



Bharatiya Shikshan Prasarak Sanstha, Ambajogai



# Swa. Sawarkar Mahavidyalaya, Beed



## Internal Quality Assurance Cell

### CRITERION 3- RESEARCH, INNOVATIONS & EXTENSION

3.5.1. The number MOUs, Collaborations/linkages for Faculty exchange, Internship, Field Project, On-the-job training, research and other academic activities during the last five years

**Summary of MOUs/Collaborative Activities Year Wise  
2018-23  
DVV Clarification**

Established-1995



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**Swa. Sawarkar Mahavidyalaya, Beed**

**(Art's, Science & Commerce)**

**NAAC- RE-ACCREDITED GRADE-B**



**Dr. P.D. Pohekar**

**M.A.,SET,M.Phil.,Ph.D.**

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## Collaborative Activities

2018-20

| <b>Sr. No.</b> | <b>Title of the collaborative activity</b>   | <b>Name of the collaborating agency with contact details</b>                          |
|----------------|--|---|
| 1              | Psychological Counseling   | Mauli Maind Care Hospital, Beed.  |
| 2              | Tuning optical properties of cadmium thiourea acetate nonlinear optical crystal exploiting organic ligand of L-proline   | Crystal growth research Laboratory, Milliya College, Beed.                            |
| 3              | Illustrious influence of amino acid L-threonine(LT) on structural and optical insights of Zinc Thiourea Sulphate (ZTS) crystal"  | Crystal growth research Laboratory, Milliya College, Beed.                            |
| 4              | Crystal growth, spectral, optical and thermal studies of thiourea ammonium acetate doped potassium dihydrogen phosphate crystal for NLO applications   | Crystal growth research Laboratory, Milliya College, Beed.                            |
| 5              | Magnificent transmutation in optical traits due to methionine doping on zinc thiourea sulphate (zts) metal complex crystal   | Crystal growth research Laboratory, Milliya College, Beed.                            |
| 6              | Focusing superiority of s-r method grown crystal over conventionally grown thiourea zinc acetate (tza) metal complex crystal   | Crystal growth research Laboratory, Milliya College, Beed.                            |
| 7              | Stability study of complexation of transition metals with Sciff-Base 2-Hydroxy-5-bromoacetophenone-N-(4-methoxyphenyl) imine: thermodynamic aspects; Research Journey International Multi-disciplinary E-Research Journal, March-2019. | Milliya College Beed & Balbhim College Beed.  |
| 8              | Solution of Forced & Free Convection Flow Of Dissipative Fluid Past An Infinite Vertical Plate   | R. B. Attal College, Gevrai & Dept. of Mathematics, Swa. Sawarkar Mahavidyalaya, Beed |
| 9              | 17th Regional Level Seminar Competition  | Marathwada Mathematical Society   |
| 10             | Inter Loan Facility ( Library)   | Pradnyachakshu Andh vidyalaya, Beed   |
| 11             | Guest Lecture  | Milliya College, Beed   |
| 12             | Fuzzification of Linear Spaces   | R. B. Attal College, Gevrai & Dept. of Mathematics, Swa. Sawarkar Mahavidyalaya, Beed |

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## Collaborative Activities

2019-20

| <b>Sr. No.</b> | <b>Title of the collaborative activity</b>   | <b>Name of the collaborating agency with contact details</b> |
|----------------|--|--|
| 1              | Psychological Counselling  | Mauli Maind Care Hospital, Beed.                             |
| 2              | Study of complexation of divalent transition and trivalent lanthanide metal ions with Schiff's Base 2-Hydroxy-5-bromo- acetophenone-N-(2-Chloro-5-nitrophenyl) imine: thermodynamic aspect; Journal of Global Resources Volume 5 (02) July 2019.   | Milliya College Beed & Balbhim College Beed.                 |
| 3              | Thermodynamic study of Complexation of transition metal ions with Schiff Base 2-Hydroxy 5-bromo Acetophenone –N-(4-Methyl phenyl)Imine in 50%(V/V)ethanol-water medium JOURNAL OF GLOBAL RESOURCES Biannual International peer Reviewed Journal UGC-CARE Listed Journal in Group D; ISSN: 2395-3160(print)Volume 5(02)1,p. No.220-223; | Milliya College, Beed.                                       |
| 4              | Students participation in attainment of graduate attributes; Research Journey International Multi-disciplinary E-Research Journal, October-2019.   | Milliya College, Beed.                                       |
| 5              | Mixed ligand complexes of Cadmium metal ion with diphenhydramine and amino acids in aqueous media; Research Journey International Multi-disciplinary E-Research Journal, October-2019.   | Milliya College Beed & Balbhim College Beed.                 |
| 6              | Low Cost Carbon Cathode For Nature Dye Sensitized Solar Cell   | Crystal growth research Laboratory, Milliya College, Beed.   |
| 7              | Exploring the impressive nonlinear optical and dielectric properties of cadmium thiourea acetate crystal doped with oxalic acid  | Crystal growth research Laboratory, Milliya College, Beed.   |

