

**Profile of
Dr Jaiprakash Dargad,
Principal,
Dayanand Science College, Latur,
Maharashtra, India**

**BEST COLLEGE
AWARD
OF SRTM
UNIVERSITY
(2014-15)**



Personal Education

| Sr.No. | Year | Degree/Certificate |
|--------|------|---|
| 1 | 2009 | PhD Topic: Some Studies on (CdMn)S Thin Films |
| 2 | 1998 | MPhil Topic: Synthesis, Preparation and characterisation of As ₂ S ₃ Thin Films |
| 3 | 1985 | MSc (Physics) University Merit Rank-III |
| 4 | 1983 | BSc First Class |
| 5 | 1980 | HSC (59.33%) |
| 6 | 1978 | SSC (64.10%) |

Academic

- ❖ **Research Interest: Thin Film Synthesis, Solar Cell Materials, Diluted Magnetic Semiconductors**

Academic Positions held:

- ❖ **March 2011 onwards: Principal, Dayanand Science College Latur, Maharashtra, India**
- ❖ **2006 – 2011: Associate professor, Dayanand Science College, Latur**
- ❖ **1985 – 2006: Assistant Professor, Dayanand Science College, Latur**
- ❖ **2000 and onwards PG recognized teacher in Physics by SRTMU, Nanded**
- ❖ **Total experience of teaching & Research at B.Sc., MSc, and Ph.D. level- 30 (thirty) years**

Administrative Positions Held

- ❖ **2011 and onwards Principal, Dayanand Science College, Latur, Maharashtra India.**
- ❖ **2006 – 11 Vice Principal, Dayanand Science College, Latur, Maharashtra**
- ❖ **2006 – 11 HOD, Dept of Electronics, Dayanand Science College, Latur**
- ❖ **Acting as a Chairman of A zone Sport council from 2012 and onward, SRTMU, Nanded**
- ❖ **UGC Career Oriented Programme course Co-ordinator**

i) Electronic Equipment Maintenance certificate course (2009-14)

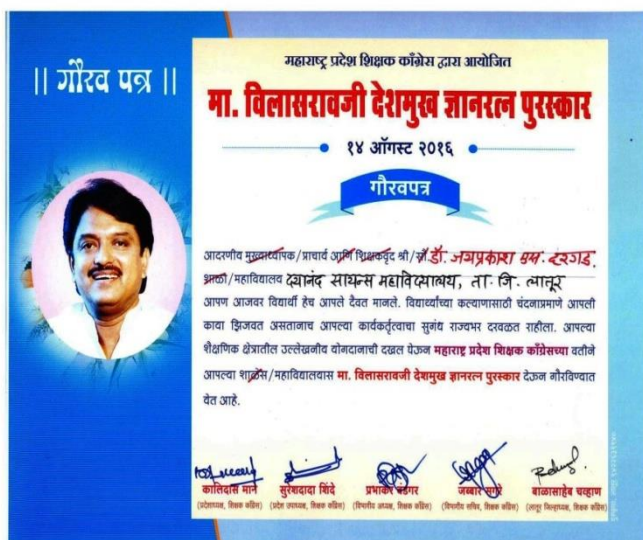
ii) Computer Hardware Networking certificate course (2011-16)

- ❖ **Worked as NAAC Co-ordinator 2008 – 11**
- ❖ **NSS Co-ordinator (1999-2005)**
- ❖ **Worked as Chairman of Stock Verification Committee in Dayanand Education Society, Latur since 2007-2011.**
- ❖ **SRTMU, Nanded BOS member in the subject of Electronics 2006- till date**
- ❖ **SRTMU, Nanded Science Faculty member 2011- till date**
- ❖ **2010- and onwards Coordinator of National Ambient Air Quality Program (MPCB) project**

Major Academic Awards and Distinctions of J S Dargad

- ❖ Eminent Educationalist Award by NIC'S Who's Who National/International Compedium, New Delhi (2012)
- ❖ "Vilasaraewji Deshmukh Dyanratan Puraskar" by Maharashtra Pradesh Shikshak Congress (14 Aug, 2016)
- ❖ Mahatama Jyotiba Fule Shikshak Parishad, Maharashtra State 'Shikshak Ratan Award" (2016)
- ❖ Best Principal Award, SRTMU, Nanded 2016
- ❖ Best paper presentation Award in National conference on Physics of Semiconductor Devices & Smart Materials (NC – PS DSM – 07) organized by Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai. 22 – 23, 2007.
- ❖ Best D'CAP officers award from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 27th April, 1997

Remark of the NAAC peer team as "Dynamic



Academic and Others

Member of & Reviewer

- ❖ Life Member of Kalopasak Mandal, Latur
- ❖ Life Member of Indian Association of Physics Teacher
- ❖ Life Member of Indian Science Congress.
- ❖ Life Member of Latur Vigyan Kendra, Latur
- ❖ Member of Raja Narayanlal Lahoti English Mediam school, Latur
- ❖ Reviewer of International "Journal of Advances in Physics, Dr. Gurdev Singh, Director, Ardas inc. Manteca, CA, United States
- ❖ Reviewer of International "JOURNAL OF ELECTRONIC MATERIALS" mohanraj.adhiarul@springer.com, Chennai

- ❖ Acted as Reviewer of 2015 Spring World Congress on Engineering and Technology (SCET 2015), Suzhou, China
- ❖ Chief Editor of International Journal of “Universal Science & Technology”
- ❖ Fellowship Award
- ❖ University Grants Commission, Govt.of India New Delhi, awarded two years research fellowship under in VIth plan period for completion of M.Phil. in Physics. (June 1995 to May 1996)
- ❖ University Grants Commission, Govt.of India New Delhi, awarded two years research fellowship under in IXth plan period for completion of Ph.D in Physics.
- ❖ Attended and Presented paper, acted as a Chairperson Conference session Aboard
International Conference on Aerospace, Mechanical, Automotive and Materials Engineering, Zurich, Switzerland , WASET, Jan 14-15, 2013.

