

BIO-DATA

1. Name and full correspondence address Dr. Mahesh Sahebrao Wavare
Department of Mathematics, Rajarshi Shahu
Mahavidyalaya (Autonomous), Latur MS
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9890620620/8668380847
3. Institution Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
4. Date of Birth 20.05.1980
5. Gender (M/F/T) Male
6. Category Gen/SC/ST/OBC General
7. Whether differently abled (Yes/No) No
8. Academic Qualification (Undergraduate Onwards)

| S.No. | Degree | Year | Subject | University/Institution | % of marks |
|-------|----------|------|-------------|------------------------|------------------|
| 1. | M.Sc | 2002 | Mathematics | S P P.U, Pune | 64.20% |
| 2 | M.Phil | 2011 | Mathematics | M K U Madurai | 53.00% |
| 3. | Ph.D | 2020 | Mathematics | S R T M U, Nanded | Completed |
| 4. | CSIR-NET | 2002 | Mathematics | CSIR | Qualified |
| 5. | GATE | 2003 | Mathematics | IIT ,Madras | 96.87% AIR 41 |
| 6 | PGDS | 2021 | Statistics | Y C M O U, Nashik | 98.50% |

9. Ph.D Thesis title : Linear Sections of Schubert Varieties and Linear Codes Associated with Schubert Varieties

Guide's Name: : Dr. Suryakant M Jogdand and Dr. Arunkumar R Patil (Co-Guide)

Institute/Organization/University: S R T M University, Nanded (M.S)

Year of Award : Dec 2020

10. Work experience (in chronological order)

| S.No | Positions held | Name of the Institute | From | To | Pay Scale |
|------|----------------|--|---|------------|----------------------------------|
| 1 | Lecturer | P C C E, Verna Goa | 07.06.2003 | 13.12.2005 | 8000-275-13500 |
| 2 | Lecturer | Nutan Mahavidyalaya, Sailu Dist Parbhani | 14.12.2005 | 17.11.2008 | 8000-275-13500 |
| 3 | Professor | Rajarshi Shahu Mahavidyalaya, Latur | 18.11.2008(Assistant Professor) 25.02.2019(Associate Professor) 27.06.2022(Professor) | Till date | AGP 10000/- Academic Level 14 |

11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant

| S.No | Name of Award | Awarding Agency | Year |
|------|---|---------------------------------|-----------|
| 1 | Top Performing Mentor for the NPTEL Online Certification Course | SWAYAM-NPTEL | 2018,2021 |
| 2. | Excellent Resource Person on the occasion of Teachers day | Research Culture Society | 2020 |
| 3 | Young Researcher Award 2021 | Institute of Scholar, Bangalore | 2021 |

12. Publications

| S.No | Author(s) | Title | Name of Journal | Volume | ISSN | Year |
|------|--|--|--|--|--------------------------------------|------|
| 1 | Prof.(Dr.) Tania Gupta, Mahesh Sahebrao Wavare, Prof. Chhaya Patel, Shahid Bashir, Dr. Sunder Kala Negi, Dr.Gadadh Latha | Multicultural Educational System: A Practical Approach to Healthy Global Society | Journal of Positive School Psychology | Vol. 6, No. 4, 9464–9472 | 2717-7564 Indexing: Scopus, EBSCO | 2022 |
| 2 | M.S. Wavare, S. M. Jogdand , A. R. Patil N. S. Darkunde | On Some Properties of Binary Schubert Code And Extended Binary Schubert Code | South East Asian J. of Mathematics and Mathematical Sciences | Vol. 18, No. 1 Page No:431-442 (2022) | 0972-7752 | 2022 |
| 3 | Mahesh S Wavare | Srinivasa Ramanujan: A Genius Mathematician Since Antiquity | International Journal of Science and Research (IJSR) https://www.ijsr.net/get_abstract.php?paper_id=SR22505222816 | Volume 11 Issue 5, May 2022, 545 - 547, #ijsrnet | 2319-7064 | 2022 |
| 4 | Nitin Darkunde Sachin Basude Mahesh Wavare | A Survey on LCD Codes | International Journal of Emerging Technologies and Innovative Research | Vol.8, Issue 8, page no. pp:e706-e709, (2022) | 2349-5162 | 2021 |
| 5 | Mahesh S Wavare, Dr. Suryakant M Jogdand ,Dr. Arunkumar R Patil | A Note on extended binary Schubert Code | OUR HERITAGE | Special Issue - 6, Volume-68 Page No. 72-77 | 0474-9030 | 2020 |