|    |  |   |
|----|--|---|
| 8  | Studies on optical properties of Potassium Chloride doped Bis-Thiourea Cadmium Acetate Crystals  | Crystal growth research Laboratory, Milliia College, Beed.                              |
| 9  | Evaluation Of Optical Traits Of Urea Doped Thiourea Zinc Sulphate (U-ZTS) Metal Complex Crystal For NLO Applications   | Crystal growth research Laboratory, Milliia College, Beed.                              |
| 10 | Focusing Growth and Characterization Studies of Potassium Chloride (KCL) doped Bis-thiourea Cadmium Acetate (BTCA) Single Crystals   | Crystal growth research Laboratory, Milliia College, Beed.                              |
| 11 | Potentiometric investigation of complexation of Benazepril drug with alkaline earth metal ions in aqueous media ; Journal of Research and Development A Multidisciplinary International Journal, Volume 10,Special Issue02,Janury 2020; ISSN: 2230-9578, P. No. 40-42; 21, January 2020. | Milliya College Beed.   |
| 12 | Solution of dissipative fluid flow of an Impulsively Started Infinite Vertical Plate   | R. B. Attal College, Gevrai & Dept. of Mathematics , Swa. Sawarkar Mahavidyalaya, Beed. |
| 13 | Microbiology Rangoli Competition   | Microbiological Biologis society India  |
| 14 | Inter Loan Facility ( Library)   | Milliya College, Beed.  |
| 15 | Inter Loan Facility ( Library)   | Pradnyachakshu Andh vidyalaya, Beed.  |

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स्वा. सावरकर महाविद्यालय, बीड

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## Collaborative Activities

2020-21

| Sr. No. | Title of the collaborative activity   | Name of the collaborating agency with contact details                                 |
|---------|---|---|
| 1       | Optimization of Aluminum Doping Concentration in Titanium Dioxide Nano-particles Photo Anode for Enhancing Efficiency of Dye-Sensitized Solar Cell  | Crystal growth research Laboratory, Milliya College, Beed                             |
| 2       | Integrity in linear and nonlinear optical properties of L-tyrosine doped bis thiourea cadmium acetate single crystal  | Crystal growth research Laboratory, Milliya College, Beed                             |
| 3       | Role of dopant L-Methionine concentration in modifying optical properties of parent Zinc Thiourea Sulphate Nonlinear crystal  | Crystal growth research Laboratory, Milliya College, Beed                             |
| 4       | Focusing Nonlinear Optical Traits of Parent & L-Tryptophan Doped Bis-Thiourea Cadmium Acetate (TR-BTCA) Crystal for NLO   | Crystal growth research Laboratory, Milliya College, Beed                             |
| 5       | Inter Loan Facility ( Library)  | Milliya College, Beed   |
| 6       | Thermodynamic studies of transition metal ions with Schiff- base in 50% (V/V) Ethanol-Water system. Journal of research and Development, Volume 10, Special Issue 02 (2020).  | Milliya College Beed  |
| 7       | Thermodynamics of the formation of divalent Copper complexes carrying novel Schiff bases in mixed solvent media; Journal of Interdisciplinary Cyclic Research Volume XIII, Issue-IV, Page No. 53-61, ISSN: 0022-1945, April/2021.                           | ACTRA, Milliya College Beed   |
| 8       | Studies of complexation of trivalent rare earth metal ion Cerium with novel Schiff bases: Thermodynamic Aspect; The International Journal of analytical and experimental modal analysis, Volume XIII, Issue IV, Page No 74-80; ISSN: 0886-0367; April/2021. | ACTRA, Milliya College Beed   |
| 9       | Rotating Fluid Magneto Hydrodynamics flow Past an impulsively Started Infinite Vertical Plate   | R. B. Attal College, Gevrai & Dept. of Mathematics, Swa. Sawarkar Mahavidyalaya, Beed |

