



## **YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

### **Annual Report 2018-19**

- 1) AISHE College ID: C-11076
- 2) **Certification**  
NAAC 3rd Cycle 2017 CGPA- 2.86 Grade: B++  
ISO 9001: 2015

3) **Admission for the 2018-19**

Program name	Program Code	Number of seats sanctioned	Number of Students admitted
B. Sc.	2324	2280	1889
B.Sc. Cs. Entire	2325	240	176
M. Sc.	205	142	142

4) **Results 2018-19**

Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination
2324	B. Sc. III	584	440
2325	B. Sc. Cs. Entire III	41	39
205	M.Sc. II	67	63

5) **Teaching Staff**

<b>Sanction Grantable Post:</b>	66
<b>Permanent:</b>	17
<b>Vacant Post:</b>	47
<b>Adhoc/Temporary</b>	Grantable: 104
	Non-grantable: 14



**6) Non-Teaching Staff**

<b>Sanction Grantable Post:</b>	101
<b>Permanent:</b>	41
<b>Vacant Post:</b>	60
<b>Temporary:</b>	Nil

**7) College Publication**

**I. Magazine Title:** Yashwant (60<sup>th</sup>)

**II. Publisher:** Principal Dr. S. B. Kengar

**III. Chief Editor:** Dr. B. E. Mahadik

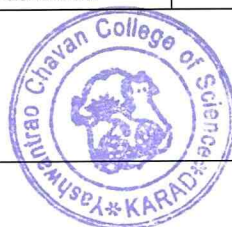
**8) Research Paper Publications**

<b>Sr. No.</b>	<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Department of the teacher</b>	<b>Name of journal ISSN number</b>
1	Geochemistry of upland laterites of Tarale–Thoseghar Plaeau of Bamnoli range of Satara district of Maharashtra	Desai R.V., Khanapurkar J.V. and Suryawanshi R. V.	Geology	Journal of Applied Geochemistry 2319-4316
2	Petrographical and mineralogical studies on lateritic bauxite profiles of Shahuwadi taluka of Kolhapur district, Maharashtra	Khanpurkar J.V., Suryawanshi R.V., Desai R.V., Patil S.H., Mali V. R. and Pisal P.B.	Geology	Journal of Applied Geochemistry 2319-4317
3	Nutritional Characteristics of the Pulp of the Fruit Annona cherimola Mill. and its Related Ethnomedicinal Properties	Anup A Tamgave, Shreyas T Tamgave, Avinash A. Raut, Suryakant S. Wadkar and Jai S Ghosh	Microbiology	EC Nutrition
4	Magnetic Nanoparticle Decorated NHeterocyclic Carbene–Nickel Complex with Pendant Ferrocenyl Group for C–H Arylation of Benzoxazole	Altafhusen Naikwade, Megha Jagadale, Dolly Kale, Shivanand Gajare, Prakash Bansode, Gajanan Rashinkar	Chemistry	Catalysis Letters 1572-879X
5	DNA barcode-based delineation of freshwater fishes from northern Western Ghats of India, one of the	Patil, T. S., Jamdade, R. A., Patil, S. M., Govindwar, S. P., & Muley, D. V.	Zoology	Biodiversity and Conservation 1572-9710





	world's biodiversity hotspots			
6	Synthesis of Xanthenediones by Silica Supported Orthophosphoric Acid	Patil Rahul S., Suresh S. Shendage , Uday P. Lad, Uttam B. More	Chemistry	Asian Journal of Chemistry 0975-427X
7	Interior ideals in Gsemirings	R.D. Jagatap	Mathematics	Malaya Journal of Matematik 2321-5666
8	Emplacement and growth of alkaline dikes: Insights from the shonkinite dikes (Elchuru alkaline complex, SE India).	Ghodke, S. S., Rathna, K., Kokandakar , G. J., Nagaraju, B., More, L. B., Bhosle, M. V ., & Kumar , K. V	Geology	Journal of Structural Geology 0191-8141
9	Hydrothermally synthesis of ytterbium sulfide thin film and its supercapacitor application	T. T. Ghogare, S. B. Ubale, A. C. Lokhande, C. D. Lokhande	Chemistry	MJDYPU 0974-2743
10	Geochemical Evidences for Possible Absence of CuSulfide Deposits in the Deccan Volcanic Province, India.	Laxman, M. B., & Kumar , K. V .	Geology	Journal Of The Geological Society Of India 0016-7622
11	Copper ferrite magnetic nanoparticles for the immobilization of enzyme	S. V. Otari, S. K. S. Patel, S-Y. Kim, J. R. Haw, V. C. Kalia, I-W. Kim, J-K. Lee	Microbiology	Indian Journal of Microbiology 0973-7716
12	SiO <sub>2</sub> microparticles with carbon nanotube- derived mesopores as an efficient support for enzyme immobilization	A. Kumar, G. D. Park, S. K. S. Patel, S. Kondaveeti, S. V. Otari, et.al.	Microbiology	Chemical Engineering Journal 1385-8947
13	Mutagenic effect of Maleic hydrazide on seed germination and seedling growth of Nigella sativa L.	Kirtane Sushma A. and Jadhav Pravin	Botany	International Journal of Research and Analytical Reviews 2348-1269
14	Biomolecule entrapped SiO <sub>2</sub> nanoparticles for ultrafast green synthesis of silver nanoparticle–decorated hybrid nanostructures as effective catalysts	S. V. Otari, V. V. Shinde, H. Gao, S. K. S. Patel, V. C. Kalia, I-W. Kim, J-K. Lee	Microbiology	Ceramics International 5876-5882
15	A novel screening method for potential naringinase producing microorganisms	Satish V. Patil, Sunil H. Koli, Bhavana V. Mohite, Hemant P. Borase, Vikas S. Patil	Microbiology	Biotechnology and applied biochemistry 0885-4513, 1470-8744
16	Facile Chan-Lam coupling using ferrocene tethered N-heterocyclic carbene-copper complex anchored on graphene	Shivanand Gajare, Megha Jagadale, Altafhusen Naikwade, Prakash Bansode, Gajanan Rashinkar	Chemistry	Applied Organometallic Chemistry 1099-0739





17	Biotreatment of paper mill effluent using alkaliphilic Rhizobium sp. NCIM 5590 isolated from meteoric alkaline Lonar Lake, Buldhana District, Maharashtra, India	Raut AA, Phugare SS, Kalyani DC, Bajekal SS	Microbiology	Lakes & Reservoirs: Science, Policy and Management for Sustainable Use 1440-1770
18	Intramolecular O-arylation using nano-magnetite supported N-heterocyclic carbene-copper complex with wingtip ferrocene	Altafhusen Naikwade, Megha Jagadale, Dolly Kale, Shivanand Gajare, Prakash Bansode, Gajanan Rashinkar	Chemistry	Applied Organometallic Chemistry 1099-0739
19	The Promise of Molecular and Genomic Techniques for Biodiversity Research and DNA Barcoding of the Arabian Peninsula Flora.	Mosa, K. A., Gairola, S., Jamdade, R., El-Keblawy, A., ... Mahmoud, T.	Zoology	Frontiers in Plant Science 1664-462X
20	Development of Porous Manganese Oxide/Polyaniline Composite Using Electrochemical Route for Electrochemical Supercapacitor	Relekar B.P., Fulari A. V., Lohar G.M. and Fulari V. J.	Chemistry	Journal of Electronic Materials 0361-5235
21	Cellulose-Supported Ionic Liquid Phase Catalyst-Mediated Mannich Reaction	Sharanabasappa Khanapure, Megha Jagadale, and Gajanan Rashinkar	Chemistry	Australian Journal of Chemistry 0004-9425
22	Uranium and Thorium Anomalies in the ~ 2.5 Ga Vendodu Leucogranite, Nellore Schist Belt, SE India and its Potential to Generate Uranium Deposits.	Kokandakar, G. J., Ghodke, S. S., More, L. B., Nagaraju, B., Bhosle, M. V., Sawant, S. S., and Kumar, K. V.	Geology	Journal Of the Geological Society Of India 0016-7622
23	Effect of Carbon Sources on Production of Exopolysaccharide of Halophilic Archaeon Natronalba Wudunaoensis ssbjup Isolated from Lonar Lake	Shinde P. S. and Patil. J.U.	Microbiology	International Journal of Research and Analytical Reviews 2348-1269
24	Synthesis, characterization and effect of Manganese substitution on properties of Mg ferrites	Mali A.V. G. B. Dhake, R. S. Patil	Chemistry	International Journal of Research and Analytical Reviews 2348-1269
25	Facile synthesis of B-cyclodextrin-grafted solid silica nanoparticles	Sushilkumar A. Jadhav, Sudip D. Karande, Shivaji H. Burungale	Chemistry	Material Design & Processing Communications (MDPC) 2577-6576



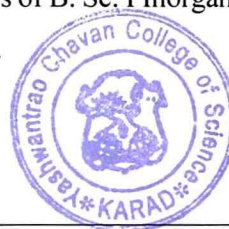


## 9) Faculty Development Programs attended

- i. **Dr. S. A. Kirtane:** Short term course on "Mathematics for Biological Sciences" organized by T.C. College, Baramati during 4th to 10th Dec. 2018. (FDP- UGC-HRDC, Savitribai Phule Pune University, Pune)
- ii. **Dr. G. G. Potdar:** Short Term Faculty Development Programme of one week (7 days) duration on Train the Trainers (Botany) conducted by Faculty development Centere, UGC-HRDC, Savitribai Phule Pune University, Pune from 9/1/2019 to 15/ 1/2019.

## 10) Faculty Exchange Programs

- i. **Prin. Dr. S. B. Kengar:** Served as Resource Person at Yashwantrao Chavan Institute of Science, Satara Organized by the Department of Zoology, Under Star College Activity.
- ii. **Dr. G. G. Potdar:** Served as a Resource person and delivered a lecture on "Grasses of India" in National Workshop on Monocot Systematics organized by Center for Education, Learning and Research Training in Angiosperm Taxonomy, Department of Botany, Shivaji University, Kolhapur on 4th January 2019.
- iii. Served as a Resource person and delivered a lecture on "Grasses Taxonomy" in Hands on Training in Plant Taxonomy organized by Department of Botany, Yashvantrao Chavan Institute of Science, Satara on 29th December 2018.
- iv. **Dr. S. A. Kirtane:**
  1. One day workshop on "Cocoon handicrafts" organized by Yashwantrao Chavan Institute of Science, Satara on 10/09/2018.
  2. One day workshop under Lead College Activity on "Cocoon handicrafts" organized by Smt. Vijayadevi Desai Science and Commerce Senior College, Daulatnagar, Patanon 29/01/2019.
  3. One Day workshop on "Plant Microtechniques" organized by Smt. Vijayadevi Desai Science and Commerce Senior College, Daulatnagar, Patanon 15/02/2019
- v. **Dr. S.H. Burungale:**
  1. Delivered a lecture as resource person in one day workshop on revised syllabus of M. Sc. I organized by Jayshingpur College Jayshingpur on 16th Aug. 2018.
  2. Worked as a chair person in one day workshop on revised syllabus of B. Sc. I Inorganic Chemistry organized by Balvant College Vita on 31st Aug 2018.





**vi. Dr. V. I. Kalamade: Resoure person in the workshop on B.Sc.I revised syllabus at**  
Krantisinh Nana Patil College, Walwa 14th Aug. 2018.

**vii. Dr. B. P. Relekar**

Chaired a session in Workshop on New Changed Syllabus of B. Sc. I Physics on 24 Aug. 2018 at D P Bhosale College, Koregaon.