Subject Expert (7)

- ❖ Worked as a subject expert at Sharada Mahavidyalaya, Parbhani of University Selection Committee for the appointment of Lecturer in Physics.
- ❖ Worked as a subject expert at Pratibha Niketan Mahavidyalaya, Nanded of University Selection Committee for the appointment of Lecturer in Physics.
- ❖ Worked as a subject expert for the selection of project fellow in Physics under UGC sanctioned major project at Rajashri Shahu Mahavidyalaya, Latur.
- ❖ Worked as a subject expert for the selection of Sr. Lecturer in Photonics of University Selection Committee at Rajarshi Shahu Mahavidyalaya, Latur on 28/05/2007.
- ❖ Worked as a Subject Expert for the selection of Principal of Shankarrao Chavan Mahavidyalaya, Ardhapur, Dist Nanded on 13 -07 – 2014
- ❖ Worked as a subject expert for the selection of Assistant Prof of University Selection Committee at Mayur Bahuedishiya Sewabhawi Sawantha, Nanded on 22/01/2013.
- ❖ Worked as a subject expert for the selection of Assistant Prof of University Selection Committee at Nagnath Arts, Commerce, Science College, Aundha (Naganath) on 07/11/2014

Invited in India/Abroad

- ❖ Invited for oral presentation for my research paper entitled “Cd_{1-x}Mn_xS Dilute Magnetic Semiconductor: Studies On Photoelectrochemical Solar Cell”, in Int. Conf. on Meterological Coat. & Thin Films, San Diago, USA, 28 April-6 May, 2008.
- ❖ Invited for oral presentation for my research paper entitled “Synthesis and Optoelectrical Studies on Cd_{1-x}Mn_xS Dilute Magnetic Semiconductor Thin Films, in the 5th Inte. Conf. on Technical Advances of Thin films & surface coatings, Harbin, China, 11 – 14 July, 2010.

- ❖ Invited for poster presentation for my research paper entitled “Synthesis and Some Physical Studies on CdMnS Diluted Magnetic Semiconductor Thin Films” ODF 4046, in the 5th Inte. Conf. on Technical Advances of Thin films & surface coatings, Harbin, China, 11 – 14 July, 2010.
- ❖ Invited for oral presentation for my research paper entitled “Preparation, Synthesis Techniques And Some Studies on CdMnS Diluted Magnetic Semiconductor Thin Films” in Int. Conf. on Material Science and Engineering, Amsterdam, The Netherlands, 28 – 30 Sept, 2010.
- ❖ Invited for oral presentation for my research paper entitled “Synthesis and Optical, electrical Studies on Cd_{1-x}Mn_xS Diluted Magnetic Semiconductor Thin Films”, Paper ID: 028 in 2010 Inter. Conf. on Optical, Electronic and Electrical Materials, Kuming, China, Aug 1-4, 2010.
- ❖ "CdMnS Dms Thin Film Synthesis, Characterization and application in Photoelectrochemical Cell" procd, International Conference on Aerospace, Mechanical, Automotive and Materials Engineering, Zurich, Switzerland Jan 14-15, 2013.
- ❖ CdMnS Thin Film Synthesis using CBD: Application in Photoelectrochemical Cell, J.S. Dargad, N.S. Korde, Procd. Symposium 3: 9th International Symposium on Solid Oxide Fuel Cell (SOFC) Materials, Science & Technology, January 25, 2012, USA

Invited India/Abroad (15)

- ❖ CdMnS Thin Film Synthesis using CBD: Application in Photoelectrochemical Cell, J. S. Dargad, Procd., Symposium 3:9th Inter. Sympo. On Solid Oxide Fuel Cells: Materials, Science & Technology, The American Ceramic Soc., Conf., 22-24 Jan, 2012 Hilton, Daytona Beach, Florida, USA.
- ❖ Cd_{1-x}Mn_xS DMS Thin Films Fabrication by CBD: Investigations on Structural and Electrical Properties, J.S. Dargad, Int. Conf. of Younge Researchers on Advanced Materials, 1-6 July, 2012, Singapore.
- ❖ CdMnSe DMS Nanostructured Thin Films Synthesis and Application in Photoelectrochemical Cell, Procd., Material Science & Technology, 27-31, Oct., 2013, Montreal, QC.
- ❖ “SYNTHESIS, STRUCTURAL, AND TRANSPORT PROPERTIES OF CHEMICALLY DEPOSITED CdMnS THIN FILMS” Science & Applications of Thin Films Conference & Exhibition September 19 – 23, 2016, Cesme-Izmir, Turkey
- ❖ paper code 16DK06000089 entitled Cd_{1-x}Mn_xSe Thin Films Preparation by Cbd: Aspect on Optical and Electrical Properties (WASET, ICTFTA 2016: 18th International Conference on Thin Film Technology and Applications, Copenhagen, Denmark, June 27-28, 2016
- ❖ Invited talk for National Workshop on “Advancement of Nano Materials & Its Applications” sponsored by UGC scheduled on February 09-11, 2012, DAV College, Kanpur.
- ❖ Recently, he has invited to deliver invited talk as a speaker in “BIT's 5th Annual World Congress of Advanced Materials-2016 (WCAM-2016), held in Chongqing International Convention and Exhibition Centre, Chongqing, China during June 6-8, 2016”
- ❖ Invited for telecasting Interview on the theme “Shikshanachya Vata” by Saam Marathi TV in the month of Sept, 2016.

Sponsorship for Abroad Presentation (5)

U.G.C. Govt of India New Delhi sanctioned 100% financial support to attend Conference in

- ❖ For Int. Conf. on Meterological Coat. & Thin Films, San Diego, USA, 28 April-6 May, 2008.
- ❖ For the 5th Inte. Conf. on Technical Advances of Thin films & surface coatings, Harbin, China, 11 – 14 July, 2010.
- ❖ For Int. Conf. on Material Science and Engineering, Amsterdam, The Netherlands, 28 – 30 Sept, 2010.
- ❖ For Symposium 3: 9th Inter. Sympo. On Solid Oxide Fuel Cells: Materials, Science & Technology, The American Ceramic Soc., Conf., 22-24 Jan, 2012 Hilton, Daytona Beach, Florida, USA.
- ❖ Cd_{1-x}Mn_xS DMS Thin Films Fabrication by CBD: Investigations on Structural and Electrical Properties, J.S. Dargad, Int. Conf. of Younge Researchers on Advanced Materials, 1-6 July, 2012, Singapore.

Published Papers in Journals (14)

| Sr No | Title with page No | Journal | ISSN/ISBN No | Whether peer reviewed. Impact Factor, if any | No. of coauthors | Whether you are the main author | API Score |
|-------|---|---|-----------------------------------|--|------------------|---------------------------------|----------------|
| 1 | A new method for the deposition of As ₂ S ₃ thin films | Indian Journal of Pure & Applied Physics Indexed | 0975-1041 | Yes peer reviewed Impact factor 0.76 | 2 | second | 8 (out of 20) |
| 2 | Electrical transport properties of chemically prepared CuBiS ₂ thin films | Indian Journal of Pure & Applied Physics Indexed | 0975-1041 | Yes peer reviewed Impact Factor 0.76 | 3 | Third | 4 (Out of 20) |
| 3 | Mercury-Cadmium-Selenide thin film layers: structural, microscopic, and spectral response studies | Mat.Chem.and Phys Indexed | 0254-0584 | Yes peer reviewed Impact Factor 2.59 | 3 | Fourth | 7 (out of 35) |
| 4 | Cd _{1-x} Mn _x S Dilute Magnetic Semiconductor: Application in Photoelectrochemical Cells | Turk. J. Phys., Indexed | ISSN: 1300-0101 E-ISSN: 1303-6122 | Yes peer reviewed Impact Factor 2.92 | 1 | First | 21 (out of 35) |
| 5 | Efficient Ultrasound Synthesis and Biological Screening of Metal Complexes of 1-(2-Hydroxyphenyl)-3-(4-Ethoxyphenyl) Propane-1, 3-Dione | International Journal of Green and Herbal Chemistry Indexed | E-ISSN: 2278-3229 | Yes peer reviewed Impact Factor 1.83 | 3 | Third | 6 (Out of 30) |