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## Collaborative Activities

2021-22

| Sr. No. | Title of the collaborative activity   | Name of the collaborating agency with contact details                                       |
|---------|---|---|
| 1       | Complexation of La(III) Metal Ion with Novel Schiff Bases, Thermodynamic Study, Journal of Advanced Scientific Research Volume 12, Issue-2, Suppl 2, Page No. 133-136 Available online through , <a href="http://www.sciensage.info">http://www.sciensage.info</a> , ISSN: 0976-9595, July 2021 . | ACTRA, Milliia College, Beed  |
| 2       | Thermodynamics Study Of Formation Of Zinc Complexes Carrying Novel Schiff Bases In Mixed Solvant Media; Journal of Advances in Applied Sciences and Technology (2022) Vol. 8  Issue 1  Page 91-96, ISSN NO:2393-8188(print), 2393-8296(online) (2022).  | ACTRA, Milliia College, Beed  |
| 3       | Psychological Counseling  | Mauli Maind Care Hospital, Beed   |
| 4       | 7 Days online lecture Series- General Aptitude(part A CSIR-NET)   | Students for Holistic Development for Humanity(SHODH), Maharashtra                          |
| 5       | Guest Lecture   | Yogeshwari Mahavidyalaya, Ambajogai   |
| 6       | Guest Lecture   | Shri. Siddheshwar Mahavidyalaya, Majalgaon  |
| 7       | Inter Loan Facility ( Library)  | Milliia College, Beed   |
| 8       | Field Visit   | Collaborations with Maharashtra Fish Seed Production Center Kesapuri Tq Majalgaon Dist Beed |
| 9       | Seminar on - Changing Face of English in Global Era   | Department of English, Milliia College, Beed  |

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## Collaborative Activities

2022-23

| <b>Sr. No.</b> | <b>Title of the collaborative activity</b>                  | <b>Name of the collaborating agency with contact details</b>  |
|----------------|---|---|
| 1              | Sanskrit Kavya Vimarsh Karyashala                           | Jawahar Arts, Science & Commerce College, Andur               |
| 2              | Prabhu ShriRam Charitra-Kalachi Garaj                       | Itihas Sankalan sanstha Maharashtra                           |
| 3              | Felicitatation of freedom fighter's Wife                    | Itihas Sankalan sanstha Maharashtra                           |
| 4              | Availing sports facilities                                  | Champawati Krida Mandal, Beed                                 |
| 5              | Prafulla Chandra Ray Lecture series                         | Analytical Chemistry Teacher's Association, Aurangabad        |
| 6              | Mahila Udyojak Melava                                       | Janshikshan Sansthan, Beed                                    |
| 7              | Assistant Dress Maker-Tailoring Diploma                     | Janshikshan Sansthan, Beed                                    |
| 8              | Plumbing, Rain Water Harvesting Course for Girls            | Janshikshan Sansthan, Beed                                    |
| 9              | Interview on Terna Radio, Divyang Din                       | Terna Radio Station, Osmanabad                                |
| 10             | Speech on Terna Radio, Dr. B.R. Ambedkar Mahaparinirman Din | Terna Radio Station, Osmanabad                                |
| 11             | Speech on Rashtramatya Jijau Jayanti                        | Terna Radio Station, Osmanabad                                |
| 12             | Interview of IPS Nilesh Gaikwad                             | Terna Radio Station, Osmanabad                                |
| 13             | Psychological Counselling                                   | Mauli Maind Care Hospital, Beed                               |
| 14             | Chief Guest Lecture on Hindi Diwas (14/9/2022)              | Shri. Siddheshwar Mahavidyalaya, Majalgaon                    |
| 15             | Chief Guest Lecture on Hindi Diwas (15/9/2022)              | Shri. Siddheshwar Mahavidyalaya, Majalgaon                    |
| 16             | Inter Loan Facility ( Library)                              | Kholeswar Mahavidyalaya, Ambajogai                            |
| 17             | Inter Loan Facility ( Library)                              | Siddheshwar Mahavidyalaya, Majalgaon                          |
| 18             | Divyang Mata Sanman Sohala                                  | Saksham, Deogiri Prant  |
| 19             | Online Seminar on Marginal Literature in Current Era        | English Educators Society, Morewadi                           |
| 20             | Trundhanya Diet ( Grassy Grains)Awareness Program           | Dept. of Home Science, Jai Bhavani College, Gadhi Tal. Georai |