**viii. Dr. N. R. Shaikh**

Delivered Key Note Address, in the workshop on Revised Syllabus of B.Sc. I Semester I and II Microbiology held at Department of Microbiology, Chikhali.

**ix. Mr. G. B. Dhake**

Delivered a guest lecture on topic Phase Equilibrium at Matoshri Bayabai Shripatrao Kadam Mahavidyalaya, Kadegaon on 15th Jan.2019.

**11) Faculty Participation in conference/seminars/workshops/LIC/others,**

**i) Dr. S.H. Burungale**

Participated in the one day workshop on NEXT STEP Career guidance programme at RIT Islampur.

**ii) Dr. V. I. Kalamade**

1. Attended one day Workshop on "Choice Based Credit System (CBCS)" at Y.C.I., Satara organised by Shivaji Univercity, Kolhapur on 5/7/2018.
2. Paticipated in 2nd National "Pakshi Mitra Sammalan" at Town Hall, Karad on 23,24th Nov. 2018
3. Participated in IARP Workshop on "Beneficial effects of Radiation and Indian Nuclear Energy Programme" at Y.C. College of Science, Karad.

**iii) Dr. S. A. Kirtane**

1. Kirti Gosavi, Pravin Jadhav, Mangesh Thorat and Kirtane Sushama 2018. Mutagenic sensitivity of maleic hydrazine in catharanthusroseus (L.) G. Don. In "International Conference on Environment, Development and Sustainability" organized by A.S.P. College, Devrukh, Dist: Ratnagiri, Maharashtra on 15th Dec. 2018. (Abstract page. 350).
2. Pravin Jadhav, Kirti Gosavi and Kirtane Sushama 2018. Mutagenic effect of sodium azide on seed germination and seedling growth of Catharanthusroseus (l.) G. Don.





Ebid: (Abstract page No. 351).

3. Kirtane Sushama A. 2018. Mutagenic effect of Hydrazine hydrate (HZ) on Seed germination and Seedling growth of *Nigella sativa* L. In "International Multidisciplinary Conference on Recent trends in Library, Science and Technology, Humanities, Commerce and Management" organized By Anandibai Raorane Arts, Commerce and Science college, Vaibhavwadi, Sindhudurg on 21st Dec. 2018.
4. Kirtane Sushama A. 2019. Studies on aqueous leaf extract of on seed germination and seedling growth of Chilly *Diplocyclospalmatus* (*Capsicum annum* L.). In: National Conference on "Sustainable Agriculture" One day workshop on "Mushroom cultivation for entrepreneurship development" on 17th Jan. 2019.
5. One day Teacher's workshop on "Revised syllabus B.Sc. part I Botany as per CBCS" organized by Shikshanmaharshi Dr. Bapuji Salunkhe College, Miraj on 24th Aug.2018.
6. One-day workshop on "Avishkar Orientation Programme" organized by Shivaji University Kolhapur in association with Kisanveer Mahavidyalaya, Wai on 03/11/2018.

**iv) Dr. G. G. Potdar**

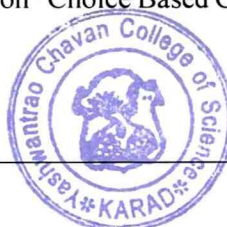
Participated in one day workshop on "Yuva Mahiti Doot" organized by Arts and Commerce College, Satara on 29th October 2018.

**v) Mrs. P. A. Patil**

Participated and presented paper (Poster)"Effect of surface free energy on supercapacitance of MnO<sub>2</sub>, polyaniline thin films" in 106th Indian Science Congress at Lovely Professional University, Punjab.

**vi) Dr. B. P. Relekar**

1. Participated and presented paper (Oral) "Higher Educational Opportunities after B.Sc. and M. Sc. for Physics students" in XXXIII<sup>rd</sup> Annual Convention of Indian Association of Physics Teachers, at Ranchi (Jharkhand).
2. Participated in National Conference on Nanomaterials at Vivekanand College, Kolhapur on 21 Aug. 2018.
3. Participated in All India pxalima~ sammaolana, Karad on 23, 24 Nov. 2018.
4. Participated in One Day Workshop on "Choice Based Credit System" of Shivaji





University, Kolhapur held at Yashwantrao Chavan Institute of Science, Satara on 05 July 2018.

**vii) Dr. A. V. Mali**

1. Attended and paper presented In International Conference Organised by Yashwantrao Chavan Warana Maavidyalaya, Warangar. On 7th Feb. 2019.
2. Participated in IARP workshop on 'Beneficial Effects of Radiation and Indian Nuclear Energy Program" conducted by IARP, Mumbai in collaboration with Yashwantao Chavan College of Science, Karad on 15th Sept. 2018.
3. Attended one day workshop on the revised syllabus on 16th Aug. 2018 at Jayshingpur College Jayshingpur.

**viii) Mr. R. S. Patil**

1. Attended and paper presented In International Conference Organised by Yashwantrao Chavan Warana Maavidyalaya, Warangar. On 7th Feb. 2019.
2. Attended and paper presented In National Conference Organised by Willingdon College Sangli on 13th Feb. 2019.
3. Participated in IARP workshop on 'Beneficial Effects of Radiation and Indian Nuclear Energy Programme" conducted by IARP, Mumbai in collaboration with Yashwantrao Chavan College of Science, Karad on 15th Sept. 2018.

**ix) Mr. G. B. Dhake**

1. Attended and paper presented In the International Conference Organized by Yashwantrao Chavan Warana Maavidyalaya, Warangar, On 7th Feb. 2019.
2. Participated in the IARP workshop on 'Beneficial Effects of Radiation and Indian Nuclear Energy Program" conducted by IARP, Mumbai in collaboration with Yashwantrao Chavan College of Science, Karad on 15th Sept. 2018.

**x) Patil M. S.**

3. Attended National Seminar on "Understanding College Administrative Work Culture in the Present Context" on 24 April 2018 at Mahavir Mahavidyalaya, Kolhapur.
4. Attended workshop on "Knowledge Management in Digital Environment" on 24th December 2018 - 28th December 2018 at Govt. College of Engineering, Karad.





## 12) IQAC

a. IQAC meetings (1 June 2018-31 May 2019): 03

b. IQAC Activities

All the activities in the college are conducted under the IQAC of the college.

### A. Conference/Seminar/Workshop/webinar organized

Sr. No.	Name of Activity	Date	Number of Participants
1	Tree plantation- sponsored by Govt. of Maharashtra	01-Jul-2018	47
2	Science seminar - Botany dept.	13-Aug-2018	72
3	Science seminar	13-Aug-2018	142
4	Workshop on new changed syllabus of B.Sc. I Microbiology	14-Aug-2018	65
5	Workshop on new changed syllabus of B.Sc. I Physics	20-Aug-2018	69
6	Science seminar- Use of statistics in administration	24-Aug-2018	60
7	Lead college activity- common activity	29-Aug-2018	112
8	Science seminar- - World of scientists - Dr. V. N. Shinde	08-Sep-2019	81

### B. Competitions/Events:

Sr. No.	Name of Activity	Date	Number of Participants
1	Online registration of Green Army	12-Sep-2018	467
2	Blood donation camp	17-Sep-2018	100

### C. Celebration of International Days-

- 1) World Health Day: 7 April 2019
- 2) World Earth Day: 22 April 2019
- 3) International Day of Biological Diversity: 22 May 2019
- 4) World Environment Day: 5 June 2018



- 5) International Day of Yoga: 21 June 2018
- 6) World Ozone Day: 16 September 2018
- 7) World Science Day: 10 November 2018
- 8) International Forest Day: 21 March 2019

**D. Celebration of National Days-**

- 1) Independence Day: 15 August 2018
- 2) Sadhabhavana Day: 20 August 2018
- 3) National Sports Day: 29 August 2018
- 4) Teacher Day: 5 September 2018
- 5) Vachan Prerna Din :15 Oct. 2018
- 6) National Integration Day: 31 October 2018
- 7) Student Day: 7<sup>th</sup> Oct. 2018
- 8) Constitution Day: 26 November 2018
- 9) National Mathematics Day: 22 December 2018
- 10) Republic Day: 26 January 2019
- 11) National Science Day: 28 February 2019

**E. Celebration of Birth/Death Anniversary**

- 1) Sau. Venutai Chavan Death Anniversary: 1 June 2018
- 2) Rajmata Jejau Death Anniversary: 17 June 2018
- 3) Chatrapati Shahu Maharaj Birth Anniversary: 26 June 2018
- 4) Swargiy P. D. Patil Birth Anniversary: 1 July 2018
- 5) Lokmanya Tilak Birth Anniversary: 23 July 2018
- 6) Dr. A. P. J. Kalam Death Anniversary: 27 July 2018
- 7) Lokmanya Tilak Birth Anniversary and Annabhau Sathe Birth Anniversary: 1 August 2018
- 8) Swargiy P. D. Patil Death Anniversary: 17 September 2018





9) Mahatma Gandhi Birth Anniversary and Lal Bahadur Shastri Birth Anniversary:

2 October 2018

10) Dr. A. P. J. Kalam Birth Anniversary: 15 October 2018

11) Vallabhbhai Patel Birth Anniversary and Indira Gandhi Death Anniversary:

31 October 2018

12) Swargiy Yashwantrao Chavan Death Anniversary: 25 November 2018

13) Mahatma Phule Death Anniversary: 28 November 2018

14) Dr. Babasaheb Ambedkar Death Anniversary: 6 December 2018

15) Sau. Savitribai Phule Birth Anniversary: 03 January 2019

16) Lal Bahadur Shastri Death Anniversary: 11 January 2019

17) Swami Vivekanand Birth Anniversary and Rajmata Jijabai Birth Anniversary:

12 January 2019

18) Netaji Subhashchandra Bhos Birth Anniversary: 23 January 2019

19) Mahatma Gandhi Death Anniversary: 30 January 2019

20) Sau. Venutai Chavan Death Anniversary: 2 February 2019

21) Shivjayanti: 19 February 2019

22) Swatantryaveer Savarkar Death Anniversary: 26 February 2019

23) Sau. Savitribai Phule Death Anniversary: 03 January 2019

24) Swargiy Yashwantrao Chavan Birth Anniversary: 12 March 2019

**13) Placement:**

Organization of the campus interview of the IPRO tech. Kolhapur.



**Principal,  
Yashwantrao Chavan College  
of Science, Karad**

Estd.

