RESUME

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| Name | : | Dr. Faiyyaj Isamuddin Shaikh |
| Designation | : | Assistant Professor (Physics) |
| Institute | : | Government Institute of Forensic Science, Aurangabad. |
| Cell No. | : | 9987069335 |
| UG/ PG Teacher  | : |  UG and PG |
| E-mail | : | faiyyajshaikhb4u@gmail.com |

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| Personal Information |
| Name | : | Dr. Faiyyaj Isamuddin Shaikh |
| Father’s Name | : | Mr. IsamuddinTajuddin Shaikh. |
| Blood Group | : | O Rh +ve |
| Gender | : | Male |
| DOB | : | 18th May 1983 |
| Nationality | : | Indian |
| Religion | : | Islam |
| Mother Tongue  | : | Marathi |
| Qualification | : | Ph.D“Gas Sensing Properties of Alkali & Rare Earth Elements Doped Tin Dioxide” |
| Subject | : | Physics |
| Specialization | : | School of Energy Studies |
| Languages Known | : | Marathi, Hindi, Urdu and English (R/W/S). |
| Corresponding Address  | : | Baitul Iman, House No. S-8, Plot No. 58, Survey No. 41/2, O/P to DKMM Hospital, Caves Road, Guruganesh Nagar, Pahadsingpura, Aurangabad- 431004. |
| Permanent Address | : | A/P Anala, Tal: Paranda, Dist: Osmanabad. Pin Code: 413505 |

Educational Qualification: M.Sc (Physics), Ph.D, S.E.T.

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| Degree | University/Board | **Year of passing** | Percentage (%) | Duration of Course | Class obtained |
| Ph.D. | Solapur UniversitySolapur | Awarded April 2018 | ----- | ------ | ------ |
| S.E.T. | UGC | 2010 | 60% | ------ | 2nd in Maharashtra |
| M.Sc.(Physics) | Shivaji University Kolhapur. | April-2005 | 71.71% | 2 Years | First class with Distinction |
| B.Sc.(Physics) | Shivaji University Kolhapur. | April-2003 | 79.84% | 3 Years | First class with Distinction |
| H.S.C. (PCMB) | Pune Board | Feb-2000 | 74.67% | 1 Year | First class with Distinction |
| S.S.C (Marathi Medium) | Latur Board | March-1998 | 79.93% | 1 Year | First class with Distinction |

**Computer Awareness:**

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| Course | Institute | Year | Marks |
| Maharashtra State Certificate in Info Tech (MS-CIT) | Rajarambapu Institute of Information Technology, Sangli.(RIIT) | 2009 | 92 |
| Diploma course in Hardware and Network Technology | Disha Computer Institute(An ISO 9001-2000 Company) | 2009 | 80 |
| Diploma in Graphics Designing | Disha Computer Institute(An ISO 9001-2000 Company) | 2009 | 78 |
| Certificate Course in Programming | Disha Computer Institute(An ISO 9001-2000 Company) | 2009 | 79 |

**Teaching Experience:** 13 Yrs (6 yrs UG & 7 yrs UG+PG)

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| **Institute** | Subject Taught | UG/PG | Year |
| Walchand College of Engineering, Sangli. | Engineering Physics | UG | 2005-2006 |
| Dr. Babasaheb Ambedkar Technological University, Lonere. | Engg. Physics.Material Science. | UG | 2006-2007 |
| Walchand College of Engineering, Sangli. | Engineering Physics | UG | 2007- 17th Nov., 2011 |
| Institute of Forensic Science, Mumbai | Forensics Physics | (UG + PG) | 18th Nov 2011 to 31 July 2015 |
| Government Institute of Forensic Science, Aurangabad. | Forensics Physics | (UG + PG) | 1st Aug 2015 to till date |

**Appointments held prior to joining this institution:**

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| --- | --- | --- | --- | --- | --- |
| Designation | **Name of Employer** | **Type of Service** | **Nature of Post** | **From-To** | **Pay scale** |
| Asst. Prof. | Dr. Babasaheb Ambedkar Tecnological Univ., Lonere. | Aided | Contract Basis | 2006-2007 | 8,000/- |
| Asst. Prof. | Walchand College of Engg, Sangli | Aided | Contract Basis | 2007-2010 | 20,000/- |
| Asst. Prof. | Walchand College of Engg, Sangli | Aided | Regular | 1 Jun 2010 - 17 Nov 2011 | 15600-39100 GP-6000 |
| Asst. Prof. | Inst. of Forensic Science, Mumbai | Government | Regular | 18 Nov 2011-31 July 2015 | 15600-39100 GP-6000 |
| Asst. Prof. | Govt. Inst. of Forensic Science, Aurangabad | Government | Regular | 1 Aug 2015-till date | 15600-39100 GP-6000 |