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|---|--|--|---|--|---|--------|----------------|
| 6 | Effect of Mn Doping Concentration on Structural, Morphological and Optical Studies of ZnO Nano-Particles | Journal of Nanoscience and Nanoengineering Indexed | ISSN: 2331-9747 (Print) ISSN: 2331-9755 (Online) | Yes peer reviewed Impact Factor 1.6 | 3 | Second | 12 (out of 30) |
| 7 | Effect of doping on structural, physical, morphological and optical properties of Zn _{1-x} Mn _x O nano-particles | CERAMICS INTERNATIONAL Impact Factor 2.6 | ISSN0272-8842 | Yes | 3 | second | 14 (Out of 35) |
| 8 | Effect of Surfactance on crystallographic and Optical Properties of ZnO Nanoparticals , | Asian J Of Chem, Vol 28, No 12, (2016), 2778-2780 | | Yes | 2 | second | 14 (out of 35) |

Published papers

| Sr No | Title with page No | Journal | ISSN/ISBN No | Whether peer reviewed. Impact Factor, if any | No. of coauthors | Whether you are the main author | API Score |
|-------|---|---|--|--|------------------|---------------------------------|-----------|
| 9 | Preparation of Cd _{1-x} Mn _x Se DMS Thin Films by CBD: Studies on Optical and Electrical Properties | International Journal of Applied Research | P-ISSN No: 2394-7500 E-ISSN No: 2394-5869 CODEN Number: IJARPF | Yes Indexed peer reviewed Impact Factor 5.2 | 1 | Single | 45 |
| 10 | CdMnS DMS thin films: Synthesis, Structural and Transport Characteristics | International Journal of Applied Research | P-ISSN No: 2394-7500 E-ISSN No: 2394-5869 CODEN No: IJARPF | Yes Indexed peer reviewed Impact Factor 5.2 | 1 | Single | 45 |
| 11 | उत्कर्षासाठी शिक्षणाचा वाटा | International multilingual Research Journal Issue-09, Vol -01, Sept. 2015 | ISSN 2394-5303 | Indexed peer reviewed | 1 | Single | 20 |
| 12 | USE OF MODERN TECHNOLOGY IN HIGHER EDUCATION | International multilingual Research Journal Vidyawarta Issue-11, Vol-4, July to Sept 2015 | MAHA/MUL/ISSN-2319 9318 | Indexed peer reviewed | 1 | Single | 20 |

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|----|--|--|---------------------------------------|-----------------------|---|--------|----|
| 13 | विज्ञान संशोधन क्षेत्रामध्ये भारताचे जागतीक स्थान?? | | | Indexed peer reviewed | 1 | Single | 20 |
| 14 | CdMnS Thin Films Synthesis, Characterization, And Application In Photoelectrochemical Cell | World Academy of Science Engineering And Technology, Issue 73, Jan 2013, Zurich, Switzerland | pISSN2010 – 376X eISSN 2010 - 3778 | Indexed Peer reviewed | 1 | Single | 20 |

Full Papers in Conference/Seminars Proceedings (42)

| Sr No | Title with page nos | Details of Conference Publications | No of Co-authors | Whethe main author | API Score |
|-------|--|--|------------------|--------------------|-----------------|
| 1 | Preparation and Properties of CdMnS Semimagnetic Semiconductor Thin Films | Proc.Nat.Conf. On Physics Of Semiconductor Devices & Smart Materials Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai, M.S. India, 22-23, Dec., 2007. | - | First | 7.5 |
| 2 | Characterization and applications of Mn _x Cd _{1-x} S Thin Films | Proc. Nat. Conf. On Physics Of Semiconductor Devices & Smart Materials Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai, M.S. India, 22-23, Dec., 2007. | - | First | 7.5 |
| 3 | The Fabrication Details and Physical Studies of CdMnS Dilute Magnetic Semiconductor Thin Layers | Proc. National Seminar on Science and Technology of Thin Films, (NSSTTF-2004), RSM, Latur, MS, India, 16-17 Oct, 2004 | - | First | 7.5 |
| 4 | Electrochemical Radiation Detector With Hg _x Cd _{1-x} Se Thin Film Photoelectrodes: Effect of Technical Parameters | Proc. National Seminar on Science and Technology of Thin Films, (NSSTTF-2004), RSM, Latur, MS, India, 16-17 Oct, 2004 | 3 | second | 4 (Out of 10) |
| 5 | Studies on Nanocrystalline (Cd, Hg) Te Detector Thin Films | Proc. National Seminar on Science and Technology of Thin Films, (NSSTTF-2004), RSM, Latur, MS, India, 16-17 Oct, 2004 | 3 | Third | 2.5 (out of 10) |
| 6 | Chemical Deposition Of As ₂ S ₃ Thin Layers | Proc. of Nati. Conf. On Thin Film Processing and Applications, S. V. University, Tirupati, A.P. India, 23-24 Jan, 1995 | - | First | 7.5 |

Full Papers in Conference Proceedings

| Sr No | Title with page nos | Details of Conference Publications | No of Co-authors | Whethe main author | API Score |
|-------|--|---|------------------|--------------------|------------------|
| 7 | An Electrochemical Characterization Of Sb_2S_3 : Ag / Electrolyte Interface | Proc. of Nati. Conf. On Thin Film Processing and Applications, S. V. University, Tirupati, A.P. India, 23-24 Jan, 1995 | - | First | 7.5 |
| 8 | A Study Of Chemical Deposition Of $Cd_{1-x}Zn_xS$ Mixed Thin Film Layers | Proc. of Nati. Conf. On Thin Film Processing and Applications, S. V. University, Tirupati, A.P. India, 23-24 Jan, 1995 | - | First | 7.5 |
| 9 | Electrical Conduction In Chemically Synthesized $Hg_xCd_{1-x}S$ Thin Films | Procd., Nat. Conf. on Recent Trends in Thin Film Tehnology (RTTFT-08), 14-15, Nov., 2008, Walchand College of Arts & Science, Solapur, MS, India. | 3 | second | 3 (Out of 7.5) |
| 10 | Determination of Composition and Structure of the CdMnS Nano Composite Films | Procd., Nat. Conf. on Recent Trends in Thin Film Tehnology (RTTFT-08), 14-15, Nov., 2008, Walchand College of Arts & Science, Solapur, MS, India. | 2 | First | 4.5 (out of 7.5) |
| 11 | "CdMnS thin films : determination of structure and correlation with transport characteristics" | Procd 2011 National Conference on Advancement of Nano materials and its Applications, D-A-V. College, Kanpur (U. P.), India, 15-16 feb, 2011 | - | Single | 7.5 |
| 12 | Synthesis and some studies on CdMnS DMS thin films | Procd, 2005 National seminar on material processing and characterization techniques NS- MPCT – 2005, Dept of Phy, Shivaji University, Kolhapur, March 28 – 29, 2005 | - | Single | 7.5 |