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| | | | | (2020) | | |
| 6 | M.S. Wavare, Dr S. M. Jogdand | $G_{2,4}$ as a projective System | Ajantha Prakashan | Volume –VIII Issue –I 87-90 | 2277- 5730. | 2019 |
| 7 | M S Wavare | Codes associated in Schubert Varieties in $G(2,5)$ over F_2 | New Trends in Mathematical Sciences | Volume: 7, Issue: 1 | 071- 078 | 2019 |
| 8 | Dr. Janardhan K. Mane, M S Wavare | A Comparative Analysis of Mathematical Linear Programming Problem | Aayushi International Interdisciplinary Research Journal, ISSN 2349-638x | Special Issue no 44 | 167- 173 | 2019 |
| 9 | Mahesh S Wavare, Dr J K Mane , Anil Thenge | A Study on the Greatest Eigen Value of Distance of the Wheel Graph | VRJFPS | Vol-1 Issue XII Page No.41- 48 | 2348- 7976 | 2019 |
| 10 | Mahesh S Wavare | A note on Linear codes associated to Schubert varieties | International Journal of Emerging Technologies and Innovative Research | Vol.5, Issue 11 | 528- 532 | 2018 |
| 11 | Mahesh S Wavare | Use of Maple software in cryptosystem | International Multilingual Research Journal | Special Issue Page No 162-172 | ISSN 2394- 5303 | 2018 |

13. Detail of patents.

| S.No | Patent Title | Name of Applicant(s) | Patent No | Award Date | Agency/Country | Status |
|------|--|--|-------------------------------|------------|----------------|-----------|
| 01 | Efficient image smoothing and parallel structure design using five directional partial derivatives | Dr. Rajesh Kanna M.R. Dr.Mahesh Wavare and Team | Application No.202241037470 A | 22/07/2022 | India | Published |
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14. Books/Reports/Chapters/General articles etc

| S.No | Title | Author's Name | Publisher | Year of Publication |
|------|---|---------------------|--|---------------------|
| 1 | Linear Codes Associated to Schubert Varieties | Dr. Mahesh S Wavare | Advent Academic Publishing ISBN:9788195513611 | 2022 |

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| 2 | Properties of Extended Binary Hamming [8, 4, 4] Code Using MATLAB | Darkunde N.S., Basude S.P., Wavare M.S | Springer | 2021 |
| 3 | Encoding Using the Binary Schubert Code [43, 7] Using MATLAB | Wavare M.S., Darkunde N.S., Basude S.P. | Springer | 2021 |
| 4 | On Some Properties of Extended Binary Golay [24, 12, 8] Code Using MATLAB | Darkunde N.S., Basude S.P., Wavare M.S. | Springer | 2021 |
| 5 | R software for Beginners | Mahesh S Wavare, Akash Waghmare | Shaurya Publication PVT LTD ,Latur 978-93-83672-59-2 | Dec 2018 |
| 6 | Challenges in implementing autonomy in higher education | K D Savant ,M.S. Wavare | Aruna Prakashan Latur | 2018 |
| 7 | A Study of Mathematics Curriculum in Academic Autonomy of RSML | M S Wavare | Present Scenario and Challenges of Autonomous Colleges ISBN 978-93-84810-29-0. | 2017 |
| 8 | Study of Calculus Using Mathematica Software | M S Wavare | Proceedings of State level Seminar Understanding Mathematics via Software ISBN 978-93-83401-43-6 | 2017 |
| 9 | Applications of Numerical Linear Algebra | S P Birajdar,O N Angulwar M S Wavare | Maitree Publication Latur | 2014 |
| 10 | Optimal Control Problem for A Parabolic System with Multiplicative Control | R B Sonawane D N Kandekar ,M S Wavare,V E Nikumbh | Maitree Publication Latur | 2014 |
| 11 | A Comment on Simple Support Functions | Kandekar D N,Sonawane R B ,Nikumbh V E ,Wavare M S | Maitree Publication Latur | 2014 |
| 12 | Newtons Forward Interpolation Using Matlab 7 | M S Wavare | Proceedings of National Conference on Recent Trends in Mathematics at R P Collge Osmanabad | 2014 |
| 13 | Vinod Suryawanshi, Mahesh Wavare Ravindra Savangouder | Modeling of Mechatronics | Proceedings of National Conference | 2004 |