**Research Experience:** 2 yrs

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| --- | --- | --- |
| P.G. and M. Phil. Project Topic | Guide | Year |
| “Soft Electrochemical Intercalation of Superconducting MgB2 thin Films” | Dr. Prof. S. H. Pawar | 2004-2005 |
| “Solid state synthesis and characterizations of BaKBiO3 Superconducting material” | Dr. Prof. S. H. Pawar | 2006-2008 |

**Published Papers in International Journals:**

# ****CURRENT RESEARCH OUTLINE****

|  |  |
| --- | --- |
| Citations | 224 |
| h-index | **10** |
| i10-index | **10** |

# Number research Paper Published: 15

# Highest Impact factor of Published Research Paper: 6.707

# Total Impact Factor of own Research Papers: 53.28

# Scopus index publications: 14

# Peer-review Publications: 14

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| --- | --- | --- | --- | --- | --- |
| Type of Journal | **Title with Page No.** | **Journal Details** | **Published year** | **Sole/ Co-Author** | **Impact Factor** |
| InternationalPeer Reviewed | Ni/SnO2 xerogels via epoxide chemistry: potential candidate for H2S gas sensing application. | **Springer** Journal of Porous Materials | 2020 | Co-Author | 2.496 |
| InternationalPeer Reviewed | A facile approach of developing Al/SnO2 xerogels via epoxide assisted gelation: A highly versatile route for formaldehyde gas sensors | **Elsevier** Inorganic Chemistry Comm. | 2020 | Co-Author | 2.495 |
| InternationalPeer Reviewed | Facile Co-precipitation synthesis and ethanol sensing performance of Pd loaded Sr doped SnO2 nanoparticles.  | **Elsevier** Journal of Powder Technology | 2018 | First Author | 5.134 |
| InternationalPeer Reviewed | Structural, Optical and Ethanol Sensing Properties of Dy-Doped SnO2 Nanoparticles | **Springer** Materials Sci.: Materials in Electronics | 2018 | First Author | 2.478 |
| InternationalPeer Reviewed | Synthesis and enhanced ethanol sensing performance of nanostructured Sr doped SnO2 thick film sensor. | **Springer** Materials Science: Materials in Electronics | 2017 | First Author | 2.478 |
| InternationalPeer Reviewed | Synthesis, characterization and enhanced acetone sensing performance of Pd loaded Sm doped SnO2 nanoparticles. | **Elsevier** Ceramics International | 2017 | First Author | 4.527 |
| InternationalPeer Reviewed | Enhanced acetone sensing performance of nanostructured Sm2O3 doped SnO2 thick films. | **Elsevier** Journal of Rare Earths | 2017 | First Author | 3.712 |
| InternationalPeer Reviewed | Synthesis, structural and optical properties of Fe-doped nanocrystalline SnO2 | **Springer** Materials Science: Materials in Electronics | 2017 | Co-Author | 2.478 |
| InternationalPeer Reviewed | Structural, morphological and ethanol sensing properties of Ru:Sr-SnO2 nano-composite. | **Elsevier** Journal of Alloys and Compounds | 2017 | First Author | 5.316 |
| InternationalPeer Reviewed | Co-precipitation synthesis of nanocrystalline SnO2: Effect of Fe doping on structural, morphological and ethanol vapor response properties. | **Elsevier** Journal of [Measurement](http://www.sciencedirect.com/science/journal/02632241) | 2014 | Co-Author | 3.927 |
| InternationalPeer Reviewed | Effect of Bi doping on structural, morphological, optical and ethanol vapor response properties of SnO2 nanoparticles.  | **Elsevier** [Materials Science in Semiconductor Processing](http://www.sciencedirect.com/science/journal/13698001) | 2014 | Co-Author | 2.478 |
| InternationalPeer Reviewed | Structural, morphological and gas sensing properties of undoped and Lanthanum doped nanocrystalline SnO2  | **Elsevier** [Ceramics International](http://www.sciencedirect.com/science/journal/02728842) | 2014 | Co-Author | 4.527 |
| InternationalPeer Reviewed | Liquefied petroleum gas sensing performance of cerium doped copper ferrite. | **Elsevier** Ceramics International | 2013 | Co-Author | 4.527 |
| InternationalPeer Reviewed | Studies on sintering of solid state synthesized Ba1-xKxBiO3-δ superconducting phase. | **Elsevier** Applied Surface Science | 2008 | First Author | 6.707 |