Full Papers in Conference Proceedings

| Sr. No. | Title with page nos | Details of Conference Publications | No of Co-authors | Whethe main author | API Score |
|---------|---|--|------------------|--------------------|-----------|
| 13 | CdMnS Dms Thin Film Synthesis, Characterization and pplication in Photoelectrochemical Cell | procd, International Conference on Aerospace, Mechanical, Automotive and Materials Engineering, Zurich, Switzerland Jan 14-15, 2013. | - | Single | 10 |
| 14 | Preparation of $Cd_{1-x}Mn_xS$ DMS thin films by Chemical Bath Deposition: Investigations on Structural and Electrical Properties | International Conference on Advanced Materials, 5-7 Jan., 2012, Loyola College, Chennai, India. | - | Single | 10 |
| 15 | $Cd_{1-x}Mn_xS$ Dilute Magnetic semiconductor: Application in Photoelectrochemical Cells | 97 th Indian Science Congress, 2010, Ahamadabad International | 1 | First | 6 |

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|----|--|---|---|--------|-----|
| 16 | Preparation And properties of CdMnSe Thin films | National seminar on New Materials Research and Nanotechnology, Govt College, Udhagamandalam, TN, 12-14 Sept, 2012 | - | Single | 7.5 |
| 17 | Photovoltaic Properties of n-Cd _{1-x} Mn _x Se thin films photoelectrodes | International Conference on Electrochemical Power System, Hyderabad, 20-21 Decm, 2004 | - | Single | 10 |
| 18 | Photoelectrochemical Studies of chemically deposited CMT thin films | International Conference on Electrochemical Power System, Hyderabad, 20-21 Dec, 2004 | - | Single | 10 |

Full Papers in Conference Proceedings

| Sr. No. | Title with page nos | Details of Conference Publications | No of Co-authors | Whethe main author | API Score |
|---------|---|---|------------------|--------------------|-----------|
| 19 | ICT Education through PPT presentation | National Symposium on Impact of Information Technology on Physics Education XX Annual Convention of Indian association of Physics Teachers, Bhubaneshwar | - | Single | 7.5 |
| 20 | Physics Education Through Hands On Experiments | 5 th Annual National convention, Indian Association of Physics Teachers, B M A College, Ambala Cantt, India, 23-25 Dec, 1990 | - | Single | 7.5 |
| 21 | Preparation And Characterization of Thin Films by CBD Method | National Conference on Developments in Electronic materials & Their Applications, Shivaji University, Kolhapur 6-8 March, 1995 | - | Single | 7.5 |
| 22 | Environmental Pollution and Waste: Air, Water, and Land Media | UGC Sponsored National Seminar on Role of Life Forms in Controlling Pollution, Dayanand Science College, Latur, MS, India, 8-9 Aug, 2014 | - | Single | 7.5 |
| 23 | ICT In Promoting Higher Education | UGC Sponsored National Seminar on Impact of IT on Formal education: A Retrospective Approach, Dayanand Science College, Latur, MS, India 19 Feb, 2011 | - | Single | 7.5 |
| 24 | Biodiversity Global Approach | Two Days National Conference On 'Challenges To Biodiversity Conservation' 5-6 Feb, 2011, Dayanand Science College, Latur, MS, India | - | Single | 7.5 |

Full Papers in Conference Proceedings

| Sr. No. | Title with page nos | Details of Conference Publications | No of Co-authors | Whethe main author | API Score |
|---------|--|---|------------------|--------------------|---------------------|
| 25 | Efficient Ultrasound Synthesis And Antimicrobial Screening Of Transition Metal Complexes Of Potentially Active Ligands | Proc National Seminar on Emerging Trends and Challenges in Chemical Sciences, 23-24 Jan, 2015 Arts, Commerce And Science College, Kille- Dharur, Dist Beed, MS, India | 3 | Fourth | 2.5 (Out of 7.5) |
| 26 | Synthesis And some Physical Studies on CdMnS Diluted Magnetic Semiconductor Thin Films | Proc. Proc. The 5 th International Conference on Technological Advances Of Thin Films & Surface Coatings THIN FILMS – 2010, 11-14 July. Harbin , Chaina | - | Single | 10 |
| 27 | Uses Of Mathematical Sciences to Promote Higher Education | Proc State level Seminar on Recent Advances in Applied Mathematics , Dayanand science College, Latur, MS, India, Feb 24-25, 2012 | - | Single | 5 |
| 28 | CdMnS Thin Films Synthesis Using CBD: Application In Photoelectrochemical Cells | Proc. S3: 9th International Symposium on Solid Oxide Fuel Cells: Materials, Science, and Technology, The 36th International Conference and Exposition on Advanced Ceramics and Composites is January 22-27, 2012 in Daytona Beach, Florida. | - | Single | 10 |
| 29 | Material Synthesis of Cd _{1-x} Mn _x Se Thin Films by CBD And Studies on Optical, Electrical Properties | | | | |
| 30 | Session 1110: Advanced Semiconductors and Advanced Micro electronic Materials Processing. | Proc. BIT's 1 st Annual World Congress of Smart Materials – March 23-25, 2015, Busan, Republic of Korea | - | Single | 10 |

Full Papers in Conference Proceedings

| Sr. No. | Title with page nos | Details of Conference Publications | No of Co-authors | Whethe main author | API Score |
|---------|---|--|------------------|--------------------|-----------|
| 31 | Preparation, Synthesis Techniques and some Studies on CdMnS Diluted Magnetic Semiconductor Thin Films | Proc. World Academy of Science, Engineering And Technology International Conference on Material Science and Engineering, Netherland 28-30 Sept, 2010 | - | Single | 10 |