1958



Shri Shivaji Education Society's,  
Board for Higher Education's Vidyanagar Karad



## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

### Annual Report 2019-2020

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#### 4) **Results 2022-23**

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2324	B. Sc. III	547	547
2325	B. Sc. Cs. Entire III	47	47
205	M.Sc. II	66	66

#### 5) **Teaching Staff:**

Sanction Grantable Post:	67
Permanent:	16
Vacant Post:	51
Adhoc/Temporary	Grantable: 94
	Non-grantable: 17





**6) Non-Teaching Staff:**

<b>Sanction Grantable Post:</b>	99
<b>Permanent:</b>	41
<b>Vacant Post:</b>	58
<b>Temporary:</b>	Nil

**7) College Publication**

**I. Magazine Title:** Yashwant (61<sup>st</sup>)

**II. Publisher** Principal Dr. S. B. Kengar

**III. Chief Editor:** Dr. S. H. Burungale

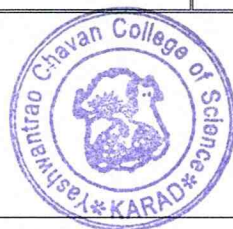
**8) Research Paper Publications**

Sr. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal ISSN number
1	Antimicrobial activity of biosynthesized silver nanoparticles decorated silica nanoparticles	S. V. Otari, S. K. S. Patel, S-Y. Kim, J. R. Haw, V. C. Kalia, I-W. Kim, J-K. Lee	Microbiology	Indian Journal of Microbiology 0973-7715
2	Prospects of genomic resources available at the global databases for the flora of United Arab Emirates.	Jamdade, R. A., Mahmoud, T., & Gairola, S.	Zoology	3Biotech 2190-5738
3	A green tactic for the synthesis of classical 3, 3-bisindolylmethanes in waste curd water	Rajput, JD; Koli, SH; Mohite, BV; Bendre, R; Patil, SV; Patil, VS;	Microbiology	SN Applied Sciences 2523-3971
4	Production and characterization of multifacet exopolysaccharide from an agricultural isolate, <i>Bacillus subtilis</i>	Mohite, BV; Koli, SH; Rajput, JD; Patil, VS; Agarwal, T; Patil, SV;	Microbiology	Biotechnology and Applied Biochemistry 470-8744
5	Prospective of <i>Monascus</i> pigments as an additive to commercial sunscreens	Koli, SH; Suryawanshi, RK; Mohite, BV; Patil, SV;	Microbiology	Natural Product Communications 1555-9475
6	A novel FRET probe for determination of fluorescein sodium in aqueous solution: Analytical	Dhanshri V. Patil, Vishal S. Patil	Chemistry	Indian Journal of Chemistry: Section A, 59A 0975-0975





7	Enhanced saccharification and fermentation of rice straw by reducing the concentration of phenolic compounds using an immobilized enzyme cocktail	V. Kumar, S. K. S. Patel, R. K. Gupta, S. V. Otari, H. Gao, J-K. Lee, L. Zhang	Microbiology	Biotechnology Journal 1860-7314
8	Co-generation of hydrogen and electricity from biodiesel process effluents	S. Kondaveeti, I-W Kim, S. V. Otari, S. K.S. Patel, R. Pagolu, V. LoSETty, V. C. Kalia, J-K Lee	Microbiology	International Journal of Hydrogen Energy 0360-3199
9	Rapid and Size- Controlled Biosynthesis of Cyto compatible Selenium Nanoparticles by Azadirachta indica Leaves Extract for Antibacterial Activity	N. A. Mulla, S. V. Otari, R. A. Bohara, H. M. Yadav, S. H. Pawar	Microbiology	Materials Letters 1873-4979
10	One-step hydrothermal synthesis of magnetic rice straw for effective lipase immobilization and its application in esterification reaction	S.V. Otari, S. K.S. Patel, V. C. Kalia, J-K. Lee	Microbiology	Bioresource technology 1873-2977
11	Binder free lanthanum doped manganese oxide graphene oxide composite as high energy density electrode material for flexible symmetric solid-state supercapacitor	V. J. Mane, D. B. Malavekar, S. B. Ubale, R. N. Bulakhe, I. In, C. D. Lokhande	Chemistry	Electrochemical Acta 0001-5164
12	Electrochemical behavior of hydrothermally synthesized porous groundnuts-like samarium oxide thin films	S. B. Ubale, T. T. Ghogare, V. C. Lokhande, T. Ji, C. D. Lokhande	Chemistry	SN Applied Sciences 2523-3963
13	Evaluation Of In-Vitro Anti-Bacterial and Cytotoxic Activity of Leea Macrophylla	Prakash M. Somade, Atul R. Chopade , Pramod A. Patil and Suryakant B. Kengar	Zoology	International Journal of Pharmaceutical Sciences and Research 2320-5148
14	Manganese dioxide thin films deposited by chemical bath and successive ionic layer adsorption and reaction deposition methods and their supercapacitive performance	V. J. Mane, D. B. Malavekar, S. B. Ubale, V. C. Lokhande, C. D. Lokhande,	Chemistry	Inorganic Chemistry Communications 1387-7003





15	I am not human at all!	Arvind T. Jadhav	English	Indian Literature 0019-5804
16	Fluorescence resonance energy transfer from pyrene nanoparticles to riboflavin: Spectroscopic insights and analytical application	Dhanshri V. Patil, Vishal S. Patil	Chemistry	Indian Journal of Chemistry: Section A, 59A 0975-0975
17	Enhanced energy density of flexible asymmetric solid state supercapacitor device vii fabricated with amorphous thin film electrode materials	D. B. Malavekar, V. C. Lokhande, V. J. Mane, S. B. Ubale, U. M. Patil, C. D. Lokhande	Chemistry	Journal of Physical Chemical Solids 0047-2689

## 9) Faculty Development Programs attended

### 1) Dr. S. H. Burungale:

Participated in the FDP on "Cyber Security" organized by Yashwantrao Chavan College of Science, Karad, (2nd July to 8th July 2019).

### 2) Dr. G. G. Potdar:

- Participated in the FDP on "Cyber Security" organized by Yashwantrao Chavan College of Science, Karad, (2nd July to 8th July 2019).
- Two Weeks Faculty Development Programme on "Managing Online Classes And Co-Creating MOOCS:2.0" from May 18 - June 03, 2020.
- FDP On Multimedia enrichment e-content Development on 21/05/2020 to 26/05/2020

### 3) Dr. S. A. Kirtane:

Participated in the FDP on "Cyber Security" organized by Yashwantrao Chavan College of Science, Karad, (2nd July to 8th July 2019).

### 4) Dr. B.E. Mahadik:

Participated in the FDP on "Cyber Security" organized by Yashwantrao Chavan College of Science, Karad, (2nd July to 8th July 2019).

### 5) Mr. A. A. Mulla:

- Participated in the FDP on "Cyber Security" organized by Yashwantrao Chavan College of Science, Karad, (2nd July to 8th July 2019).
- Two Weeks Faculty Development Programme on "Managing Online Classes And Co-Creating MOOCS:2.0" from May 18 - June 03, 2020.



**6) Dr. A.T. Jadhav:**

Participated in the FDP on "Cyber Security" organized by Yashwantrao Chavan College of Science, Karad, (2nd July to 8th July 2019).

**7) Mrs. S.G. Padyal:**

Participated in the FDP on "Cyber Security" organized by Yashwantrao Chavan College of Science, Karad, (2nd July to 8th July 2019).

**8) Shri. N.V. Thorat:**

Participated in the FDP on "Cyber Security" organized by Yashwantrao Chavan College of Science, Karad, (2nd July to 8th July 2019).

**9) Mrs. A. S. Deshmukh:**

Participated in the FDP on "Cyber Security" organized by Yashwantrao Chavan College of Science, Karad, (2nd July to 8th July 2019).

**10) Mrs. A. V. Nalawade:**

Participated in the FDP on "Cyber Security" organized by Yashwantrao Chavan College of Science, Karad, (2nd July to 8th July 2019).

**11) Mr. T. J. Shaikh:**

Attended Short term of 7 days, Faculty Development Programme on Cyber Security conducted by Faculty development centre, Shivaji University, Kolhapur and hosted by Yashwantrao Chavan college of Science, Karad from 2nd to 8th July 2019.

**10) Faculty Exchange Programs:**

**1) Dr. J. U. Patil:**

Invited as Resource Person for One Day Workshop on "Basics in Medical Microbiology & Immunology", Organized by Department of Microbiology, Dahiwadi College Dahiwadi, on 4th February 2020 Under Lead College Activity.

**2) Dr. Avinash A. Raut**

- a) Delivered a guest lecture as a Resource person on "Microbial Ecology" at the Department of Microbiology, Miraj Mahavidyalaya, Miraj.
- b) Delivered a guest lecture as a Resource person on "Impact of GM foods on human health" at the Department of Biotechnology, Sadgure Gadage Maharaj College, Karad on 12th February 2020.

**3) Dr. A. T. Jadhav**

Resource Person, Two Day International Symposium on "Reflections on Mahatma Gandhi: The Global





Perspectives" to be held at Department of English, Rashtrasant Tukdoji Maharaj Nagpur University on 4 and 5 March 2020.

**4) Dr. Kirtane S. A.**

- a) Worked as Resource person for one day workshop on "Cocoon handicrafts" organized under Lead college activity on 16/01/2020 by Balasaheb Desai College, Patan, Dist. Satara.
- b) Worked as Resource person for one day workshop on "Cocoon handicrafts" organized under Lead college activity on 28/08/2019 by Department of Zoology, Yashwantrao Chavan Institute of Science, Satara.
- c) Delivered guest lecture on the topic "Fungi: An Important Group of Plants" on 23/09/ 2019 (3.30pm to 5.00pm) at Balasaheb Desai College, Patan, Dist. Satara.
- d) Delivered guest lecture on the topic "Fungi: An Important Group of Plants" on 23/09/ 2019 (11.30am to 1.00pm) at Smt. Vijayadevi Desai Science Commerce Junior and Senior College, Daulatnagar, Marali Dist. Satara.

**5) Mrs. Varsha Suprit Yadav**

- a) Served as a resource person and delivered lecture on "Intellectual Property Rights" in Matoshri Bayabai Shripatrao Kadam Kanya Mahavidyalaya, Kadegaon on 19<sup>th</sup> October 2019.
- b) Served as resource person and delivered a lecture on "Cellular communication" in Matoshri Bayabai Shripatrao Kadam Kanya Mahavidyalaya, Kadegaon on 22 February 2020. iii) Attended A two-day National Seminar on Research Outlook: Innovative Practices Organized by S.G.M. College, Karad on 28 & 29 February 2020.

**6) Miss. Ravisha Dada Namdas**

Served as resource person and delivered lecture on Dark Reaction in Photosynthesis in Sadguru Gadage Maharaj College, Karad on 09th January 2019.

**11) Faculty Participation in conference/seminars/workshops/LIC/others,**

**1) Dr. S.H. Burungale**

- a) Participated in One day workshop on Next Step career guidance program organized by R. I. T. Sakharae on 28 Jan 2019.
- b) Participated in One day National Conference on Advances in Chemical Sciences organized by department of chemistry, Yashwantrao Chavan College of Science, Karad on 8th Jan.2020.
- c) Participated in One day workshop on revised Syllabus in chemistry, B. Sc. part-II (CBCS) Sem. -III Paper-VI (DSC-C4) Industrial Chemistry at L. B. S. College, Satara on 5th Sept. 2019.
- d) Participated and paper presented in International Conference on Recent Advantages in Physical and



chemical Science at Sangola College, Sangola on Sythesis of Spinal Copper Manganese ferrite by Auto Combustion method on 22 January 2020

**2) Dr. A. V. Mali**

- a) Participated in One day workshop on Next Step career guidance program 28 Jan 2019.
- b) Participated in One day National Conference on Advances in Chemical Sciences organized by department of chemistry, Yashwantrao Chavan College of Science, Karad on 8th Jan.2020.
- c) Participated and paper presented in International Conference on Recent Advantages in Physical and chemical Science at Sangola College, Sangola on Sythesis of Spinal Copper Manganese ferrite by Auto Combustion method on 22 January 2020.
- d) Participated and paper presented in Two days National Conference on Emerging Trends in Pharmaceutical Chemisty 2020 on Pharmaceutical applications of metal oxides organized by D.B.F. Dayanand College of Arts and Science, Solapur on 24th and 25th January 2020.
- e) Successfully completed 4 June to 1 September 2019, 90 days PRCN/166 course for Lieutenant Rank conducted by DGNCC at OTA Kamptee, Nagpur

**3) Mr. A. N. Bhingare**

- a) Participated in One day National Conference on Advances in Chemical Sciences organized by department of chemistry, Yashwantrao Chavan College of Science, Karad on 8th Jan.2020
- b) Participated in One day workshop on revised Syllabus in chemistry,B. Sc. part-II (CBCS) Sem. -III Paper-VI (DSC-C4) Industrial Chemistry at L. B. S. College, Satara on 5th Sept. 2019.