**Paper Published Conferences:**

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| --- | --- | --- | --- | --- |
| S N | **Paper** | **Conference** | **University/College** | **Duration** |
|  |  “Pd-Loaded Sm2O3 / SnO2 Nanoparticles-Based Acetone Gas Sensor with High Response and Selectivity”  | International conference ICFONM–2016 held at Saurashtra University Rajkot. | Saurashtra University Rajkot. |  |
|  | “Structural, optical and gas sensing properties of screen-printed nanostructured Sr-doped SnO2 thick film sensor” | international conference on Emerging Horizons in Biochemical Sciences and Nanomaterials (EHBCSN-2013) | Shri Shivaji Mahavidyalaya, Barshi. Dist-Solapur | 28th to 30th Nov, 2013 |
|  | Acetone vapor sensing Characteristics of undoped and Zn, Ce doped SnO2 gas sensors | International Symposium on Materials Education ISME-2011 | IISER-Pune, NCL-Pune and C-MET-Pune | 26-28 March, 2011 |
|  | Gas Sensing Properties of Sm doped SnO2 gas sensors | Latest Technologies and their Applications in Forensic Science and Digital Forensics | IFS Mumbai, Aurangabad and Nagpur | 6-7th Mar., 12. |
|  | Gas Sensing Properties of Sr doped SnO2 gas sensors | (NS-NMAT-2011)National Conference | C-MET , Pune, and Dept of Physics KBP College Pandharpur | 3-4 Oct. 2011 |
|  | synthesis of Ba1-xKxBiO3-δ superconductors | International Conference on Advanced Materials and Applications 2007 (ICAMA-2007) | Dept of Physics Shivaji university, Kolhapur | 15-17th Nov., 07. |

**Conference Attended:**

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| Conference | **Organizer** | **Duration** |
| National Conference: Aspects of Physics in Mathematical Concepts & Aspects of Mathematics in Physics Concepts. | Dept of Physics and mathematics S. H. Kelkar College of Arts Science & Commerce Devagad, Sindhudurg. | 16-17th Jan 2010. |
| International Conference: Nanomaterials& Applications 2008 (ICAMA-2008). | Dept of Physics Shivaji university, Kolhapur. | 9-11th Dec 2008. |
| National Conference on Latest Technologies and their Applications in Forensic Science and Digital Forensics during. | IFS Mumbai, Aurangabad and Nagpur  | 6-7th March 2012 |
| National Conference: Role of governance, leadership & management in institutional quality improvement  |  K. J. Somaiya College ofScience & Commerce, Mumbai | 22th Dec, 2014 |

**Webinars organized:**

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| Seminar / Workshop | **Organizer** | **Duration** |
| Organized One day National webinar on “ Applications of UV-C for COVID-19 and Forensics”. | Department of Physics, Government Institute of Forensic Science, Aurangabad. | 13th Jun., 2020 |

**Webinars Attended:**

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| Seminar / Workshop | **Organizer** | **Duration** |
| Recent NAAC Procedures for Assessment and Accreditation | RUSA, Maharashtra and JD Nagpur. | 17th Jun., 2020 |
| Towards Excellence in Higher Education in India in 21st Century. | Dr. B.R. Ambedkar Institute of Technology, Jalandhar | 15th Jun., 2020 |
| International webinar on “Alternative Assesment and Evaluation in Teacher Education”.  | HRDC, PMMMNM, India. | 15th to 16th Jun., 2020 |

**Seminar / Workshop Organized:**

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| Seminar / Workshop | **Organizer** | **Duration** |
| Forensic Science for Legal Professionals | Worked as Organizing Committee Member Govt. Inst. of Forensic Science, Aurangabad. |  |
| Sir C.V. Raman Lecture Series | Worked as Organizing Committee Member Govt. Inst. of Forensic Science, Aurangabad. | 15th Feb., 2018 |
| One Day Workshop(Conflicts among teenagers and women harassment at workplace) | Worked as Organizing Committee Member Govt. Inst. of Forensic Science, Aurangabad. | 14th Sept., 2018 |
| National Conference on “Latest Technologies and their Applications in Forensic Science and Digital Forensics” | Worked as Organizing Committee Member and Editorial Board, GIFS Mumbai, Aurangabad and Nagpur | 6-7th Mar., 12. |