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|----|--|---|-----|--------|---------------------|
| 32 | ODF, Paper ID: 4069 - "Synthesis and ptoelectrical Studies on Cd _{1-x} Mn _x S Diluted Magnetic Semiconductor Thin Films" | Proc. The 5th International Conference on Technological Advances of Thin Films & Surface Coatings (ThinFilms 2010) and The 1st international Conference on Advanced polymer and polymer composites (COMPO2010), | 1 | First | 6 (Out of10) |
| 33 | Cd _{1-x} Mn _x S DMS Thin Films Fabrication by CBD: Investigations on Structural and Electrical properties | Proc ICYRAM International Conference on Advanced Materials, MRS, Singapore, 1-6 July, 2012 | - 1 | Single | 10 |
| 34 | Preparation, synthesis techniques and studies on CdMnS Diluted Magnetic Semiconductor Thin Films | Proc. International Symposium on Surface and Interface of Advanced Thin Films 16-17 September 2010, Kraków, Poland | - 1 | First | 6 (out of 10) |
| 35 | Preparation of CdMnS Thin Films, Applications in Photoelectrochemical Cell | Proc International Conference on Material Science, 14-16 Feb, 2013, Dept of Phy, Tripura University, Suryamaninagar, Tripura, India | - | Single | 10 |
| 36 | "Cd _{1-x} Mn _x Se Thin Film Synthesis By Solution Growth Process: Studies On Optical And Electrical Properties" | Proc International Conference On Nanomaterials & NanoTechnology Centre For Nanoscience and Technology K.S.Rangasamy College of Technology, Tiruchengode, Tamil Nadu, India In Association World Class University (WCU), GIST, South Korea | - - | Single | 10 |

Full Papers in Conference Proceedings

| Sr. No. | Title with page nos | Details of Conference Publications | No of Co-authors | Whethe main author | API Score |
|---------|--|--|------------------|--------------------|-----------|
| 37 | Preparation of Cd _{1-x} Mn _x Se Thin Films by CBD: Studies on Optical and Electrical Properties | Proc International Conference On Renewable Energy And sustainable Environment , Dr Mahalingam College of Engineering And Technology, Pollachi, TN, India August 10-13, 2015 | - | Single | 10 |
| 38 | Cd _{1-x} Mn _x S Nanocrystalline Thin film Preparation and Studies On Structural and electrical Properties | International Conference on MACRO- ANDSUPRAMOLECULAR ARCHITECTURES AND MATERIALS (MAM-12): Nano Systems and Applications during 21-25, November 2012, Coimbatore, TN, India | - | Single | 10 |
| 39 | Preparation, Synthesis Techniques and Some Properties of CdMnS Diluted Magnetic semiconductor Thin Films | 38 th International conference on Metallurgical Coatings and Thin Films, San Diego, California, USA, 2 –6 May 2011 | - | Single | 10 |

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| 40 | Cd _{1-x} Mn _x S Dilute Magnetic Semiconductor: Application in Photoelectrochemical Cells | Proc International Conference on Metallurgical Coatings and Thin Films, San Diego, California, USA, April 28 – 02 May 2010 | - | Single | 10 |
| 41 | Preparation of CdMnS Thin Film: Applications in Photo electro- chemical Cell | Proc International Conference on Metallurgical Coatings and Thin Films, San Diego, California, USA, 29 april-3 May, 2013 | - | Single | 10 |
| 42 | Synthesis and Optical, electrical Studies on on Cd _{1-x} Mn _x S Diluted Magnetic Semiconductor Thin Films | Paper ID: 028 in 2010 Inter. Conf. on Optical, Electronic and Electrical Materials, Kuming, China, Aug 1-4, 2010 | - | Single | 10 |

Books Published or as editor

| Sr. No. | Title | Type of book and authorship | Publisher & ISSN/ISBN No | Whether Peer Reviewed | No Of Co-Authors | Wheth Main Author | API Score |
|---------|---|-------------------------------|--|-----------------------|------------------|-------------------|-----------|
| 1 | Role of Life Forms in Controlling Pollution | Proceeding & Abstract Book | National Aruna Prakashan, Latur ISBN 978-93-83389-79-7 | Yes | 3 | Yes | 30 |
| 2 | International Journal of Universal Science & Technology | Research Journal Chief Editor | Universal Print ISSN: 2454-7263 | Yes | - | Yes | 50 |

Ongoing and Completed Research Projects and Consultancies

| Sr No | Title | Agency | Period | Grant/Amount Mobilized Rs in Lacks | Whether policy document/ patent out come | API Score |
|-------|--|-------------|----------------------|------------------------------------|---|-----------|
| 1 | Some Studies on (CdMn)S Diluted Magnetic Semiconductor Thin Films | UGC (Miner) | 2008 to 2010 | 0.73 Lacks | Project Report submitted to UGC | 10 |
| 2 | And Studies On CdMnSe Thin Films: Application in Photoelectrochemical Cell | UGC (Major) | Feb 2011 To Jan 2014 | 10.368 Lacks | Project Report submitted to UGC | 20 |
| 3 | NAAQMS Working as project coordinator | MPCB Mumbai | Oct 2010 | 52 Lacks | Data analyzed submitted to MPCB, MPCB gives directions to local municipal corporation | 40 |

Research Guidance

Recognized Research Guide in the Subject of Physics by SRTMU, Nanded

| Sr. No. | Name of the research student | PhD/MPhil | Title of research work |
|---------|------------------------------|---------------|--|
| 1 | Kailash Shinde (JRF) | PhD (2014-15) | Some studies on CdMnSe DMS Thin Films |
| 2 | Bogade Sunil | PhD (2016-17) | Processing, Synthesis and Characterization of CdMnS Thin Films |

Resource Person and Chairmanships at national or international conference/seminar (24)

| Sr. No. | Title of Lecture/Academic Session | Title of Conference / Seminar, etc. | Date(s) | Organized by | International / National | API Score |
|---------|---|---|-----------------|--|--------------------------|-----------|
| 1 | Resource Person A Scientific Approach to Crises And Remedial Solutions | State Level Workshop on A Scientific Approach to Crises And Remedial Solutions | 5-6, Dec, 2009 | Dayanand science College Latur Maharashtra | State | 5 |
| 2 | Chairman Impact of IT on Formal Education | Impact of IT on Formal Education A Retrospective Approach | 9 Feb, 2011 | Dayanand Science College, Latur Maharashtra | National | 5 |
| 3 | Resource Person New Trends in UGC Curriculum in Physics | Workshop on New Trends in UGC Curriculum for UG Courses in Physics | 11 July, 2004 | Shri Sant Gadage Maharaj Arts, Science & Commerce College, Loha, Dist Nanded | National | 5 |
| 4 | Resource Person Resource Person Phtoelectrochemical Solar Cell | Seminar on Emerging Trends In Non-Conventional & Renewable Energy | 8-9 Oct, 1999 | Rajashri Shahu Mahavidyalaya , Latur, Maharashtra | State | 5 |
| 5 | International Conference, Chairperson Of Technical Session | International Conference on Aerospace, Mechanical, Automotive And Material Engineering | 14-15 Jan, 2013 | World Academy of Science, Engineering And Technology Zurich, Switzerland | International | 5 |
| 6 | Chairperson Of Technical Session Use Of ICT In Higher Education | UGC Sponsored National Seminar on Impact of IT on Formal education: A Retrospective Approach, | 19 Feb, 2011 | Dayanand Science College, Latur, MS, India | National | 5 |
| 7 | Chairperson Of Technical Session Global Warming | UGC Sponsored National Seminar on Role of Life Forms In Controlling Pollution | 8-9 Aug, 2014 | Dayanand Science College, Latur, MS, India | National | 5 |

