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## Dr. Pramod Jyotiram Kasabe

**Temporary Address** : c/o Prof. M. S. Chaudhary  
Plot No 8, Padma Housing Society,  
Near SSC Board, Kolhapur  
Pin code- 416001.

**Permanent address** : 'Sanjivani' Plot No. 173-174,  
Rohini Nagar-3, Jule Solapur,  
Maharashtra, India.  
Pin code-413004



**E-mail** : [pjk.biochem@gmail.com](mailto:pjk.biochem@gmail.com), [kasabe.pramod@gmail.com](mailto:kasabe.pramod@gmail.com)

**Phone** : 09764755681/07744035681/09970245681

**URLs** :



<https://scholar.google.co.in/citations?user=HdkP93gAAAAJ&hl=en>

[https://www.researchgate.net/profile/Pramod\\_Kasabe](https://www.researchgate.net/profile/Pramod_Kasabe)

<https://www.linkedin.com/in/pramod-j-kasabe-ph-d-73125058/>

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### PERSONAL PROFILE:

- **Name of Father** : Shri. Jyotiram Sukhadeo Kasabe
- **Name of Mother** : Mrs. Sanjivani Jyotiram Kasabe
- **Date of Birth** : 7<sup>th</sup> July 1988
- **Gender** : Male
- **Nationality** : Indian
- **Marital status** : Single/Unmarried
- **Languages Known** : Marathi, Hindi, English

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### EDUCATIOION:

Institution	Degree	Emphasis	Percentage	Year
Shivaji University Kolhapur	Ph.D.	Biochemistry	Awarded	Oct-2019
Shivaji University Kolhapur	M.Sc.	Biochemistry	63.33 %	2009-2011
Solapur University Solapur	B.Sc.	Microbiology	56.20 %	2006-2009
UGC, New Delhi (University of Pune)	SET	Life Sciences	-	Nov-2011
CSIR-UGC, New Delhi	NET	Life Sciences	-	June-2012
Indian Institute of Technology, Delhi	GATE	Life Science	-	Feb-2011
Indian Institute of Technology, Madras	GATE	Life Science	-	Feb-2011

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**TEACHING EXPERIENCE, EXAM DUTIES AND TRAININGS PROVIDED:**

- [1]. Performed duties on following mentioned courses and department. Duties performed like Teaching, Paper setting, Evaluations, Lab Expert and Examiner

Sr. No.	Worked as	Course/Paper	Class
1.	Assistant Professor  School of Nanoscience and Biotechnology, Shivaji University, Kolhapur (2016-2021)	Fundamentals of Life Sciences	B.Sc.-M.Sc. (Integrated)
		Cell Biology (CBCS)	
		Mammalian Physiology	
		Molecular Cell Biology, Virology, Immunology	
		Biological Culture Techniques	
2.	Contributory Faculty  Department of Food Science and Technology, Shivaji University, Kolhapur (2011-2012)	Food Biotechnology	M.Sc. (Food Science and Technology)
3.	Visiting Faculty  Department of Food Technology, Shivaji University, Kolhapur. (2011-17)	Biochemical Engineering	B.Tech. (Food Technology)
		Food Chemistry, Paper-II	
		Food Biochemistry	
		Biochemical Engineering	
		Food Biotechnology	

- [2]. Honored as a chief speaker at 17<sup>th</sup> Balvaidnyanic sammelan, organized by Parvati Shankar Educational Institutions, Uttur, Kolhapur (MS), India during 29<sup>th</sup> – 30<sup>th</sup> January 2021.
- [3]. Delivered several lectures in the UGC NET Coaching workshop conducted by various Life Science departments at Shivaji University Kolhapur. (2013-14), (2014-15), (2015-16), (2016-17), (2017-18)
- [4]. Delivered lectures in the UGC Remedial Coaching for M.Sc. (Nanoscience and Technology) conducted at School of Nanoscience and Technology, Shivaji University, Kolhapur

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**MEMBERSHIP AND OTHER RESPONSIBILITIES:****✓ CONFERENCES/SYMPOSIUM/WORKSHOP ORGANIZED:****Worked as an organizing committee member for**