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| | | System : A Bond Graph Approach | on Emerging Trends in Mechatronics | |
| 14 | Pravin Malik, Mahesh S Wavare | Analysis of Surface Drag for Dolphin | Proceedings of the National Conference on Emerging Trends in Mechanical Engineering at PCCE Verna Goa | 2004 |

15. Any other Information

Invited Talks/Resource Person :

- Invited talk on “**Numerical Analysis and OR using Matlab**” in UGC-State Level Workshop on Mathematical Software at Department Of Maths ,Shri Havagiswami College, Udgir Latur March 2012.
- Guest lecture on “**Career opportunities in Mathematics**” at M. M. Mahavidyalaya, Nilanga 26 Sept 2015.
- Resource person for three days STTP on **MATHEMATICA & MATLAB** in Scientific Research (27 to 29 July 2020) at St. Arul Anandar College Karumathur 625514 Dist Madurai.
- Resource person in STTP on **MATLAB for Scientific Research** during 1 to 5 Sept 2020 organized by Research Culture Society, India.
- Resource Person for “**IIT-JAM Awareness Workshop 2021-22**” organized by Shri Dnyaneshwar Maskuji Burugale Science and Arts College Shegaon Dist Buldana on 9 Dec 2021
- Resource Person for one day National workshop on “**Applied Mathematics and Career Opportunities**” Jointly organized by F C College, (Autonomous), Pune and S G R G Mahavidyalaya, Paranda Osmanabad on 22 December 2021.
- Resource Person for one day National workshop on “**Introduction to R Programming**” organized by Kai. Rasika Mahavidyalaya, Deoni ,Udgir Dist. Latur on 5 Feb 2022.

Research Projects:

One UGC-Minor research project completed (Rs. 2.00Lakh) entitled, “A Study of Schubert Varieties and linear code associated to Schubert Varieties”

College Administrative Responsibilities:

- Chief- Coordinator (Academic) at Rajarshi Shahu Mahavidyalaya, Latur
- RUSA 2019-20 Coordinator
- PG Coordinator (2017-2021)
- Ramanujan Competition of Mathematics Knowledge –Coordinator for Latur

- Madhava Mathematics Competition –Coordinator for Latur
- Students Association of Mathematics –Director
- Director Member Rajarshi Shahu college Employee’s coop credit Society limited Latur 2015-2022.
- AQAR-2019-20 Criteria VI Member
- Convener -National e-Workshop on Women Empowerment in STEM on 7 Jan 2021
- Convener of UGC Sponsored National Seminar on Advances in Computational Mathematics (23-24 Feb 2011)
- AQAR-2020-21 Criteria VI Chairman
- NCC Officer Boys ,Rajarshi Shahu Mahavidyalaya(Autonomous),Latur
- Member Secretary of Parent Teacher Association, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- Member of Research Allocation Committee, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- Member Secretary of Admission Committee, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- Member of Fee Fixation Committee, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- Chairman Timetable Committee, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- Member of Academic Calendar Committee, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- Member of Planning and Evaluation Committee, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- Member of Fee Fixation Committee, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- Member of Academic Audit Committee, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- Member of Training and Placement Committee, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.

Body Members (Institute)/Members of Other Institute

- BoS Chairman Mathematics, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- BoS Member Physics, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- BoS Member Computer Science, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- BoS Member Economics, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- BoS Member Mathematics, R P College, Osmanabad.
- Special Invitee BoS member in Mathematics, Dr. B A M U, Aurangabad.
- Academic Council Member, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
- Lifetime Member of Marathwada Mathematical Society, Aurangabad.
- Lifetime Member of Indian Mathematical Society, Delhi.
- Lifetime Professional Members of Institute of Scholars, Bengaluru .
- Organising committee member for “International e-Conference on Non-linear analysis and its Applications”(ICNAA-2020) organised by Dayanand Science College, Latur