Invited Lectures and Chairmanships at national or international conference/seminar

| Sr. No. | Title of Lecture/Academic Session | Title of Conference / Seminar, etc. | Date(s) | Organized by | International / National |
|---------|--|--|-----------------------|--|--------------------------|
| 8 | Resource Person Environmental Sustainability Educational Resources | UGC Sponsored National Seminar on Role of Life Forms In Controlling Pollution | 8-9 Aug, 2014 | Dayanand Science College, Latur, MS, India | National |
| 9 | Resource Person Mathematical Methods In Physics | Indian Academy Of Sciences, Bangalore Sponsored Motivational Bridge Course in Mathematical Methods and laboratory Practices | 15 June- 9 July, 2011 | IAPT RC- 08 and Deogiri college, Aurangabad, MS, INDIA | National |
| 10 | Chairperson Technical Session National Conference | National conference on Advancement of Nano Materials and its applications, DAV College, Kanpur, India | Feb 15-16, 2011 | DAV College, Kanpur, UP, India | National |
| 11 | Resource Person Uses of ICT in Higher Education | One Week Interdisciplinary Short-Term Course on "Uses of Modern Technologies in Higher Education" | 24-29 March, 2015 | SRTMU, Nanded & Dayanand science College, Latur, MS, India | National |
| 12 | Chairperson National Conference | Two Days National Conference On 'Challenges To Biodiversity Conservation' | 5-6 Feb, 2011 | Dayanand Science College, Latur, MS, India | National |
| 13 | Resource Person/Mentor | Inspire Internship Science Camp, DST Govt. of India | 01 – 04 Nov 2010 | DST & Dayanand Science College, Latur, MS, India | National |
| 14 | Resource Person/Mentor | Inspire Internship Science Camp, DST Govt. of India | 01 – 04 Jun 2011 | DST & Dayanand Science College, Latur, MS, India | National |

Invited Lectures and Chairmanships at national or international conference/seminar

| Sr. No. | Title of Lecture/Academic Session | Title of Conference / Seminar, etc. | Date(s) | Organized by | International / National |
|---------|-----------------------------------|---|------------------|--|--------------------------|
| 15 | Resource Person/Mentor | Inspire Internship Science Camp, DST Govt. of India | 01 – 04 Dec 2011 | DST & Dayanand Science College, Latur, MS, India | National |
| 16 | Resource Person/Mentor | Inspire Internship Science Camp, DST Govt. of India | 10 – 14 Mar 2012 | DST & Dayanand Science College, Latur, MS, India | National |
| 17 | Resource Person/Mentor | Inspire Internship Science Camp, DST Govt. of India | 21 – 25 Jun 2012 | DST & Dayanand Science College, Latur, MS, India | National |
| 18 | Resource Person/Mentor | Inspire Internship Science Camp, DST Govt. of India | 19 – 23 Nov 2012 | DST & Dayanand Science College, Latur, MS, India | National |
| 19 | Resource Person/Mentor | Inspire Internship Science Camp, DST Govt. of India | 06 – 11 Nov 2013 | DST & Dayanand Science College, Latur, MS, India | National |
| 20 | Resource Person/Mentor | Inspire Internship Science Camp, DST Govt. of India | 18-20 June 2014 | DST & Dayanand Science College, Latur, MS, India | National |
| 21 | Resource Person/Mentor | Inspire Internship Science Camp, DST Govt. of India | 27-31 Oct 2014 | DST & Dayanand Science College, Latur, MS, India | National |
| 22 | Resource Person/Mentor | Inspire Internship Science Camp, DST Govt. of India | 24-28 Feb 2015 | DST & Dayanand Science College, Latur, MS, India | National |
| 23 | Resource Person/Mentor | Inspire Internship Science Camp, DST Govt. of India | 18-22 Sept 2015 | DST & Dayanand Science College, Latur, MS, India | National |
| 24 | Resource Person/Mentor | Inspire Internship Science Camp, DST Govt. of India | 02-06 June 2015 | DST & Dayanand Science College, Latur, MS, India | National |

Conferences/ Seminar / Workshop Attended (29)

1. National conference on Developments in Electronics materials and their applications, March 6 to 8, 1995 Dept. of Physics, Shivaji University, Kolhapur.
2. National conference on thin film processing and applications, Jan 23 – 24, 1995. Dept. of Physics, Sri Venkateshwara University, Tirupati.
3. 5th Annual National Convention, Indian Association of Physics Teachers held at M.A. College, Ambala cantt, 23 – 25 Dec. 1990.
4. A short term course/workshop on microwaves organized by Dept. of Physics, Shivaji Mahavidyalaya, Udgir during 22nd to 24th feb. 1996.
5. Mini workshop on microprocessor Interfacing And applications, Jalna Education Society's JES College, Jalna during 19th – 23rd March, 1993.
6. An Intensive workshop on microwaves organized by the Institute of Electronics and Telecommunication Engineers (IETE), Aurangabad Sub-centre, On 15th Jan, 1990.

Conferences/ Seminar / Workshop Attended

7. Attended National conference on “Emerging Trends and Advances in Microwave measurements and Techniques”, Physics dept. Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during 2 – 3 March, 2001.
8. UGC – Sponsored two days State Level Seminar on “Emerging Trends in Non-conventional & Renewable Energy” Conducted at Rajarshi Shahu Mahavidyalaya, Latur during 8th & 9th Oct, 1999.
9. JES – IUCAA workshop on Photometric Data Reduction And Analysis organized by JES College Jalna during 14 – 18 Jan, 2002.
10. National workshop on fiber optics and its Applications organized by International School of Photonics, Cohin University of Science and Technology, Cohin, during 27 – 28 Feb, 2002.
11. GC – sponsored State Level Conference on Curriculum Development in Physics Organized by Rajarshi Shahu Mahavidyalaya, Latur during 2 – 3 May, 2002.
12. Workshop on New Trends in UGC curriculum for UG courses in Physics, Electronics and Microbiology, organized by Dayanand Science College, Latur ON 10th Aug, 2003.