**Seminar / Workshop Attended:**

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| Seminar / Workshop | **Organizer** | **Duration** |
| International workshop on “Recent Trends in Functional Material and Research Opportunities in Taiwan and Other Foreign Universities”. | RUSA-Centre for Advanced Sensor Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. | 6-7th Jan., 2020 |
| One Day Seminar(Women Empowerment) | Govt. Inst. of Science, Aurangabad | 05th Oct., 2018 |
| Recent Trends in Material Science (RTMS-2010) | New Arts, Commerce and Science College Parner, Dist-Ahmednagar-414302. UGC sponsored. | 22nd Feb, 2010. |
| One Day National Symposium on “Recent Trends in Teaching Technology” | UGC sponsored. | 21st Mar., 2009. |
| Revised Syllabus Of Engineering Physics. | Shivaji University, Kolhapur, organized by Dept. of General Engg R.I.T Sakharale. | 1st Feb 2008. |
| Developing Teaching Competencies | Consortium of Engg. Education & ISTE, RIT Rajaramnagar Sakharale Dist. sangli. | 18-20th Dec.,07 |
| Third regional convention of Indian association of physics teachers | Willingdon College Sangli. | 29-30thSep., 07 |
| 7th Annual meet of Shivaji University Physics students | Dept of Physics Shivaji University, Kolhapur. | 2005 |

**FDP courses Attended:**

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| FDP | **Organizer** | **Duration** |
| "ADVANCED CONCEPTS FOR DEVELOPING MOOCS” | HRDC, PMMMNMon Teachers and Teaching, Ramanujan College, University of Delhi. | July 02 - July 17, 2020. |
| 3 days STTP on “Latex for Everyone”  | Ramrao Adik Institute of Technology, Nerul. | 18 to 20 Jun., 2020 |
| 5 Days Online Research Methodology Workshop (For Approved College/University Faculty) | Pandit Madan Mohan Malviya National Mission on Teachers & Teaching (PMMMNMTT) Sydenham College of Commerce and Economics. | June 08 - June 12, 2020. |
| Week Faculty Development Programme on"Open Source Tools for Research"  | HRDC, PMMMNMon Teachers and Teaching, Ramanujan College, University of Delhi. | June 08 - June 14, 2020. |
| Two Weeks Faculty Development Programme on"MANAGING ONLINE CLASSES and CO-CREATING MOOCS:2.0" | HRDC, PMMMNM Ramanujan College, University of Delhi. | May 18 - June 03, 2020. |
| One week FDP on “Outcome based Education and Accreditation”. | IILM college of Engineering and Technology,  | 25th May to 29th May 2020 |
| One week FDP on “Moodle-Learning management system”. | Dr. G.Y. Pathrikar College of Computer Science and Information Technology, MGM University, Aurangabad. | 7th May to 12th May 2020 |
| One Week National Online Faculty Development Program on“ICT Tools for Effective Teaching Learning”. | Swami Ramanand Teerth Marathwada University,Nanded | 11-16 May 2020 |
| 8 weak course on “Learning Physics Through Simple Experiments”. | Indian Institute of Technology Kanpur | *April 2 to June 10, 2020* |

**Training Programs:**

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| Name of the course | **Place** | **Duration** | Sponsoring agency |
| A two week ISTE workshop on “Basic Electronics” | Walchand College of Engineering, Sangli | 28/06/2011 to 08/07/2011 | Indian Institute of Technology, Mumbai. |
| STP: Foundation Training Programme for (*Class- I Officers of Higher & Technical Education Department)* | Yashawantrao Chavan Academy of Development Administration (*YASHADA*), Pune | 29/07/2013 to 10/08/2013 Phase-I12/08/2013 to 31/082013 Phase-II07/10/2013 to 12/10/2013 Phase-III | Government of Maharashtra |
| Orientation Programme | Academic Staff College, University of Mumbai, Mumbai. | 28/01/2015 To 24/02/2015 | UGC Sponsored Orientation Programme University of Mumbai,  |
| Refresher course in Basic Science (*Chemistry, Mathematics, Computer Science, Statistics and Physics*) | HRDC, Dr. BAMU Aurangabad. | 02/07/2017 To 22/07/2017 | UGC Sponsored Refreshers Course HRDC, Dr. BAMU Aurangabad. |
| Refresher course in *Emerging Issues in Information Communication Technologies* | HRDC, Dr. BAMU Aurangabad. | 12/10/2020 To 24/10/2020 | UGC Sponsored Refreshers Course HRDC, Dr. BAMU Aurangabad. |

**Invited Lectures:**

1. Role of Physics in CSI at CP office Aurangabad.
2. Physical evidences-collection, preservation and analysis at CP office, Aurangabad.
3. Role of Physics in Crime Investigation at Shri. Muktanand College Ganagapur, Aurangabad.