- National Science Day Celebration-2019 organized by School of Nanoscience and Technology, Shivaji University, Kolhapur (Organizing Committee Member)
- One day workshop on “Advanced Tools in Cellular Analysis and Analytical Technology” sponsored by Thermo Fisher Scientific India Pvt. Ltd. (6th April 2018).
- Workshop on ‘Solutions from Synthesis to characterization’ sponsored by Anton Paar India Pvt. Ltd. (26th & 27th March, 2018).
- Five-days lecture series entitled 'Cancer and Neurological Nanotechnology: From Basic to Translational and Clinical Sciences' under the Global Initiative of Academic Networks (GIAN) scheme of MHRD, Government of India organized at Shivaji University, Kolhapur from 14th – 18th Nov. 2016.

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✓ **SCIENTIFIC MEMBERSHIP:**

- [1]. Scientific content developer of Marathi Vidnyan Vishvakosh for:
  - a. Nanotechnology Knowledge Boards
  - b. Zoology, Microbiology, Biochemistry, and Biotechnology Knowledge Boards
- [2]. Life Member of Proteomics Society of India (Reg. No. 417).
- [3]. Honorary Editorial Advisory Board Member of following journals:
  - a. ASIO Journal of Chemistry, Physics, Mathematics & Applied Sciences (ASIO-JCPMAS)
  - b. ASIO Journal of Microbiology, Food Science & Biotechnological Innovations (ASIO-JMFSBI)

✓ **ADMINISTRATIVE AND OTHER OFFICIAL RESPONSIBILITIES**

- [1]. Cultural Coordinator of the Shivaji University [for State level inter University Youth Festival, “Indradhanushya 2019” Gondwana University, Gadchiroli, Maharashtra during 2<sup>nd</sup> – 6<sup>th</sup> December 2019].
- [2]. Worked as a Team Coordinator for District and University Level Youth Festival of Shivaji University Kolhapur in 2019-20.
- [3]. In-Charge of following sections at School of Nanoscience and Biotechnology, Shivaji University, Kolhapur, (M.S.) India
  - Departmental Computer Lab (2016-21).
  - Cultural Activities and programs (2016-21).
  - Library (2019-20) (2020-21)
- [4]. Worked as a Student Council member from University Representatives for the DSW committee of Solapur University, Solapur (2008-09).
- [5]. Worked at D.B.F. Dayanand College of Arts and Science, Solapur as :
  - Secretary of College Students Council (2008-09).
  - Student representative for the Anti Ragging committee (2006-07, 2007-08, 2008-09).
  - Student representative for the Sexual Harassments Prohibition Committee (2006-07, 2007-08, 2008-09).

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**PROFESSIONAL TRAINING AND RESEARCH EXPERIENCE:**

- [1]. **Ph.D. thesis title** : Purification and characterization of cholesterol oxidase from microbial system

**Supervisor** : Dr. (Mrs.) P. B. Dandge,  
Department of Biochemistry,  
Shivaji University, Kolhapur

- [2]. **Research Fellowships Awarded**

- UGC Basic Scientific Research Project Fellowship (JRF)
  - UGC Major Research Project Fellowship (JRF and SRF)
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[3]. Completed Trainings and Hands on workshops

- **Hands on Training Programme on GC-MS/MS** organized by USIC (CFC), Shivaji University, Kolhapur in collaboration with Toshvin Analytical Ltd. Mumbai.
- Two Days Intensive Workshop on **Mass Spectrometry with hands on Session/Theory Session** organized by Venture Centre, CSIR-NCL Innovation Park, Pune
- **Summer research project of one month** in 2010 at ADITI Pharmaceuticals, Solapur.

