-0 at SGM College, Karad.

10) Synthesis and Characterisation of ferrosipinel $\text{Cu}_{0.6}\text{CO}_{0.4}\text{Fe}_2\text{O}_4$ By the room temperature co-precipitation route method. National conference on Recent trends in chemistry, 18/10/2013 & 19/10/2013, ISBN:978-93-5126-367-8 at Dahiwadi college, Dahiwadi.

11) Effect Of Sintering Temperature on X-ray And SEM of Cu-Zn ferrites prepared by oxalate precipitation method. National conference on Sustainable chemistry Challenges And Opportunities, 9/01/2012 & 10/01/2012 at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad Sub-campus Osmanabad.

Sr. No	Title of the Research paper	Name of the Conference/ Seminar/ Workshop	Venue	Sponsoring Agency	Period
12	Synthesis, Characterization & Catalytic studies of the system $\text{Cu}_{1-x}\text{Ni}_x\text{Fe}_2\text{O}_4$	National Conference on Frontier areas in chemical sciences ISBN-978-81-928732-5-1	Y.C.I.S Satara	U.G.C.	27-28 January 2017
13	Synthesis and Characterization of $\text{Cu}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ prepared by co precipitation method.	National level Seminar on Research Opportunities in Chemical, Physical and Biological Sciences	Arts Science Commerce college wagholi, Pune .	B.C.U.D. Savitribai Phule University Pune and Department of Chemistry	10 -11 January 2017
14	Synthesis and Characterization of $\text{Cu}_{1-x}\text{Ni}_x\text{Fe}_2\text{O}_4$ System.	National Conference on Recent Trends in Physical, Chemical and Nanosciences	L.B .S. College of Arts, Science and Commerce, Satara.	Shivaji University Kolhapur	23 January 2017

15	Synthesis and Characterization of Manganis Ferrites.	National Conference on Recent Trends in Physical, Chemical and Nanosciences	L.B .S. College of Arts, Science and Commerce, Satara.	Shivaji University Kolhapur	23 January 2017
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Development of e-learning material :

Video lectures on YouTube

❑ Chemical Bonding (MOT)

208 views

https://youtu.be/dDmUjEhsE_w