**4) Dr. R.S. Patil**

- a) Participated in One day National Conference on Advances in Chemical Sciences organized by Department of Chemistry, Yashwantrao Chavan College of Science, Karad on 8th Jan.2020
- b) Attended syllabus work Shop of M. Sc. I in Willingdon College Sangli.

**5) Dr. B. E. Mahadik**

Participated in One day National Conference on Advances in Chemical Sciences organized by Department of Chemistry, Yashwantrao Chavan College of Science, Karad on 8th Jan.2020.

**6) Mr. G. B. Dhake**

Participated in One day National Conference on Advances in Chemical Sciences organized by Department of Chemistry, Yashwantrao Chavan College of Science, Karad on 8th Jan.2020

**7) Dr. S. D. Jadhav**

- a) Completed online course "Air Pollution a Global Threat to our Health" conducted by Copenhagen





University, Denmark.

- b) Participated in One day workshop on Next Step career guidance program organized by R. I. T. Sakharae on 28 Jan. 2020.
- c) Participated in One day National Conference on Advances in Chemical Sciences organized by Department of Chemistry, Yashwantrao Chavan College of Science, Karad on 8th Jan.2020.

**8) Dr. U. P. Lad**

Participated in One day National Conference on Advances in Chemical Sciences organized by Department of Chemistry, Yashwantrao Chavan College of Science, Karad on 8th Jan.2020.

**9) Mr. S. D. Karande**

- a. Participated in One day National Conference on Advances in Chemical Sciences organized by Department of Chemistry, Yashwantrao Chavan College of Science, Karad on 8th Jan.2020.
- b. Attended Two Days International Conference on Cancer Biology: Basic Science 2098-2020 Science to Translational Research, Organized by the Department of Stem Cell and on 17-18 January Regenerative Medicine and D. Y. Patil Medical College, Kolhapur, 2020.

**10) Dr. J. U. Patil**

- a. Attended Two Days International Conference on Cancer Biology: Basic Science 2098-2020 Science to Translational Research, Organized by the Department of Stem Cell and on 17-18 January Regenerative Medicine and D. Y. Patil Medical College, Kolhapur, 2020.
- b. Attended Workshop on Revised Syllabus of B.Sc II, organized by the Department of Microbiology, Dr. Patangrao Kadam Mahavidyalay Sangli.

**11) Dr. Avinash A. Raut**

Published research article: Mamata P. Abhyankar, Tanaji B. Sawant, Arif A. Mulani, Geetanjali S. Patil, Suryakant S. Wadkar, Avinash A. Raut (2019) Biocontrol of biofilm produced by Pseudomonas aeruginosa using extremely halophilic Marine bacteria isolated from Malvan region. e Chronicon Microbiology 15.6.

**12) Dr. V. I. Kalamade**

Participated & chaired the session in National conference at Arts, Science college, Burli (Ramanand nagar) on 17/1/2020

**13) V. V. Pawar**

Attended - B.Sc.- II Revised syllabus Workshop at Islampur on 14 Sept, 2019



**14) P. C. Yadave**

Attended B. Sc. II Revised syllabus Workshop at Peth-vadgav on 24 Aug 2019

**15) A. R. Padule**

Attended Animal Tissue culture Six-day workshop at S. P. College, Pune from 9 Dec. 2019 to 14 Dec. 2019

**16) S. D. Patil**

Attended Animal Tissue culture Six-day workshop at S. P. College, Pune from 9 Dec. 2019 to 14 Dec. 2019

**17) D. S. Sankpal**

Attended Animal Tissue culture Six day workshop at S. P. College, Pune from 9 Dec. 2019 to 14 Dec. 2019 b

**18) D. S. Narule**

- a) Attended Animal Tissue Culture Six-day workshop at S. P. College, Pune from 9 Dec. 2019 to 14 Dec. 2019.
- b) Attended B.Sc. II Revised Syllabus Workshop on 24 Aug. 2019 at Peth Vadgav.

**19) Dr. B. P. Relekar**

- a) Elected as Member of Sectional Committee of the Physical Sciences for 2020 – 21 (108th Session of the Indian Science Congress).
- b) Participated and presented paper (poster) in 107th session of Indian Science Congress at Bangalore.
- c) Participation in Workshop on Students Council Elections, YCIS Satara, 05 July 2019 v) Participation in One Day National Workshop on New Spirit of Assessment and Accreditation, Jaysingpur College, Jaysingpur, 20 July 2019
- d) One day workshop on IPR Department of Mathematics

**20) Tamboli H. D.**

Attended One day workshop on the revised syllabus of Real Analysis (BSc 2nd year) at Balasaheb Desai College, Patan.

**21) Salunkhe S. S.**

Attended One day workshop on the revised syllabus of Real Analysis (BSc 2nd year) Department of Statistics.





**22) Miss. P. B. Sankpal**

- a) Evaluator in conducting Statistics oral quiz Lal Bahadur Shastri College, Satara on 19 Jan. 2020. ii) One day workshop on revised syllabus (CBCS) in Statistics at B.Sc-II, Sem-V at Adarsh College, Vita.
- b) Participated in One day workshop on revised syllabus (CBCS) in Statistics at B.Sc- II, Sem-IV Organized by Dattajirao Kadam Arts, Science and Commerce College, Ichalkaranji

**23) Miss A. A Rawate**

- a) Participated in One day workshop on the revised syllabus (CBCS) in Statistics at B.Sc- II, Sem-IV Organized by Dattajirao Kadam Arts Science and Commerce College, Ichalkaranji
- b) Participated One day workshop on the revised syllabus (CBCS) of Computer Science (Entire) B.Sc.- Part-II (Sem-III)

**24) Miss Khochare P.T.**

Participated in One day workshop on the revised syllabus (CBCS) in Statistics at B.Sc- II, Sem-IV Organized by Dattajirao Kadam Arts, Science and Commerce College, Ichalkaranji

**25) Miss Mohite A.V.**

Participated in One day workshop on revised syllabus (CBCS) in Statistics at B.Sc-II, Sem- IV Organized by Dattajirao Kadam Arts, Science and Commerce College, Ichalkaranji

**26) Miss Jadhav S. K.**

- a) Participated in One day workshop on the revised syllabus (CBCS) in Statistics at B.Sc- II, Sem-IV Organized by Dattajirao Kadam Arts, Science and Commerce College, Ichalkaranji
- b) Participated in One day workshop on revised syllabus (CBCS) of Computer Science (Entire) B.Sc.-Part-II (Sem-III)

**27) Miss Patil R.V.**

- a) Participated in One day workshop on revised syllabus (CBCS) in Statistics at B.Sc- II, Sem-IV Organized by Dattajirao Kadam Arts, Science and Commerce College, Ichalkaranji
- b) One day workshop on revised syllabus (CBCS) in Statistics at B.Sc-II, Sem-V.

**28) Shri A. A. Mulla**

- a) Attended one day workshop on "College Students Council's" organized by Yashwantrao Chavan Institute of Science, Satara (Dtd. 29 June 2019)
- b) Attended one day workshop on "Revised Syllabus of B.Sc. Part-II Electronics" organized by Yashwantrao Chavan College of Science, Karad (Dtd. 21st August 1992019).



**29) Miss J. S. Nalwade**

Attended one day workshop on "Revised Syllabus of B.Sc. Part-II Electronics" organized by Yashwantrao Chavan College of Science, Karad (Dtd. 21st August 2019)

**30) Miss. A.S. Deshmukh**

Attended one day workshop on "Revised Syllabus of B.Sc. Part-II Electronics" organized by Yashwantrao Chavan College of Science, Karad (Dtd. 21st August 2019)

**31) Miss. S. A. Patil**

Attended one day workshop on "Revised Syllabus of B.Sc. Part-II Electronics" organized by Yashwantrao Chavan College of Science, Karad (Dtd. 21st August 2019)

**32) Mrs. Nalawade A.V.**

Participation in one day workshop on "Revised Syllabus of CS(Entire) BSC-II(Sem- III as a organizing member on 23rd Aug 2019 at Yashwantrao Chavan College of Science, Karad

**33) Mrs. Padyal S. G.**

Participation in one day workshop on "Revised Syllabus of CS(Entire) BSC-II(Sem- III as a organizing member on 23rd Aug 2019 at Yashwantrao Chavan College of Science, Karad

**34) Miss. Jadhav M. S.**

Participation in one day workshop on "Revised Syllabus of CS(Optional) BSC-II (Sem- III as a organizing member on 23rd Aug 2019 at Yashwantrao Chavan College of Science, Karad

**35) Miss. Jirange A. G.**

Participation in one day workshop on "Revised Syllabus of CS(Optional) BSC-II(Sem- III as an organizing member on 23rd Aug 2019 at Yashwantrao Chavan College of Science, Karad

**36) Dr. A. T. Jadhav**

- a) Attended the "Research Methodology Course" at the Department of English, Shivaji University, Kolhapur on 18th January 2020.
- b) Attended a One-Day Faculty Development Program on "E-Content Development" at Professor Sambhajirao Kadam College, Deur.
- c) Attended "Two-Day NAAC-IQAC Workshop" at SGM College, Karad on 4 and 5 February 2020.
- d) Participated in Two day National Seminar on RAF of NAAC: A Paradigm Shift held on 4th and 5th February 2020 organized by Sadguru Gadage Maharaj College, Karad.
- e) Attended one day National Workshop on New Spirit of Assessment and Accreditation Process held on 20th July 2019 at Jaysingpur College, Jaysingpur.





- f) Participated in One day National Workshop on Submission of Online AQAR under revised NAAC guidelines organized by Sardar Babasaheb Mane Mahavidyalaya, Rahimatpur on 11th October 2019.

**37) Dr. Kirtane S. A.**

- a) Research paper published: Comparative studies on the effectiveness of traditional and chemical methods for dormancy breaking and germination of Solanum khasianum seeds. International Conference on- Emerging trends in delivery of phytoconstituents and Ethnopharmacology validation of Traditional Medicine II, Organized by Poona College of Pharmacy, Bharti Vidyapeeth, Pune on 29th 30th Nov. 2019. 1st Prize- for Poster presentation
- b) Studies on the effect of vermicompost extract on seed germination and seedling growth of cockscomb (celosia argentea var. Cristata). National Conference on Recent trends in Life Sciences (RTLS-19) organized by Vidnyan Mahavidyalaya, Sangola on 14th Dec. 2019.
- c) Physiological Effect of Aloe vera leaf phytochemicals on seed germination and seedling vigour of Celosia argentea var. cristata National Conference on -Advances in Chemical Science organized by Yashwantrao Chavan College of Science, Karad on 8th Jan. 2020.
- d) Physiological Effect of Aloe vera leaf phytochemicals on seed germination and seedling vigour of Celosia argentea var. cristata National Conference on Interdisciplinary Approaches in Life Sciences (NCIALS-2020) on 2nd - 3rd Feb. 2020 organized by Yashwantrao Chavan Institute of Science, Satara.