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#### LIST OF SIGNIFICANT PUBLICATIONS:

- [1]. Shamkumar P. Deshmukh, Sajid B. Mullani, Valmiki B. Koli, Satish M. Patil, **Pramod J. Kasabe**, Padma B. Dandge, Sachin A. Pawar, Sagar D. Delekar, (2018). Ag Nanoparticles Connected to the Surface of TiO<sub>2</sub> Electrostatically for Antibacterial Photoinactivation Studies. *Photochemistry and Photobiology*, 94 (6): 1249-1262.
- [2]. Geetanjali T. Mali, **Pramod J. Kasabe**, Padma Babulal Dandge, (2017). Statistically optimized production and characterization of vanillin from creosol using newly isolated *Klebsiella pneumoniae* P27. *Annals of Microbiology* 67 (11): 727–737.
- [3]. P. B. Dandge, **P. J. Kasabe**, S. S. Shinde, S. S. Patil and S. D. Kalasgonda, (2015). Biochemical assessment of nutraceutical from *Verbena bipinnatifida*. *Research Journal of Life sciences, Bioinformatics, Pharmaceutical, and Chemical Sciences*. 2 (1): 83-90.
- [4]. **Pramod J. Kasabe**, Geetanjali T. Mali and Padma B. Dandge, (2015). Assessment of alkaline cholesterol oxidase purified from *Rhodococcus* sp. PKPD-CL for its halostability, detergent and organic solvent tolerance. *Protein Expression and Purification* 116 (2015) 30–41.
- [5]. Sowmya B. Jhample, Sanjivani B. Gajdhane, **Pramod J. Kasabe**, Prashant K. Bhagwat, Padma B. Dandge, (2015). Phytochemical screening and in vitro antimicrobial activity of *Tridax procumbens* L. *Research Journal of Life sciences, Bioinformatics, Pharmaceutical, and Chemical Sciences*. 1(1): 42-51.
- [6]. P. K. Bhagwat, **P. J. Kasabe**, S. B. Jhample and P. B. Dandge, (2013). Friendly bacteria propping up legumes development in pesticide contaminated soil. *International Journal of Pharma and Biosciences*. 4 (3) (B): 356 – 364.
- [7]. **Pramod J Kasabe**, Pranit N Patil, Dayanand D Kamble, Padma B Dandge, (2012). Nutritional, elemental analysis and antioxidant activity of garden cress (*Lepidium sativum* L.) seeds. *International Journal of Pharmacy and Pharmaceutical Sciences*. 4 (3): 392-395.
- [8]. P B Dandge, **P J Kasabe** and R M Patil, (2011). Evaluation of medicinal and nutritional components from the *Eleagnus conferta* fruit. *Science Research Reporter* 1(2): 56-60.

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## **TECHNICAL SKILLS:**

## **RESEARCH RELATED:**

- [1]. Formulations and fabrication of nano-bio-polymeric materials intended to use in food packaging, hydrophobic coatings and drug delivering applications.
  - [2]. Standardization and Formulation for the deployment of value added products in Food, Chemical and Pharmaceutical Industries.
  - [3]. Synthesis, Fabrications and Characterizations of various Nanomaterials
  - [4]. Classical microbiological aseptic culture techniques and microscopic skills.
  - [5]. Microbial Bio-typing techniques using Matrix Assisted Laser Desorption Ionisation- Time of Flight (MALDI-ToF)
  - [6]. Microbial killing kinetics.
  - [7]. Optimized production protein isolate powders from various protein sources and its further characterization.
  - [8]. Chromatographic techniques for protein purification and characterization
  - [9]. Electrophoresis (SDS-PAGE, Native PAGE, Zymography) and Protein Electro-elutions.
  - [10]. Spectroscopic techniques for secondary structure characterization of protein (viz., UV-Vis Spectrophotometry, FT-IR, Raman Spectroscopy, Circular Dichroism spectropolarimetry)
  - [11]. UVProbe version 2.43 software for UV-Vis Spectrophotometer (Shimadzu Corporation, Japan)
  - [12]. Light scattering studies (Dynamic Light Scattering, Zeta potential)
  - [13]. Mass Spectrometric protein characterization techniques
    - a) Matrix Assisted Laser Desorption Ionisation- Time of Flight (MALDI-ToF) based analyses: Intact mass analysis, Protein identification etc.
    - b) Peptide mass fingerprinting (PMF) using the UPLC-HR MS/MS.
    - c) Mass spectrometric data analysis for peptide mass fingerprinting using the software suite, Proteome discoverer 1.4 (Version 1.4.0.288, (Thermo Fisher Scientific, Bremen, Germany)
  - [14]. Homology modelling of protein structures using Modeller version 9.11 software and their validation techniques.
  - [15]. Basic computational techniques of Bioinformatics (viz., online techniques and softwares like Rasmol, Chimera, Modeller, ClustalW, etc.)
  - [16]. Software based statistical process optimization techniques using software suits like, Design Expert, Minitab, etc. (Example-Response surface Methodology)
  - [17]. Phytochemical extraction, purifications and identification by Adsorption chromatographies, GC-MS / LC-MS
  - [18]. Evaluations of bioactive compounds for medicinal uses like antioxidants, antimicrobial, insecticidal etc.
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## **PROFESSIONAL RECOGNITION, AWARDS, FELLOWSHIPS RECEIVED:**