**Administrative Duties:**

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| Institute | **Duties** | **Academic Year** |
| Govt. Inst. of Forensic Science, Aurangabad. | Chairman, Affilation, ISO, NIRF committee | 2021-22 |
| Chairman, Alumni Association committee | 2021-22 |
| Chairman, First Year B.Sc. Admission committee | 2020-21, 2021-22 |
| Member, IQAC | 2020-21, 2021-22 |
| Programme Officer (N.S.S) | 2015-2018 |
| I/C Physical Director Sports | 2015-2022 |
| HOD | 1st to 21st Mar. 17 |
| Assistant Centre Supervisor University Examination | 2016-2022 |
| Custodian | 2015-2016 |
| Under Study | 2016-2018 |
| Admission committee | 2016-2021 |
| NAAC member (Deputation) | 25th to 31st Aug.,16 |
| Paper Setter/Moderator | 2015-2020 |
| Internal Exam | 2018-2020 |
| Chairman, Anti-Ragging Committee | 2018-2020 |
| Library Committee member | 2018-2020 |
| Prospectus Committee member | 2018-2020 |
| Magazine Committee member | 2018-2020 |
| Chairman B.Sc./B.Ed/M.Ed/B.PEd College Physical verification of Jalna & Beed . | 2015-2016 |
| Institute of Forensic Science, Mumbai | I/C Director | 04-30th Mar., 2014 |
| HOD | 2011-2015 |
| Chairman Admission committee | 2012-2014 |
| Advisor Admission Committee | 2014-15 |
| Information Officer RTI | 2013-2015 |
| LMC member | 2014-2015 |
| I/C MAT | 2012-2015 |
| Member of Technical Committee (e-Tender) | 2013-2015 |
| Member of Purchase Committee | 2014-15 |
| Chairman Univ., Exam | 2011-2015 |
| I/C Chief Supervisor/Conductor Examination | 2014-2015 |
| Member of Syllabus Revision Committee | 2012-20132013-20142014-2015 |
| Library Committee | 2012-2015 |
| Member of Maha Govt. Ideal Teacher Award Distribution seating arrangement Committee | 2012-2013 |
| Member of Organizing Committee of National Conference on Latest Technologies and their Applications in Forensic Science and Digital Forensics.  | 6-7th March 2012. |
| Government Nominee for B.Ed. entrance examination 2012 | 2012-2013 |
| Govt. Nominee in Class IV employee recruitment screening Examination.  |  |
| W.C.E., Sangli. | I/C CAP | 2010-2011 |

**Subjects Taught:**

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| Sr.No | **Course / Paper** | **Level****(Class)** |
|  | Applied Physics | B.Tech |
|  | Engineering Physics | B.E. |
|  | Basic Forensic Physics | U.G. B.Sc. I |
|  | Advanced Forensic Physics | U.G. B.Sc. II |
|  | Applied Forensic Physics | U.G. B.Sc. III |
|  | Forensic Ballistics & Forensic Physics | P.G. M.Sc. I  |
|  | Motor Vehicle Crimes & Forensic Physics | P.G. M.Sc. I  |
|  | Forensic Physics | P.G. M.Sc. II  |
|  | Instrumentation | P.G. M.Sc. II  |

**Awards/Scholarships:**

* Eklavya Merit Scholarship 2005.
* Shivaji University Merit Scholarship for Socially and Economically weaker
 section Student 2005.
* Awarded a Certificate of Recognition having been placed among 10% in
 National Graduate Physics Examination 2003.

**Achievements:**

* Best Paper presentation award in International conference ICFONM–2016 held at Saurashtra University Rajkot.
* 2nd in SET examination in Maharashtra.
* 10th class third in the center.
* B.Sc I First in the Group A and third in the College.
* B.Sc II First in the Group A and third in the College.
* B.Sc III First in the Group A and third in the College.
* M.Sc. II First in the University.

**Date: 29th Oct., 2021. Place: Aurangabad.**

**Name**: Dr. Faiyyaj Isamuddin Hasina Shaikh.