**38) Miss. Ravisha Dada Namdas**

Attended A two-day National Seminar on Research Outlook: Innovative Practices Organized by S.G.M. College, Karad on 28 & 29 February 2020.

**39) Miss. A. H. Pawar**

Attended A two-day National Seminar on Research Outlook: Innovative Practices Organized by S.G.M. College, Karad on 28 & 29 February 2020.

**40) Miss. S. S. Lawand**

Attended A two-day National Seminar on Research Outlook: Innovative Practices Organized by S.G.M. College, Karad on 28 & 29 February 2020.

**41) Mr. R. R. Jangam**

Attended A two-day National Seminar on Research Outlook: Innovative Practices Organized by S.G.M. College, Karad on 28 & 29 February 2020.

**42) Mr. T. J. Shaikh**

- a) Shaikh TJ & Potdar G G. 2019. Taxonomic account of genus Dichanthium (Poaceae) for India. in 29th



IAAT: Annual Conference and National Symposium on Modern Trends in Biosystematics of Angiosperms organized by Jawaharlal Nehru Tropical Botanic Garden and Research Institute Palode, Thiruvananthapuram, Kerala jointly with Birbal Sahni Institute of Paleosciences Lucknow, UP. (11th to 13th November 2019)

- b) Shaikh T J, Potdar G G, Patil J U & Kale R R. 2019. Anti-bacterial activities of *Bothriochloa bladhii* and *B. woodroovii*. Conf. Recent Advance in Traditional Medicine, Medicinal Plant, and Phytochemistry, organized by Ahmednagar College, Ahmednagar in collaboration with AIMST University, Malaysia. (08th and 09th February 2019)
- c) Attended One day national workshop on Intellectual property Rights organized by Yashwantrao Chavan College of Science, Karad in collaboration with Shivaji University, Kolhapur (27th December 2019).
- d) Attended One one-day workshop on Techniques for extraction and quantification of plant metabolites Organized by the Department of Botany and RUSA, Shivaji University, Kolhapur. (22nd June 2019).
- e) Attended One day workshop on Plant Nomenclature conducted by Dr. Kanchi N. Gandhi (22nd March 2019).

## 12) IQAC

- 1) IQAC meetings (1 June 2021-31 May 2022): 04
- 2) IQAC Activities

All the activities in the college are conducted under the IQAC of the college.

### A. Conference/Seminar/Workshop/webinar organized

Sr. No.	Name of Activity	Date	Number of Participants
1	Science Seminar Department of Microbiology	07-Feb-2020	50
2	Baik rally to make awareness among the society about Forest Fire	06-Feb-2020	56
3	One day National Workshop on Intellectual Property Rights organized by Microbiology Department	27-Dec-2019	27
4	One day Workshop on Revised CBCS) syllabus of B.Sc. Part-II Geology	26-Sep-2019	16
5	One-day Workshop on Revised (CBCS) syllabus of B.Sc. Part-II - Biotechnology (Opt./Voc)	23-Aug-2019	12





6	One-day Workshop on Revised syllabus of CS (Entire) B.Sc. Part-II	23-Aug-2019	29
7	One day Workshop on Revised syllabus of CS (Optional) B.Sc. Part-II	23-Aug-2019	49
8	One day Workshop on Revised syllabus of B.Sc. Part-II Electronics	21-Aug-2019	73
9	One day Workshop on Revised syllabus of B.Sc. Part-II Physics	21-Aug-2019	101
10	Faculty Development Program on Cyber Security	02-Jul-2019	47

#### B. Competitions/Events:

Sr. No.	Title	Number of Participants
1	One crore Tree Plantation Programme of Maharashtra Government.	200
2	Blood Donation Camp.	35
3	NSS Social Service Camp organised at Banawadi, Karad organised during 18th to 24 <sup>th</sup> January 2020	100
4	International Yoga Day	54
5	Ladies Association Committee organised guest lecture on Gender issue of Ms. Vijaya Marotkar, Nagpur on the topic "Pori Jara Japun".	307
6	Swachh Wari, Nirmal Wari and Harit Wari: Dehu-Alandi to Pandharpur Ashadi Yatra	10
7	Swachh Bharat Abhiyan: Campus Cleaning Activity	200
8	Swachh Bharat Abhiyan: Botanical Garden and Playground	200
9	Institution level One Day workshop on Youth and Skill Development	102
10	Lead college activity "Research Methodology, Scientific Paper and Poster Presentation"	140
11	Lead college activity "Modern Techniques in Life Science"	140
12	Microbiome food festival in association with Microbiologist Society of India	215
13	Ladies Association: Navdurga- Jagar Stri shakticha (Discussed the biography of Indian female personalities)	211





**C. Celebration of International Days-**

- 1) World Environment Day: 5 June 2019
- 2) International Day of Yoga: 21 June 2019
- 3) World Ozone Day: 16 September 2019
- 4) World Science Day: 10 November 2019
- 5) International Forest Day: 21 March 2020

**D. Celebration of National Days-**

- 1) Independence Day: 15 August 2019
- 2) Sadhabhavana Day: 20 August 2019
- 3) National Sport Day: 29 August 2019
- 4) Teacher Day: 5 September 2019
- 5) Vachan Prerna Din :15 Oct. 2019
- 6) National Integration Day: 31 October 2019
- 7) Student Day: 7<sup>th</sup> Oct. 2019
- 8) Constitution Day: 26 November 2019
- 9) National Mathematics Day: 22 December 2019
- 10) Republic Day: 26 January 2020
- 11) National Science Day: 28 February 2020
- 12) Maharashtra Day: 1 May 2020

**E. Celebration of Birth/Death Anniversary**

- 1) Sau. Venutai Chavan Death Anniversary: 1 June 2019
- 2) Rajmata Jejau Death Anniversary: 17 June 2019
- 3) Chatrapati Shahu Maharaj Birth Anniversary: 26 June 2019
- 4) Swargiy P. D. Patil Birth Anniversary: 1 July 2019
- 5) Lokmanya Tilak Birth Anniversary: 23 July 2019
- 6) Dr. A. P. J. Kalam Death Anniversary: 27 July 2019
- 7) Lokmanya Tilak Birth Anniversary and Annabhau Sathe Birth Anniversary: 1 August 2019





- 8) Swargiy P. D. Patil Death Anniversary: 17 September 2019
- 9) Mahatma Gandhi Birth Anniversary and Lal Bahadur Shastri Birth Anniversary: 2 October 2019
- 10) Dr. A. P. J. Kalam Birth Anniversary: 15 October 2019
- 11) Vallabhbhai Patel Birth Anniversary and Indira Gandhi Death Anniversary: 31 October 2019
- 12) Swargiy Yashwantrao Chavan Death Anniversary: 25 November 2019
- 13) Mahatma Phule Death Anniversary: 28 November 2019
- 14) Dr. Babasaheb Ambedkar Death Anniversary: 6 December 2019
- 15) Sau. Savitribai Phule Birth Anniversary: 03 January 2020
- 16) Lal Bahadur Shastri Death Anniversary: 11 January 2020
- 17) Swami Vivekanand Birth Anniversary and Rajmata Jijabai Birth Anniversary: 12 January 2020
- 18) Netaji Subhashchandra Bhos Birth Anniversary: 23 January 2020
- 19) Mahatma Gandhi Death Anniversary: 30 January 2020
- 20) Sau. Venutai Chavan Death Anniversary: 2 February 2020
- 21) Shivjayanti: 19 February 2020
- 22) Swatantryaveer Savarkar Death Anniversary: 26 February 2020
- 23) Sau. Savitribai Phule Death Anniversary: 03 January 2020
- 24) Swargiy Yashwantrao Chavan Birth Anniversary: 12 March 2020

**13) Placement:**

1. Organization of the campus interview of the IPRO tech. Kolhapur.



**Principal,  
Yashwantrao Chavan College  
of Science, Karad**



Shri Shivaji Education Society's,  
Board for Higher Education's Vidyanagar Karad



## YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

### Annual Report 2020-21

1) AISHE College ID: C-11076

2) Certification

NAAC 3rd Cycle 2017 CGPA- 2.86 Grade: B++

ISO 9001: 2015

3) Admission for the 2020-21

Program name	Program Code	Number of seats sanctioned	Number of Students admitted
B. Sc.	2324	2280	1480
B. Sc Cs. Entire	2325	240	291
M. Sc.	205	196	188

4) Results 2020-21

Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination
2324	B. Sc. III	492	492
2325	B. Sc Cs. Entire III	87	87
205	M.Sc. II	90	90

5) Teaching Staff:

Sanction Grantable Post:	60
Permanent:	14
Vacant Post:	46
CHB/Temporary	35

6) Non-Teaching Staff:

Sanction Grantable Post:	102
Permanent:	41
Vacant Post:	61
Temporary:	03





**7) College Publication**

- i. Magazine Title:** Yashwant (62<sup>nd</sup>)
- ii. Publisher:** Principal Dr. S. B. Kengar
- iii. Chief Editor:** Dr. A. V. Mali

**8) Research Paper Publications**

Sr. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal ISSN number
1	Chemical synthesis of nano-grained ytterbium sulfide thin films for supercapacitor application	S. B. Ubale, R. N. Bulakhe, V. J. Mane, D. B. Malavekar, I. In, C. D. Lokhande	Chemistry	Applied Nanoscience 1944-8244
2	<i>Chrysopogon shrirangii</i> sp. nov. (Poaceae: Andropogoneae) from Karnataka, India	Shaikh Tarbej, Pooja Mane and Girish Potdar	Botany	Nordic Journal of Botany 0107-055X
3	Conversion of biogas to methanol by methanotrophs immobilized on chemically modified chitosan	S. K. S. Patel, R. K. Gupta, S. Kondaveeti, S. V. Otari, A. Kumar, V. C. Kalia, J-K. Lee	Microbiology	Bioresource technology 1873-2976
4	Envirocat Epzg As A Heterogeneous Catalyst For The Synthesis Of 3,3-Disubstituted Oxindoles	Rahul Patil, Uday Lad, Suresh Shendage and Uttam More	Chemistry	Rasayan Journal of Chemistry 0974-1496
5	Stereospecific Synthesis of (4E,10Z)-4,10-Tetradecadienyl Acetate, the Major Sex Pheromone of Apple Leaf Miner Moth, <i>Phyllonorycter ringoniella</i>	R. Awalekar, Kishor S. Jagadhane et al.	Chemistry	Letters in Organic Chemistry 1875-6255
6	Evaluation Using In-Vitro Assays For Glucose Diffusion And Kinetics Of Amylolysis Of <i>Leea macrophylla</i> Standardized Extracts	Somade Prakash M, Chopade Atul R , Patil Pramod A And Kengar Suryakant B	Zoology	International Journal of Biology, Pharmacy and Allied Sciences 2277-4998
7	Nanostructured CdO-ZnO composite thin films for sensing application	A. K. Sharma, S. S. Potdar, V. S. Patil	Chemistry	Journal of Materials Science: Materials in Electronics 0957-4522
8	Biowaste to biopolymer (polyhydroxyalkanoates) conversion technologies: production strategy, challenges, and perspective	S. K. Bhatia, S. V. Otari, et. al.		Bioresource Technology 0960-8524
9	Composition of Essential Oils in <i>Bothriochloa bladhii</i> from	Tarbej Shaikh, Pooja Mane and Girish	Botany	Bioinfolet 0973-1431