- [1]. Awarded for Best Poster Presentation in Fourth International Conference on Advances in Materials Science (ICAMS – 2020) organized by Post-Graduate Department of Physics, Raje Ramrao Mahavidyalaya, Jath during 20th – 21st January 2020.
- [2]. Awarded 1<sup>st</sup> prize in poster presentation at One day National Conference on “Recent Trends in Chemistry and Material Science (RTCMS-2019)” held on 9<sup>th</sup> February 2019, organized by Department of Chemistry, Shivaji University, Kolhapur, (MS), India.
- [3]. Awarded 1<sup>st</sup> prize in oral presentation at On Day National Conference on “Contemporary Research in Life Science and Cancer Biology” (CRiLC VGS2019), held on 19<sup>th</sup> January, 2019, organized by V. G. Shivdare College of Arts, Commerce and Science, Solapur (MS), India.
- [4]. Awarded 1<sup>st</sup> prize in poster presentation at National Conference on Innovative Research In Chemical Sciences (IRCS-2017), Organized by Department of Chemistry Shivaji University, Kolhapur-416004 (MS), India during 1-2, Feb., 2017.
- [5]. Awarded best scientific sketch at Science sketch competition organized in the 5<sup>th</sup> Annual meeting of Proteomics Society India on Medical Proteomics held at Indian Institute of Science (IISc) from 28<sup>th</sup> – 30<sup>th</sup> November 2013.
- [6]. Awarded 1<sup>st</sup> prize in Model Presentation in National Science Day 2010, organized by Shivaji University, Kolhapur.