Conferences/ Seminar / Workshop Attended

13. Workshop on “Micro-controller & Fiber Optics” organized by Shri. Shivaji College, Parbhani, Dept. of Electronics, Physics & Dynalog (India) Ltd., Pune on 27th Sept. 2003.
14. Workshop on Interstellar medium, organized by the Dept. of Physics, Bangalore University, during 6 – 10 – 2004.
15. Workshop on New curriculum in Physics and Mathematics organized by Shri. Sant Gadage Maharaj, Arts, Commerce and Science College, Loha 11th July, 2004.
16. National Seminar on Science and Technology On Thin Films held at Rajarshi Shahu Mahavidyalaya, Latur during 16 – 17 Oct., 2004.
17. Workshop on Latur “District Programme Officer workshop” at Rajarshi Shahu Mahavidyalaya, Latur On 16 Aug. 2004.
18. Workshop on revised syllabus in Electronics organized by AES Arts, Commerce & Science College, Hingoli on 9.9.2008.

Conferences/ Seminar / Workshop Attended

19. National Seminar on Materials Processing and Characterization Techniques (NS – MPC T – 2005) organized by Dept. of Physics, Shivaji University, Kolhapur during 28 – 29th March, 2005.
20. State level workshop on Innovative Physics Teaching organized by vigyan prasar, New Delhi, IIT Kanpur & Dayanand Science College, Latur during 24 – 26 Jan, 2009.
21. State level workshop on “Physics Education at Graduate Level : A scientific Approach to crisis And Remedial solutions” organized by Dayanand Science College, Latur during 5 – 6 Dec., 2009.
22. National symposium on Impact of Information Technology on physics Education organized by Rama Devi Women’s Autonomous college, Bhubaneshwar during 21 – 23 Oct, 2005.

23. National Level Seminar on “Quality Enhancement And Sustenance in Higher Education organized by Dhempe College of Arts & Science during 17-18 Oct, 2006.
24. National conference on Physics of Semiconductor Devices & Smart Materials (NC – PS DSM – 07) organized by Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai. 22 – 23, 2007.

Conferences/ Seminar / Workshop Attended

25. National Conference on Advancement of Nano materials and its Applications, D-A-V. College, Kanpur (U. P.), India, 15-16 feb, 2011
26. University Level workshop For College Principals and Teachers on “Implementing New Exam Pattern – 2011” Dayanand College of Commerce, Latur, Maharashtra, India, 6 Aug, 2011.
27. UGC Sponsered One Day National seminar on “Impact of IT on Formal Education: A Retrospective Approach”, Dayanand Science College, Latur, Maharashtra, India, Feb 19, 2011.
28. National Seminar on New Materials Research and Nanotechnology-(NSNMRN2012), 12-14 Sept, 2012, Udhagmandaluam, Tamilnadu, India.
29. International conference on Aerospace, mechanical, Automotive and Materials Engineering, Zurich, Switzerland, Jan 14-15, 2013.

Orientation Courses

1. Completed the orientation course conducted by Marathwada University, during 10.10.1988 to 05.11.1988.
2. Completed the orientation course conducted by Ahamednagar College, NSS Training and Orientation Centre, Professor’s orientation course for the National Service Scheme, 1 – 10 Aug. 1998 Ahamadnagar.

Refresher Courses

1. Completed a Refresher course in microwave & solid state physics conducted by university of Rajasthan, Jaipur during 6th June to 25th June 1994.
2. Completed a Refresher course in Physics conducted by Dept. of Physics, Shivaji University, Kolhapur during 7th Oct to 3rd Nov. 1991.
3. Completed Refresher course in Physics, conducted by Amravati University, Amravati during 2nd June to 25th June, 2001.
4. Refresher course in microprocessors and computers organized by JES college Jalna during 5th 10th Nov. 1990.
5. Completed NSS Refresher course in (i) Special camping programme, (ii) Documentation in NSS conducted by NSS Training and orientation centre, Ahmednagar college, Ahmednagar during 15 – 19 March, 2004.

Brief Profile (Worked as a Principal 2010-16)

- ❖ The college has shown commendable all round progress
- ❖ The College got status of DST-FIST Recognition from DST in the year 2012-13 with a grant of Rs 67.5 Lacks
- ❖ In the year 2013-14 Shahu Phule Ambedkar Award from Govt. of Maharashtra (Rs 15 Lacks).
- ❖ The college got 'A' Grade in NAAC Re-accreditation process with 3.14 CGPA in May 2014
- ❖ College received as Best College Award from SRTM University, Nanded in Oct 2014
- ❖ College received UGC – CPE status from University Grants Commission in the year 2015 – 16, Sanctioned 1.5Cr
- ❖ Best Principal Award By Swami Ramanand Teerth Marathwada University, Nanded (2016)

Brief Profile (Worked as a Principal 2010-16)

Introduction of New Courses/Programmes

- ❖ M.Sc. Biotechnology (2011-12)
- ❖ M.Sc. Physics (2016-17)
- ❖ M.Sc. Mathematics (2016-17)
- ❖ B.Sc. Non Grant Division (2016-17)
- ❖ Optional Subject Business Mathematics at B.Sc. level
- ❖ PG Diploma course in Bioinformatics (UGC Innovative Program grant of Rs 47.5 lacks),
- ❖ Recognition of Mathematics Research Center from SRTMUN
- ❖ Recognition of Physics Research Center from SRTMUN,
- ❖ Add on UGC-COC courses in Computer Hardware Networking, Embedded System Design, Drug Analysis, Food Processing, Mobil Repairing, Matlab Training,
- ❖ Especially introduced Gandhian Study Centre in collaboration with Gandhi Research foundation, Jalgaon
- ❖ Innovative INSPIRE programme of DST

Brief Profile (Worked as a Principal 2010-16)