	Maharashtra.	Potdar .		
10	Environmentally Green Synthesis of $\alpha$ -aminophosphonates	Rahul Patil, Shivaji Burungale, Uday Lad, Uttam More	Chemistry	Der Pharma Chemica 0975-413X
11	Optical, electrical and morphological studies of $\beta$ HgS thin film prepared by improved chemical bath deposition technique	KR Sanadi, PD Sanadi, ML Gaur, AV Mali, GS Kamble	Chemistry	Bulletin of material Science 0250-4707
12	Structural, magnetic, and electrical properties of manganese-substituted magnesium chromate spinel structure	SP Deshmukh, KR Sanadi, RS Diggikar, VB Koli, AV Mali	Chemistry	Journal of Materials Science: Materials in Electronics 0957-4522
13	Facile extractive separation studies of uranium (VI) assisted by dicyclohexano-18-crown-6 through green approach	Shivaji H. Burungale and Sunil B. Zanje	Chemistry	Journal of Radioanalytical and Nuclear Chemistry 0236-5731
14	A high performance flexible solid-state asymmetric supercapacitor based on composite of reduced graphene oxide@ dysprosium sulfide nanosheets and manganese oxide nanospheres	P. P. Bagwade, D. B. Malavekar, T. T. Ghogare, S. B. Ubale, V. J. Mane, R. N. Bulakhe, I. In, C. D. Lokhande	Chemistry	Journal of Alloys & Compound 0925-8388
15	Lanthanum sulfide-manganese sulfide/graphene oxide ( $\text{La}_2\text{S}_3$ -MnS/GO) composite thin film as an electrocatalyst for oxygen evolution reactions	V. J. Mane, S. B. Kale, S. B. Ubale, V. C. Lokhande, U. M. Patil, C. D. Lokhande	Chemistry	Journal of Solid-State Electrochemistry 1432-8488
16	SILAR synthesized nanostructured ytterbium sulfide thin film electrodes for symmetric supercapacitors	S. B. Ubale, S. B. Kale, V. J. Mane, P. P. Bagwade, C. D. Lokhande	Chemistry	Journal of Solid-State Electrochemistry 1432-8488
17	Green And Sustainable Synthesis of Silica Nanoparticles	Sudip D. Karande, Shivaji H. Burungale	Chemistry	Nanotechnology for Environmental Engineering 2365-6387
18	<i>Capillipedium yashwantraoi</i> , a new species of Poaceae from Madhya Pradesh, India.	Tarbej and Girish Potdar	Botany	Phytotaxa 1179-3163

#### 9) Paper/poster Presented in Conferences/seminars:

##### i. Tarbej Shaikh

1. Mane Pooja and Potdar Girish (2021) Investigation of essential oil composition of *Bothriochloa bladhii* from Maharashtra, India. in International e- Conference on Conservation of wild Taxa: Present Scenario, organized by Department of Botany,





Shri Yashwantrao Patil Science College, Solankur (MS) India(05<sup>th</sup> February 2021).

**ii. Sushama Anandrao Kirtane**

1. Sacred groves: Conservation of Medicinal Plants. In: National Virtual Conference On 'Biodiversity & Sustainable Development' Organized by R. P. Gogate College of arts and science and R. V. Joglekar College of Commerce, Ratnagiri on 5th-6th June 2020. (Paper presentation)
2. Improvement in nutritional quality of pulse crop through induced mutation. (Poster Presentation) In: Online One Day International Conference on "Recent Trends in Plant Sciences" organized by Aadivasi Seva Sahayyak & Shikshan Prasharak Sanstha's Shri D.H. Agrawal Arts, Shri Rang Aavadhoot Commerce & Shri C.C. Shah & Shri M.G. Agrawal Science College Navapur Dist. Nandurbar, Maharashtra, India on 15th May 2020.

**iii. A. A. Mulla**

1. Presented paper entitle "Simulation of Various Memristors, Models, Characterstics and its Potential Application" in online International Conference on Emerging Trenats and Challanges in Electrions and Computing (ETEC-2021) Orgnatized by Y.C.I.S. Satara. on 4 - 6 March 2021

**10) Faculty Development Programs attended**

**i. Dr. S. H. Burungle**

Completed One Week Pedagogical Training for Teachers on Tools for Online Teaching Learning and Evaluation, from 1<sup>st</sup> July to 6<sup>th</sup> July 2020, organized by School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded.

**ii. Dr. A. V. Mali**

Completed One Week Faculty Development Program (Short Term Course) organized by Post graduate Dept. of Chemistry, Nallamuthu Gounder Mahalingam College Pollachi form 15.5.2020 to 21.5.2020.

**iii. Dr. G. G. Potdar**

One Week Faculty Development Program 'Development and Management of MOOCs and Online Courses using LMS – Moodle' jointly organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, University of Delhi



under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNM TT) of MHRD from 30<sup>th</sup> June 2020 - 4<sup>th</sup> July 2020.

**iv. Dr. G. G. Potdar**

UGC-HRDC sponsored Workshop/Short Term Course on 'Research Methodology' organised by UGC-HRDC, Punjabi University, Patiala from 2-11-2020 to 9-11-2020.

**v. Dr. B. E. Mahadik**

Completed two week refresher course in "Material Science" organized by UGC-HRDC Osmania University, Hyderabad from 1/2/2021 to 13/2/2021

**vi. Dr. S. A. Kirtane**

1. Successfully completed Two Weeks Online Faculty Developed Programme (FDP) on "MANAGING ONLINE CLASSES AND CO- CREATING MOOCS:2.0" from 18.05.2020 to 03.06.2020 organized by Teaching and Learning Centre, Ramanujan College, University of Delhi. (Under PMMMNM TT, Department of Higher Education, MHRD, GoI)
2. Successfully completed Five days Online Faculty Developed Programme (FDP) on "Innovative Teaching Learning Methodologies" from 06.07.2020 To 10.07.2020 organized by TLC- Coimbatore Institute of Technology (Under PMMMNM TT, Department of Higher Education, MHRD, GoI)
3. Successfully completed online One Week Faculty Developed Programme (FDP) from 11.08.2020 to 16.08.2020 on "*Developing Multimedia enriched Powerful Presentations*" organized by Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, University of Delhi (under the PMMMNM TT, Department of Higher Education, MHRD, GoI).

**vii. Dr. A. T. Jadhav**

Participated and successfully completed **95th Online Short Term Course on E-Content Development** during 23/07/2020 to 29/07/2020 organized by UGC – Human Resource Development Centre, Gujarat University, Ahmedabad.

**viii. A. A. Mulla**

Participated in Two Weeks Faculty Development Program on "MANAGING ONLINE CLASSES and CO-CREATING MOOCS: 2.0" organized by TLC Ramanujan College and Delhi University, Delhi under MHRD PMMMNM TT





scheme during 18th May 2020 to 03rd June 2020.

**ix. A. A. Mulla**

Participated in Two Week Online Refresher Course on “Research Methodology : Tools and Techniques” organized by UGC HRDC-Mizoram University, Mizoram during 7th July 2020 to 20th July 2020.

**x. Dr. J. U. Patil**

Completed Online One Week Faculty Development Programme on MOODLE organized by Willingdon College Sangli and Spoken Tutorial IIT Bombay on 23rd – 29th May 2020.

**11) Faculty Exchange Programs**

**1. Dr. S. H. Burungle**

Invited as Resource person for one day workshop on Changed syllabus in B.Sc. III chemistry organized by Bharthi Vidyapeet's Dr. Patangrao Kadam Mahavidyalaya Sangli on 16/2021.

**2. Dr. V. I. Kalamade**

1. Worked as Resource Person for Revised B.Sc. III Syllabus (Paper X) in the Workshop organized by Shivaji University, Kolhapur & D. P. Bhosale College, Koregaon on 31/1/21.
2. Worked as Resource Person for Revised B.Sc. III Syllabus (Paper XIII) in the Workshop organized by Shivaji University, Kolhapur & L.B.S.College, Satara on 10/2/21.

**3. Dr. S. A. Kirtane**

Invited “Chief Guest” of Valedictory Function of “One day workshop of Changed syllabus of B.Sc. III –Botany (Paper: IX & X) organized by M. H. Shinde Mahavidyalaya, Tisangi on 6th Feb. 2021.

**4. Dr. A. T. Jadhav**

Delivered a lecture on SWAYAM and MOOC Courses for faculty at Prof. Sambhajirao Kadam College, Deur on 11 January 2021.

**5. Dr. S. A. Kirtane**

Worked as “Resource person” of One Day National Webinar organized by S. I. C.



E. S. Degree College of Arts, Science and Commerce College, Ambarnath (Affiliated to Mumbai University) on the occasion of “International Women’s Day” 8th March, 2021.

**6. A. A. Mulla**

Worked as a Session Chairman in One Day Online Workshop for Teachers on “Changed Syllabus in Electronics at B.Sc. Part. III Semester VI” organized by DKASC College, Ichalkaranji, Dtd. 11th February, 2021.

**7. A. A. Mulla:**

Worked as a Subject Expert (Electronics) of Local Selection Committee for conducting interviews in PVG’s College of Science, Paravati, Pune Dtd. 13.01.2021.

**8. Dr. J. U. Patil:**

1. Invited as an online guest Lecturer in subject of Microbiology on the topic entitled – Concept of Operon: Lac Operon, Organized by Department of Microbiology, K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare Kurduwadi on 11th February 2021.
2. Invited for an online expert talk on the topic entitled – Cancer: Causes, Symptoms and Treatment, on the occasion of World Cancer Day Organized by Department of Microbiology, Shri Vijaysinha Yadav College Peth Vadgaon, on 4th February 2021.

**vii. Faculty Participation in conference/seminars/workshops/LIC/others,**

**1. Principal Dr. S. B. Kengar**

Worked as Chairman of LIC Committee at Dahiwadi College, Dahiwadi.

**2. Dr. S.H. Burungale**

1. Participation in the National Level Webinar Digital Transformation: eClassrooms & LMS Date: 07<sup>th</sup> July 2020 by Shri. Surupsing Hirya Naik College of Education Navapur, Dist. Nandurba.
2. Participated in One day workshop on Changed syllabus in B.Sc. III chemistry organized by L.B.S. College satara on 17/2/2021.





**3. Dr. A. V. Mali**

1. Participated in One day workshop on Changed syllabus in B.Sc. III chemistry organized by L.B.S. College satara on 17/2/2021.
2. Participated in One day workshop on Changed syllabus in B.Sc. III chemistry organized by Bharthi Vidyapeet's Dr. Patangrao Kadam Mahavidyalaya Sangli on 16/2/2021.

**4. Dr. R.S. Patil**

1. Participated in One day workshop on Changed syllabus in B.Sc. III chemistry organized by L.B.S. College satara on 17/2/2021.
2. Participated in One day workshop on Changed syllabus in B.Sc. III chemistry organized by Bharthi Vidyapeet's Dr. Patangrao Kadam Mahavidyalaya Sangli on 16/2/2021.

**5. Shri. A. N. Bhingare**

1. Participated in One day workshop on Changed syllabus in B.Sc. III chemistry organized by L.B.S. College Satara on 17/2/2021.
2. Participated in One day workshop on Changed syllabus in B.Sc. III chemistry organized by Bharthi Vidyapeet's Dr. Patangrao Kadam Mahavidyalaya Sangli on 16/2/2021.

**6. Dr. B. E. Mahadik**

1. Participated in One day workshop on Changed syllabus in B.Sc. III chemistry organized by L.B.S. College satara on 17/2/2021.
2. Participated in One day workshop on Changed syllabus in B.Sc. III chemistry organized by Bharthi Vidyapeet's Dr. Patangrao Kadam Mahavidyalaya Sangli on 16/2/2021.