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## **PAPERS PRESENTED**

### **IN INTERNATIONAL CONFERENCES/ SEMINARS/ SYMPOSIUMS:**

- [1]. Fourth International Conference on Advances in Materials Science (ICAMS – 2020) organized by Post-Graduate Department of Physics, Raje Ramrao Mahavidyalaya, Jath during 20th – 21st January 2020.
  - [2]. One day Interdisciplinary International Conference on Energy, Environment and Ethics in Research (ICEEE-2019) organized by Y. C. Warana Mahavidyalaya, Warananagar (M.S.) India on 7<sup>th</sup> February, 2019.
  - [3]. 1<sup>st</sup> International Conference on Materials and Environmental Sciences (ICMES-2018) organized in collaboration by Shri Yashwantrao Patil Science College, Solankur and The New College, Kolhapur on 07<sup>th</sup> and 08<sup>th</sup> December 2018.
  - [4]. 3<sup>rd</sup> International Conference Innovative Research in Science and Technology (ICIRST: 2017) during 7<sup>th</sup> & 8<sup>th</sup> November, 2017 organized by Gopal Krishn Gokhale College, Kolhapur (MS) India
  - [5]. 57<sup>th</sup> International Annual Conference of the Association of Microbiologists of India, International Symposium on "Microbes and Biosphere: What's New What's Next" organized jointly by Department of Botany and Institute of Advanced study in Science and Technology, Guwahati University, Guwahati, India during 24-27 Nov. 2016.
  - [6]. 56th Annual Conference of Association of Microbiologists of India (AMI) 2015 held in convention centre, JNU, New Delhi from December 7th to 10th, 2015.
  - [7]. 2<sup>nd</sup> International Conference on Physics of Materials and Materials Based Device Fabrication, (ICPM-MDF-2014) organized by Department Of Physics, Shivaji University, Kolhapur during January 13-15, 2014.
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- [8]. International conference on “Emerging Trends in Biomarker Research-Prospects and Challenges” organized by Centre for Biotechnology and Bioinformatics, School of Life Sciences (SLS), Jawaharlal Nehru Institute of Advanced Studies (JNIAS), Secunderabad, Andhra Pradesh, India on 13<sup>th</sup> and 14<sup>th</sup> September 2013.
  - [9]. International Conference on Biosciences with Special Reference to Environmental Issues (ICBEI-2013) organized by Department of Zoology, Shivaji University, Kolhapur. December, 19-21, 2013. December, 19-21, 2013.
  - [10]. International Conference on Biosciences with Special Reference to Environmental Issues (ICBEI) & 33<sup>rd</sup> Annual Session of The Academy of Environmental Biology, organized by Department of Zoology, Shivaji University, Kolhapur on 19<sup>th</sup> -21<sup>st</sup> December 2013.
  - [11]. International Conference on Biosciences with Special Reference to Environmental Issues (ICBEI) & 33<sup>rd</sup> Annual Session of The Academy of Environmental Biology, organized by Department of Zoology, Shivaji University, Kolhapur on 19<sup>th</sup> -21<sup>st</sup> December 2013.
  - [12]. International Conference on Biosciences with Special Reference to Environmental Issues (ICBEI) & 33<sup>rd</sup> Annual Session of The Academy of Environmental Biology, organized by Department of Zoology, Shivaji University, Kolhapur on 19<sup>th</sup> -21<sup>st</sup> December 2013.
  - [13]. 53<sup>rd</sup> Annual conference of Association of Microbiologists of India (AMI) International Conference on “MICROBIAL WORLD: RECENT INNOVATIONS AND FUTURE TRENDS” organized by KIIT University, Bhubaneswar, Odisha on 22<sup>nd</sup> – 25<sup>th</sup> November 2012.
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#### **NATIONAL CONFERENCES/ SEMINARS/ SYMPOSIUMS:**