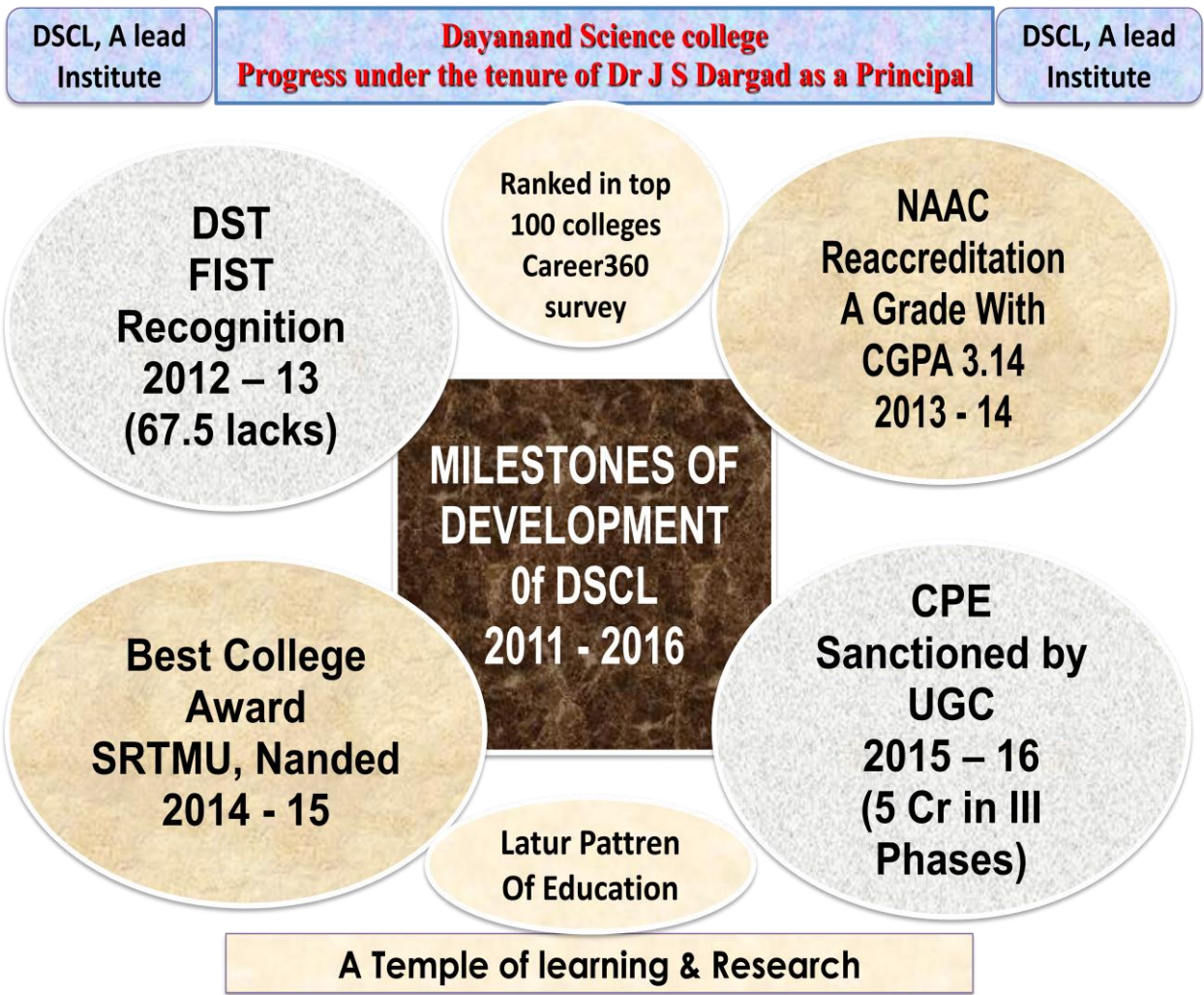
Under my tenure of Principal ship

- ❖ A new Sr. College Building with 22 class rooms
- ❖ Women's hostel (20 rooms)
- ❖ Basket ball court

- ❖ Jim club with all state of art facilities
- ❖ Cricket Ground (130m x 130m)
- ❖ Lawn-Tennis Court (100'x120')
- ❖ Sophisticated seminar hall (30x80)
- ❖ Digital Classrooms (4)
- ❖ A state-of-art Research laboratories with sophisticated instrumental facilities
- ❖ Central computer facility in library (30 computers), Computer Science Labs
- ❖ 2 reading rooms (30 x 100) in library building are established

Brief Profile (Worked as a Principal 2010-16)

- ❖ The college has been sanctioned grant of Rs. 6.50 Cr Approx. under various UGC/DST/MPCB/Inspire schemes/Indian academy of Sciences/Vigyan Prasar/IAPT/Maharashtra State Science Education Society etc.
- ❖ Organized 7 UGC/DST sponsored National Seminar/Conferences, 5 workshops, 1 National level Short Term course for Sr faculty on various research based topics.
- ❖ 14 INSPIRE Internship Science Camps for 11th Science scholar students (3200 students benefited), 6 Vigyan Munch Camps for School scholar Children, 1 Awishkar Research Festival for UG, PG & Research Scholars, 4 Training programs for Jr teachers, 1 National level Refresher course in Physics in collaboration with Indian Academy of Science, 1 Lecturers workshop for BSc students sponsored by Indian Academy of Sciences sanctioned 1-3 Oct, 2016 and other events
- ❖ Organizing SRTMU 'A' zone Council sport tournaments since 2012, organizing West Zone inter University badminton tournaments during 24-28 Oct, 2016, and other events



**International Research journal Publications
Open Access**

| Sr. No. | Name of the journal | ISSN No | Editor in Chief | Publisher |
|---------|--|-----------|------------------------------------|---|
| 1 | International Journal of Universal Science & Technology | 2454-7263 | Dr. J S Dargad Principal | Universal Print Balaghat Mathematical Science Development Society, Latur |
| 2 | International Journal of Universal Mathematics and Mathematical Sciences | 2454-7271 | Dr S S Bellale HOD, Mathematics | Universal Print Balaghat Mathematical Science Development Society, Latur |

Organized Conferences /Seminars/Workshops/Refresher (2010-16)

| S.N. | Type of activity | Dept | Funding Agency | Sanctioned Amount (Rs) | Institutes Contri (RS) | Level | Duration |
|------|--------------------|-----------------|----------------|------------------------|------------------------|------------|----------|
| 1 | Seminar | Phy | UGC | 80,000/- | 50,000 | State | 02 days |
| 2 | Workshop | Phy | NAS | 1,86,000 | 50,000 | State | 21 days |
| 3 | Workshop | Phy | D.S.T. | 1,10,000 | 50,000 | State | 03 days |
| 4 | Seminar | Chem | UGC | 65,000 | 50,000 | National | 02 days |
| 5 | Conference | Zool | UGC | 80,000 | 50,000 | National | 02 days |
| 6 | Student work shop | Zool | D.E.S. | 10,000 | 5000 | District | 03 days |
| 7 | Students workshop | Phy | IAPT | 185,000 | 20000 | District | 07 days |
| 8 | workshop | Enterpri | DIC | 30000 | 9000 | College | 03 days |
| 9 | Seminar | Micro | UGC | 75,000 | 25000 | State | 01 day |
| 10 | Conference | Marathi | UGC | 1,00,000 | 50000 | National | 02 days |
| 11 | Seminar | Maths | UGC | 70,000 | 30000 | National | 02 days |
| 12 | Conference | Comp.Sci | UGC | 80,000 | 30000 | National | 02 days |
| 13 | Seminar | Botany | UGC | 90,000 | 55000 | National | 02 days |
| 14 | Short Term Course | Chem | SRTMU | ----- | 60000 | State | 06 days |
| 15 | Workshop | Maths | SRTMU | 15000 | 20000 | National | 01 days |
| 16 | Awishkar Research | College | SRTMU | 10000 | 20000 | University | 01 days |
| 17 | Refresher course | Physics | IAS, Bangloor | 807,000 | 50000 | National | 15 days |
| 18 | Lecturers Workshop | Phy, Chem, Math | IAS, Bangloore | 187,000 | 25000 | District | 03 days |

Principal
(Dr. J. S. Dargad)
Dayanand Science College, Latur