**7. Dr. G. G. Potdar**

1. Workshop on "Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop" organized by Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), MHRD, Govt. of India on 23 May 2020.



#### **8. Shri. G.B. Dhake**

1. Participated in One day workshop on Changed syllabus in B.Sc. III chemistry organized by L.B.S. College satara on 17/2/2021.
2. Participated in One day workshop on Changed syllabus in B.Sc. III chemistry organized by Bharthi Vidyapeet's Dr. Patangrao Kadam Mahavidyalaya Sangli on 16/2/2021.

#### **9. Dr. S. A. Kirtane**

1. Participation of One Day Workshop on "Changed syllabus of B.Sc. III- Botany" Paper: XI, XII(9th Feb. 2021) organized by R. B. Madkholkar Mahavidyalaya ,Chandgad,tal-chandgad, Dist.- Kolhapur.
2. Participation of One Day Workshop on "Changed syllabus of B.Sc. III- Botany" Practical Course I and II (11Feb. 2021) Smt. Kasturbai Walchand College, Sangli
3. One Day Workshop on "Changed syllabus of B.Sc. III- Botany" Paper - XIII and XIV (26th Feb. 2021), Dr. Patangrao Kadam Mahavidyalaya, Sangli.
4. Two Days Online National Workshop on "Online Teaching-Learning using LMS - MOODLE" on 24th-25th July 2020 organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi (under the PMMMNMTT, Department of Higher Education, MHRD, GoI).
5. Attended online National Workshop on "Learning Management System: Moodle (Online Mode)" from 27.07.2020 to 01.08.2020 organized by Teaching Learning Centre, Department of Educational Technology SNDT Women's University, Mumbai (under PMMMNMTT, Department of Higher Education, MHRD, GoI.)

#### **10. Dr. J. U. Patil**

1. Participated in One Day Online Workshop on Revised Syllabus of B.Sc. III Microbiology (CBCS Pattern) Course-XII (DSE-E52) Agricultural Microbiology and Practical Course-III on 18th February, 2021 Organized by D. A. B. Naik Arts and Science College Chikhali.
2. Participated in Online Workshop on Revised Syllabus of B.Sc. III Microbiology (CBCS pattern): Course IX DSE E- 49 Virology, Course XIII DSE F- 49 Microbial Genetics & Practical Course I on 11th Feb 2021 Organized by MATOSHRI BAYABAI SHRIPATRAO KADAM KANYA MAHAVIDYALAYA, KADEGAON.
3. Participated in Online Teachers' Training Workshop on "New Changed Syllabus of B.Sc.-





III Microbiology, Paper-XV- DSE F51: Environmental Microbiology” held on 3rd February, 2021.Organized by Department of Microbiology and IQAC Sponsored by Shivaji University,  
Kolhapur

4. Participated in Online Teachers’ Training Workshop on “New Changed Syllabus of B.Sc.-III Microbiology held on 1st February, 2021 Organized by Department of Microbiology Willingdon College Sangli.
5. Invited for an online expert talk on the topic entitled – Cancer: Causes, Symptoms and Treatment, on the occasion of World Cancer Day Organized by Department of Microbiology, Shri Vijaysinha Yadav College Peth Vadgaon, on 4th February 2021.
6. Worked as Organizing Secretary for One Day National Webinar on Living with COVID-19, Organized by IQAC and Department of Microbiology, Yashwantrao Chavan College of Science, on 14th June, 2020.
7. Participated in Faculty Development Programme National Webinar entitled “Women in Higher Education:Issues and Challenges during Corona Pandemic” organized by Guru Angad DevTeaching Learning Centre SGTB Khalsa College, University of Delhi and Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD on 27 May 2020.
8. Participated in ‘Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop’ on 16 May 2020 organized by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India.
9. Participated in Faculty Development Programme National Webinar entitled “Corona Pandemic and Economic Challenges in India” organized by Guru Angad DevTeaching Learning Centre  
SGTB Khalsa College, University of Delhi and Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD on 04 May 2020.
10. Participated in “Mahabridge Webinar on Mobile Based Smart E Content Development for Online Teaching” organized by Knowledge Mahabridge from 15th to 25th April 2020.

#### **11. Shri. T. J. Shaikh**

1. Participated in online workshop on Fundamentals of Intellectual Property Rights and Career Advancement Scheme organized by Arvindbabu Deshmukh Mahavidyalaya,



Barsingi (26<sup>th</sup> May 2020).

2. Participated in online Webinar on Role of Environment for Sustainable Future organized by Department of Botany and IQUA, Dahiwadi College, Dahiwadi (05<sup>th</sup> June 2020).
3. Attended one day seminar entitled 'Science, Environment and Human Health' jointly organized by Guru Angad Dev Teaching Learning centre, SGTB Khalsa College, University of Delhi and Yashwantrao Chavan college of Science, Karad (02<sup>nd</sup> July 2020).
4. Participated in National Webinar entitled 'Contribution of Plants to Fight Against Covid-19' organized jointly by Department of Botany and IQAC, Shri Sidheshwar Mahavidyalaya, Majalgaon (10<sup>th</sup> August 2020).
5. Participated in Online workshop on Plant Nomenclature organized Department of Botany Shivaji University, Kolhapur (1<sup>st</sup> to 5<sup>th</sup> February 2021).

**i. Project Completed:**

- a. **Title:** Studies in Genus *Dichanthium* Willemet (Poaceae) of India
- b. **Name of the Principal Investigator :** Dr. Girish Gajanan Potdar
- c. **Year of Award :** 2017
- d. **Amount Sanctioned :** one Year additional amount is sanctioned 3.4 lakh Rs
- e. **Name of the Funding Agency :** Science and Engineering Research Board (SERB), Department of Science and Technology (DST)

**j. Awards :**

- a. **Jadhav Shailaja Sarjerao :**  
Award Name : First in Yashwantrao Chavan State Level Essay Competitions 2020-21
- b. **Kumbhar Vinayak Maruti :**  
Third in Clay Art District Level Youth Festival 2020-21.

**k. IQAC**

- a. **IQAC meetings (1 June 2020-31 May 2021):** 04
- b. **IQAC Activities**

All the activities in the college are conducted under the IQAC of the college.





**A. Conference/Seminar/Workshop/webinar organized**

<b>Sr. No.</b>	<b>Name of Activity</b>	<b>Keynote Speaker/ Resource Person</b>	<b>Date</b>	<b>Number of Participant</b>
1.	One Day National webinar on "Living With Covid-19"	<b>Dr. Kirtikumar B. Satpute,</b> General Manager QC, Serum Institute of India Pvt. Ltd. Pune  <b>Dr. N. R. Shaikh,</b> Head, PG Department of Microbiology, Yashwantrao Chavan College of Science, Karad	14.06.2020	534
2.	One Day International webinar "Current Perspective of the Microbial Disease- 2020 "	<b>Dr. Amar Yeware,</b> Post Doctorate Associate, Stony Brook University Hospital, Department of Internal Medicine, New York, USA  <b>Dr. Vaibhav Mhaindarker,</b> Protein Biochemist and Molecular Biologist, Reh University Bochum, Germany	05.06.2020	1988
3.	National Webinar Science, Environment and Human Health	<b>Prof A. K. Bakhshi,</b> Chairman, GAD - TLC and VC, PDM University, Haryana  <b>Dr. Vimal Rarh,</b> Project Head and Joint Director, GAD-TLC  <b>Prof. (Dr.) S. D. Kadam,</b> Head, Department of Environment Management Chhatrapati Shahu Institute of Business Education and Research, Kolhapur	02.07.2020	116
4.	National Webinar On Materials for Energy	<b>Prof. Dr. V. B. Patil,</b> Director, School of Physical Sciences, Punyashlok Ahilyadevi Holkar Solapur University, Solapur  <b>Dr. D. D. Shivagan,</b> Principal Scientist & Associate Professor, Head, Temperature & Humidity Metrology CSIR National Physical Laboratory, New Delhi.  <b>Dr. P. M. Shirage,</b> Associate Professor, Metallurgy Engineering & Materials Science, Indian Institute of Technology Indore.	25.07.2020	82





5.	International E-Conference on Chemistry Research & Competencies	<p><b>Prof. Dr. Pramod S. Patil,</b> Head, Department of Physics, Former Dean, Faculty of Science and Technology, Shivaji University, Kolhapur</p> <p><b>Dr. Luciano Carlos,</b> Scientist, Institute of Research and Development in Process Engineering, Biotechnology and Alternative Energies (PROBIEN), Neuquén, Argentina &amp; Assistant Professor National University of Comahue, Argentina.</p> <p><b>Dr. Sushilkumar A. Jadhav</b> Assistant Professor, School of Nanoscience &amp; Technology, Shivaji University Kolhapur.</p>	17.08.2020	264
6.	National E-Conference on Advanced Analytical Techniques	<b>Prof. Dr. Avinash Kumbhar,</b> Department of Chemistry, Savitribhai Phule Pune University, Pune	07 & 08 .09. 2020	167
7.	Webinar on Linux Operating System (State Level)	<b>Shri. Yogesh Babar</b> Technical Support Engineer Red Hat Software Services Pvt. Ltd., Pune.	19.09.2020	258
8.	One day Online Workshop on New Changed Syllabus B.Sc.III (Electronics) Semester-V (University Level)	<p><b>Prof. (Dr.) P. N. Vasambekar</b> Senior Professor and Head, Department of Electronics, Shivaji University, Kolhapur <b>Dr.</b></p> <p><b>A. M. Shaikh</b> Chairman, BOS in Electronics, Shivaji University, Kolhapur &amp; Vice-Principal, The New College, Kolhapur</p> <p><b>Shri. R. S. Deshmukh</b> Former Chairman, BOS in Electronics, Shivaji University, Kolhapur</p> <p><b>Dr. S. K. Rathod</b> Vice-Principal, Smt. Kasturbai Walachand College, Sangli</p> <p><b>Shri. D. R. Dixit</b> Head, Department of Electronics, Sharadchandra Pawar College, Lonand</p>	30.01.2021	54





9.	A One day online Workshop on Revised Syllabus of Computer Science (Optional) Sem. V Paper- Python Programming (Part-I) (University Level)	<b>Prof. Dr. R. K. Kamat,</b> Dean, Faculty of Science & Technology Shivaji University, Kolhapur.  <b>Shri. M. A. Jadhav,</b> Assistant Professor Department of Computer Science New College, Kolhapur.	03.02.2021	46
10.	A One day online Workshop on Revised Syllabus of Computer Science (Entire) Sem. V Paper C# Programming (University Level)	<b>Dr. K. S. Oza,</b> Assistant Professor, Department of Computer Science, Shivaji University, Kolhapur.  <b>Shri A. M. Mane,</b> Assistant Professor, Department of Computer Science, Willingdon College, Sangli.	04.02.2021	54
11.	One day Online Workshop on Revised Syllabus B.Sc. III (Mathematics) Semester-VI (University Level)	<b>Prof. Dr. S. H. Thakar,</b> Professor and Head, Department of Mathematics, BOS in Mathematics, Shivaji University, Kolhapur  <b>Dr. U. H. Naik,</b> Vice-Principal & Head, Department of Mathematics, Willingdon College, Sangli  <b>Shri. P. V. Patil,</b> Associate Professor, Padmabhushan Dr. Vasantraodada Patil Mahavidyalaya, Tasgaon.  <b>Shri. S. N. Golgire,</b> Head & Associate Professor, Department of Mathematics, Yashwantrao Chavan Warana Mahavidyalaya, Warananagar.  <b>Dr. S. S. Khopade,</b> Assistant Professor, Karmveer Hire Arts, Commerce, Science and Education College, Gargoti.	09.02.2021	
12.	One day Online Workshop on New Changed Syllabus B.Sc. III (Chemistry) Semester-V & VI (University Level)	<b>Prof. (Dr.) G. S. Gokavi,</b> Professor and Head, Department of Chemistry, Shivaji University, Kolhapur.  <b>Prof. Dr. S. D. Delekar,</b> Professor, Department of Chemistry, Shivaji University, Kolhapur.  <b>Dr. B. M. Sargar,</b> Associate Professor	11.02.2021	