- [1]. One day National Conference on “Recent Trends in Chemistry and Material Science (RTCMS-2019)” held on 9<sup>th</sup> February 2019, organized by Department of Chemistry, Shivaji University, Kolhapur.
  - [2]. One day International Conference on Energy, Environment and Ethics in Research (ICEEE-2019) organized by Yashwantrao Chavan Warana Mahavidyalaya, Warananagar, Kolhapur on 07<sup>th</sup> February 2019.
  - [3]. One day National Conference on “Contemporary Research in Life Sciences and Cancer Biology” (CRiLC-2019) held on 19<sup>th</sup> January 2019, organized by V.G. Shivdare College of Arts, Commerce and Science, Solapur.
  - [4]. (CRiLC-2019) held on 19<sup>th</sup> January 2019, organized by V.G. Shivdare College of Arts, Commerce and Science, Solapur.
  - [5]. National Conference on Innovative Research in Chemical Sciences (IRCS-2017) sponsored by UGC-SAP and hosted by Department of Chemistry, Shivaji University, Kolhapur on 1<sup>st</sup> and 2<sup>nd</sup> February 2017.
  - [6]. National Conference on Applied Statistics (NCAS-2016) to be organized by Department of Statistics, Shivaji University, Kolhapur during 11-12 March, 2016.
  - [7]. National Seminar on Application of Chemical and Material Science for Sustainable Development organized by Department of Chemistry, Shivaji University, Kolhapur, Maharashtra, India on 20<sup>th</sup> Feb, 2016.
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- [8]. National Seminar on medicinal plants: Status and Future organized by Department of Botany, Shivaji University, Kolhapur on 6<sup>th</sup> and 7<sup>th</sup> November 2012.
  - [9]. National Conference on Innovative Research in Chemical Sciences (IRCS-2017), Organized by Department of Chemistry Shivaji University, Kolhapur-416004 (MS), India during 1-2, Feb, 2017.
  - [10]. National Conference on “Recent Advances In Integrated Pest Management” (RAIPM-2016) organized by Department of Agrochemicals and Pest Management, Shivaji University, Kolhapur, on 1<sup>st</sup> & 2<sup>nd</sup> March , 2016.
  - [11]. National Seminar on Application of Chemical and Material Science for Sustainable Development organized by Department of Chemistry, Shivaji University, Kolhapur, Maharashtra, India on 20<sup>th</sup> Feb, 2016.
  - [12]. National conference on “Frontiers in chemical and material sciences” on 16<sup>th</sup> and 17<sup>th</sup> January 2015 organized by Department of Chemistry, Shivaji University, Kolhapur, India.
  - [13]. National conference on “Recent Trends and future prospects in multidisciplinary approaches in microbiology-RTFPM 2014” on 4<sup>th</sup> and 5<sup>th</sup> October 2014 organized by Department of Microbiology Rajaram College, Kolhapur in association with microbiologist society, India.
  - [14]. National conference on “Recent Trends in Food Technology and Management” held on 28 and 29 March 2014, organized by Department of Food technology and Management, College of Non-conventional Vocational Courses for women, CSIBER Campus, Kolhapur In association with Microbiologist Society, India.
  - [15]. One Day National Seminar on “Future Prospective of Biological Sciences” (FPBS 2014) on 4<sup>th</sup> March, 2014 organized by department of Microbiology, Shivaji University, Kolhapur In association with Microbiologist Society, India
  - [16]. UGC-SAP National Symposium on “Current Trends in Chemical and Nano Sciences (CTCNS-2014)” organized by Department of Chemistry, Shivaji University, Kolhapur. January 17-18, 2014.
  - [17]. National Symposium on “Current Trends in Chemical and Nano Sciences (CTCNS-2014)” organized by Department of Chemistry, Shivaji University, Kolhapur. January 17-18, 2014.
  - [18]. UGC-SAP, DST-PURSE Sponsored National Conference on "Challenges and Opportunities in Life sciences (COLS-2013)" organized by Department of Biochemistry, Microbiology & Biotechnology, Shivaji University, Kolhapur on 8th and 9th February, 2013.
  - [19]. UGC sponsored, National conference “Sacred groves as a repository for ethnomedical plants” Organized by Department of Botany, Rajaram College, Kolhapur on 1<sup>st</sup> and 2<sup>nd</sup> February 2013
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#### **CONFERENCES/ SYMPOSIUMS/ WORKSHOPS ATTENDED**

- International : 12
  - National : 10
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## CO-CURRICULAR AND EXTRACURRICULAR ACADEMIC ACTIVITIES

- [1]. Working since 5 years as an Actor, Writer, Editor and Director for more than 60 Marathi, Hindi, English, Telugu Feature films and Short films.
- One of the Marathi feature film got **two national and five international awards**
  - rest of the short films have got more than **120 various prizes** at different national and international film festival)
- [2]. Working since last 17 years as an Actor, Writer and Director of more than 50 Marathi, Hindi, English plays. (acquired several prizes)
- [3]. Organizing committee member for
- 79<sup>th</sup> Akhil Bharatiya Marathi Sahitya Sammelan, 2006 (Organized at Solapur)
  - 88<sup>th</sup> Akhil Bharatiya Marathi Natya Sammelan, 2008 (Organized at Solapur)
- [4]. **Public trainer:** Addressed the students, parents and Around 2500+ participants for
- Photography and Cinematography skill in a Skill Development Workshop organized by Skill and Entrepreneurship Development Centre, Shivaji University Kolhapur on 26<sup>th</sup> Sept., 2019.
  - Photography and Cinematography Skill in Mega Job and Skill Fair: 2018 organized jointly by Centre for Skill and Entrepreneurship Development (CSED), Central Placement Cell and Shivaji University Alumni Association in association with the University Skill Development, Employment and Entrepreneurship Guidance Centre, Kolhapur on 19<sup>th</sup> May, 2018.
- [5]. Worked as an **Artist Jury member for** One-act-plays, Skit and Mime Acting Competitions, Elocution and Poetry Competition of Various University Youth Festivals, College and Open Events.
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*-Dr. Pramod Jyotiram Kasabe*