CURRICULUM VITA

1) **Name**   : Dr. Jayvant Balavant Patade

2) **Educational Qualification**   : M.Sc., Ph.D., Post-doc.

3) **Present Designation**   : Assistant Professor

4) **Date of Birth**   : 03/01/1985

5) **Contact No.**   : 9588602977

6) **Email ID**   : dr.jayvantpatade@gmail.com

7) **Date of Appointment**   : 03/05/2020

8) **Teaching Experience**   : 05 Years

9) **Date of joining in present college:** 03/05/2020

10) **Educational Qualification:**

Sr. No.	Examination Passed	University/ Board	Year of Passing	Subject(s)	Class/ Grade
1	S.S.C.	Kolhapur	2000	Mathematics, Science, Social Sciences, Marathi, Hindi, English	A
2	H.S.C.	Kolhapur	2002	Mathematics, Physics, Chemistry, Biology, Marathi, English	A
3	B.Sc.	Shivaji University, Kolhapur	2007	Mathematics	A
4	M.Sc.	Shivaji University, Kolhapur	2010	Industrial Mathematics with Computer Applications	O
5	Ph.D.	Shivaji University, Kolhapur	2013	Mathematics	-
6	Post-doc.	Savitribai Phule Pune University, Pune	2020	Mathematics	-

11) **Total Research Publications**   15

     a. **M.Phil. / Ph.D./Research**

Sr. No.	Ph. D. ThesisTitle	Name of The Univ.	Year of award	Name of Guide
1	Solving Nonlinear Systems of Differential Equations Using Iterative Methods	Shivaji University, Kolhapur	2017	Dr. Sachinkumar Bhalekar

b. Book: 2 (Chapter)

Sr. No.	Title of Book	Year of publication	ISBN	Name & Place of Publisher
1				

c. Chapter in Book:

Sr. No.	Title of Book & Name of Editor	Title of the Chapter	Year of publication	ISBN	Name & Place of Publisher
1	**Computational Sciences**	Analytical Solution of Pantograph Equation with Incommensurate Delay	2017	978-3110465365	De Gruyter
2	**The Craft of Fractional Modelling in Science and Engineering**.	Series Solution of the Pantograph Equation and Its Properties	2018	978-3038429838	Mdpi AG

d. Research Paper:

Sr. No.	Title of the Paper	Name of Journal	Month and Year of publication	ISSN	UGC. No./Impact Factor/ Citation Details
1	On Analytical Solution of Ambartsumian Equation.	National Academy Science Letters	2017	0250-541X	IF: 1.2 Citation: 37
2	Analytical solutions of nonlinear equations with proportional delays	Applied and Computational Mathematics	2016	1683-3511	IF: 4.6 Citation: 29
3	Approximate analytical solutions of Newell-Whitehead-Segel equation using a new iterative method	World Journal of Modelling and Simulation	2015	1746-7233	Citation: 54
4	A new numerical method based on Daftardar-Gejji and Jafari technique for solving differential Equations	World Journal of Modelling and Simulation	2015	1746-7233	Citation: 22

5	Analytical Solution of Pantograph Equation with Incommensurate Delay	*Physical Sciences Reviews*	2017	2365-659X	Citation: 26
6	Series Solution of the Pantograph Equation and Its Properties	Fractal and Fractional	2017	2504-3110	IF: 3.6 Citation: 19
7	An Analytical Solution of Fisher's Equation Using Decomposition Method	American Journal of Computational and Applied Mathematics	2016	2165-8935	Citation: 24
8	A Novel Numerical Method for Solving Volterra Integro-Differential Equation	Int. J. Appl. Comput. Math.	2020	2349-5103	Citation: 12
9	Modified DJ method: Application to Boussinesq equation	Mathematics in Engineering, Science and Aerospace	2021	2041-3165	
10	Existence and Uniqueness Theorems for Fractional Differential Equations with Proportional Delay,	Computational Methods for Differential Equations	2024	2345-3982	

e. **Research Project:**

Sr. No.	Name of Funding Agency	Project Title	Funds Received	Month and Year of sanction	Duration of the Project	Status of Project
1	Jaysingpur College, Jaysingpur	Analytical Study of Boussinesq equation	10,0000	2021	1 Year	Completed
2	Shivaji University, Kolhapur	Analysis of Novel Special Function	1,70,000	2022	2 Years	Completed

f. Papers presented in Seminar / Conference:

Sr. No.	Name of the Conference/ Seminar	Title of the paper	Date	Level (State/ National/ International)	Name of the Organizer
1	International Conference on Emerging Trends in Mathematical Sciences (ICETMS-2014)	Approximate Analytical Solutions of Nonlinear ODEs Using New Iterative Method	25-26/07/ 2014	International	Department of Mathematics, Vijayanagara Sri Krishnadevaraya University, Bellary, Karnataka
2	National Conference on Differential Equations-2015 (NCDE-2015)	Solving the Kuramoto-Sivashinsky Equation Using New Iterative Method	29-30/01/ 2015	National	Department of Mathematics Shivaji University, Kolhapur
3	International conference on Mathematical Sciences-2015 (MSC-2015)	Numerical solutions of stiff systems by using new numerical method	15-16 /09/ 2015	International	Department of Mathematics , Sadguru Gadage Maharaj College, Karad
4	National Conference on Fractional Calculus & Fractional Differential Equations	Analytical Solution of Fractional Differential Equation with Proportional delay	06-08 /11/ 2017	National	Department of Mathematics, Savitribai Phule Pune University, Pune.
5	International Conference on Special Functions & Applications (ICSFA-2018)	A new class of special functions arising from the solution of differential equations involving multiple proportional delays	22-24 /11/ 2018	International	Amal Jyothi College of Engineering, Kanjirappally, Kerala
6	International Virtual Conference on Interdisciplinary Development in Science, Technology, and Humanities (IVCIDSTH-2020)	Series Solution of System of Fractional Order Ambartsumian Equations: Application in Astronomy	5-6/08/2020	International	Jaywanti Haksar Govt. Post Graduate College,Betul & Chhindwara University, Chhindwara, M.P., India.

7	3rd International Conference on Mathematical Modelling, Applied Analysis and Computation (ICMMAAC-2020)	Modified DJ method: Application to Boussinesq equation	7-9/08/ 2020	International	JECRC University, Jaipur, India,.
8	4th International Conference on Mathematical Modelling, Applied Analysis and Computation-2021 (ICMMAAC-21)	Existence and Uniqueness Theorems for System of Fractional Differential Equations with Proportional Delays	5-7/08/2021	International	JECRC University, Jaipur, India.
9	International conference on Computational Mathematics (ICCM-2023)	Analytical solution of pantograph equation with incommensurate delay	03/02/ 2023	International	Sadguru Gadage Maharaj College, Karad.
10	International Conference on Mathematical Analysis & Its Application (ICMAA-2024)	Qualitative Analysis of Differential Equations with Proportional Delay	02-04/08/2024	International	Department of Mathematics, Karnataka University Dharwad

    g. **Patents published/Register:** _____

12) Research Guidance:

    a) **Guide ship Details**

Sr. No.	M.Phil./ Ph.D. Guide	Name of University	Month & Year of recognition	No. of Research Scholars	
				Completed	Perusing

b) **Research Guidance**

Sr. No.	Name of Scholar	Name of University	Month and Year Registration	Title of the Research

13) Professional recognition / award/ fellowship etc.

Sr. No.	Name of Award/ Recognition	Awarding Agency	Date
1	Post Doctoral Fellowship	Savitribai Phule PuneUniversity, Pune	2020

14) E-Content Development:

Sr. No.	Title of Content	Level (UG/ PG / ALL)	Platform	Link of E-Content

15) Work Experience on Academic Bodies and other:

Sr. No.	Designation/ Position	Duration	Name of Institute / University	Details
1	BoS Member	3	Tuljaram Chaturchand College, Baramati	

16) Life Membership of Profession Bodies:

Sr. No.	Name of Professional Body

17) Any other Attainment:

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