		Jayshingpur College, Jayshingpur  <b>Dr. S.H.Burungale,</b> Head, Department of Chemistry, Yashwantrao Chavan College of Science, Karad		
13.	One Day online Workshop on Revised Syllabus B.Sc. III (Geology) Sem. V (Paper IX, X, XI, XII) & VI (Paper XIII, XIV, XV, XVI) (University Level)	<b>Dr. D. D. Kulkarni,</b> Head & Associate Professor, Applied Geology, Punyashlok Ahilyadevi Holkar, Solapur University, Solapur.  <b>Shri . S. V. Pathare,</b> Assistant Professor, Department of Geology Rajaram College, Kolhapur.  <b>Shri. J. V. Khanapurkar,</b> Assistant Professor, Department of Geology Gopal Krishna College , Kolhapur.  <b>Dr. Y. A. Patil</b> Associate Professor, Department of Geology Gopal Krishna Gokhale College, Kolhapur	12.02.2021	31
14.	One day Online Workshop on Revised Syllabus B.Sc. III (Statistics) Semester-V & VI (Paper : DSE- E15 & DSE – F14) (University Level)	<b>Dr. Satish Vasant Kakade,</b> Associate Professor (Statistics) Department of Community Medicine, Krishna Institute of Medical Sciences, Karad  <b>Dr. B. G. Kore,</b> Principal, Adarsh College, Vita.  <b>Dr. P. G. Dixit,</b> Head, Department of Statistics, Modern College, Pune-5  <b>Shri. S. V. Rajguru,</b> Assistant Professor, Department of Statistics Shivaji University Kolhapur  <b>Dr. K. G. Potdar,</b> Head, Department of Statistics, Ajara College, Ajara	16.02.2021	50
15.	Changed Syllabus of B.Sc. III (Botany) Semester- VI (Paper- XV & XVI) (University Level)	<b>Prof. Dr. S. S. Kamble,</b> Professor, Department of Botany, Shivaji University, Kolhapur  <b>Dr. M. S. Nimbalkar,</b> Assistant Professor, Department of Botany, Shivaji University, Kolhapur  <b>Dr. V. S. Salunkhe,</b>	18.02.2021	98





		Associate Professor, Department of Botany, MBSKMahavidyalaya, Kadegaon  <b>Dr. R. A. Lavate</b> Assistant Professor, Department of Botany, Raje Ramrao Mahavidyalaya, Jath		
16.	Carrier opportunities aftergraduation	<b>Prof. S. K. Patil</b> <b>Prof. S. U. Nilave</b> Rajarambapu Institute of Technology Islampur	22/02/2021	80
17.	Company: Job and Nature	<b>Shri. Abhay Mane</b> Ipro Tech. Kolhapur	24.02.2021	90

#### B. Competitions/Events:

Sr. No.	Title	Level	Date	Number of Participants
1	Yashwantrao Chavan State Level Essay Competitions	State Level	2020-21	58
2	Yashwantrao Chavan Shivaji University Level Elocution Competitions	University Level	Online	21
3	Social Awareness Program QUIZ Competition on World	College Level	16.09. 2020	110
4	Five-day National Level E- QUIZ TEST on Chemistry	National Level	27 to 31. 07. 2020	388
5	Blood Donation Camp	College Level	01.07.2020	26
6	Tree Plantation	College Level	02.10.2020	55
7	Swachh Bharat Abhiyan: Campus, Botanical Garden and Playground cleaning Activity	College Level	02.10.2020	NCC- 28 NSS- 10
<b>Important National and International Day Celebration by Organization of Quizzes -For improvement of knowledge of Students.</b>				
Sr. no.	Day and Date	Links	No. of Participants	
1	"World Environment Day" 5th June, 2020.	<a href="https://forms.gle/mDLUym6UTmarwE9i7">https://forms.gle/mDLUym6UTmarwE9i7</a>	231	
2	"World Ozone Day" 16th September, 2020.	<a href="https://forms.gle/yUA57JER8u3iqFo18">https://forms.gle/yUA57JER8u3iqFo18</a>	218	
3	"World Science Day" –10th October, 2020.	<a href="https://forms.gle/zSEdrLehrgWd5UdN7">https://forms.gle/zSEdrLehrgWd5UdN7</a>	49	





4	"National Science Day" –28 Feb., 2021.	<a href="https://forms.gle/5mVLUuwWxoXMjcpG8">https://forms.gle/5mVLUuwWxoXMjcpG8</a>	180
5	"International Day for Biological Diversity –22 May, 2021.	<a href="https://forms.gle/RUrSbekFBoPXw1nT7">https://forms.gle/RUrSbekFBoPXw1nT7</a>	171
6	"World Environment Day"5th June, 2021.	<a href="https://forms.gle/BVyTZLu43gBnaAn78">https://forms.gle/BVyTZLu43gBnaAn78</a>	176
7	"World Water Day" –22 March, 2021.	<a href="https://forms.gle/zy6dg3Q32A4PB4kC_6">https://forms.gle/zy6dg3Q32A4PB4kC_6</a>	79
8	"World Health Day" – "PLANTS FOR HUMAN HEALTH" 7th April, 2021.	<a href="https://forms.gle/UoAWasrpcMqq8zaA6">https://forms.gle/UoAWasrpcMqq8zaA6</a>	156
9	"World Earth Day"22 April, 2021.	<a href="https://forms.gle/YTPyfcLTpTjWmgd_9">https://forms.gle/YTPyfcLTpTjWmgd_9</a>	107
10	"International Forest Day"21st March, 2021.	<a href="https://forms.gle/sUc2CmTa5DwCdTY28">https://forms.gle/sUc2CmTa5DwCdTY28</a>	62
11	BIRTH ANNIVERSARY OF FATHER OF GENETICS - "Gregor Johann Mendel" 20.07.2021	<a href="https://forms.gle/fDC35swzJYQPgXQj6">https://forms.gle/fDC35swzJYQPgXQj6</a>	129

**C. Celebration of International Days-**

- 1) World Environment Day: 5 June 2020
- 2) International Day of Yoga: 21 June 2020
- 3) World Ozone Day: 16 September 2020
- 4) World Science Day: 10 November 2020
- 5) International Forest Day: 21 March 2021
- 6) World Health Day: 7 April 2021
- 7) World Earth Day: 22 April 2021
- 8) International Day of Biological Diversity: 22 May 2021

**D. Celebration of National Days-**

- 1) Independence Day: 15 August 2020
- 2) Sadhabhavana Day: 20 August 2020
- 3) National Sport Day: 29 August 2020





- 4) Teacher Day: 5 September 2020
- 5) Vachan Prerna Din :15 Oct. 2020
- 6) National Integration Day: 31 October 2020
- 7) Student Day: 7<sup>th</sup> Oct. 2020
- 8) Constitution Day: 26 November 2020
- 9) National Mathematics Day: 22 December 2020
- 10) Republic Day: 26 January 2021
- 11) National Science Day: 28 February 2021
- 12) Maharashtra Day: 1 May 2021

**E. Celebration of Birth/Death Anniversary**

- 1) Sau. Venutai Chavan Death Anniversary: 1 June 2020
- 2) Rajmata Jejau Death Anniversary: 17 June 2020
- 3) Chatrapati Shahu Maharaj Birth Anniversary: 26 June 2020
- 4) Swargiy P. D. Patil Birth Anniversary: 1 July 2020
- 5) Lokmanya Tilak Birth Anniversary: 23 July 2020
- 6) Dr. A. P. J. Kalam Death Anniversary: 27 July 2020
- 7) Lokmanya Tilak Birth Anniversary and Annabhau Sathe Birth Anniversary: 1 August 2020.
- 8) Swargiy P. D. Patil Death Anniversary: 17 September 2020
- 9) Mahatma Gandhi and Lal Bahadur Shastri Birth Anniversary: 2 October 2020
- 10) Dr. A. P. J. Kalam Birth Anniversary: 15 October 2020
- 11) Vallabhbhai Patel Birth Anniversary and Indira Gandhi Death Anniversary: 31 October 2020
- 12) Swargiy Yashwantrao Chavan Death Anniversary: 25 November 2020
- 13) Mahatma Phule Death Anniversary: 28 November 2020
- 14) Dr. Babasaheb Ambedkar Death Anniversary: 6 December 2020
- 15) Sau. Savitribai Phule Birth Anniversary: 03 January 2021
- 16) Lal Bahadur Shastri Death Anniversary: 11 January 2021
- 17) Swami Vivekanand Birth Anniversary and Rajmata Jijabai Birth Anniversary: 12 January 2021
- 18) Netaji Subhashchandra Bhos Birth Anniversary: 23 January 2021
- 19) Mahatma Gandhi Death Anniversary: 30 January 2021
- 20) Sau. Venutai Chavan Death Anniversary: 2 February 2021
- 21) Shivjayanti: 19 February 2021
- 22) Swatantryaveer Savarkar Death Anniversary: 26 February 2021
- 23) Sau. Savitribai Phule Death Anniversary: 03 January 2021



- 24) Swargiy Yashwantrao Chavan Birth Anniversary: 12 March 2021  
 25) Mahatma Phule Birth Anniversary: 11 April 2021  
 26) Dr. Babasaheb Ambedkar Birth Anniversary: 14 April 2021  
 27) Ahilyadevi Holkar Birth Anniversary: 31 May 2021.

#### F. Navratri Festival

Nine days online program on the occasion of "NAVRATRI- Festival of STRI- SHAKTI" was organized by the ladies Association of the college. The Great Durga's of the world students have shared an information of the "Great World Personalities". They have prepared PPTs on their own ideas and presented online on 17. 10. 2020 to 25.10.2020.

- 1) 17.10.2020: Missile Women: Tessy Thomas  
Presentation by: Dr. S. A. Kirtane
  - 2) 18.10.2020: First Female Muslim ruler: Razia Sultana  
Presentation by :SiddeekaNadaf (B.Sc. II)
  - 3) 19.10.2020 Great IAS Officer : Ira Singhal  
Presentation by: Rasika Shinde (B.Sc. II)
  - 4) 20.10.2020 India's First Woman Doctor of Medicine (MD):Anandibai Joshi  
Presentation by: Miss PrajktGhare (B.Sc. III)
  - 5) 21.10.2020 Indian mountain climber and sports woman: Arunima Sinha  
Presentation by: Miss Vaishnavi Pawar B.Sc. II)
  - 6) 22.10.2020 Indian Botanist: Dr. Janaki Ammal  
Presentation by: Miss Shweta Jadhav (B.Sc. I)
  - 7) 23.10.2020 "Mother of Orphans": Sindhutai Sapkal  
Presentation by: Miss Akshata Mohite (B.Sc. II)
  - 8) 24.10.2020 First Female Prime Minister of India: Indira Gandhi  
Presentation by: Shri. Sudarshan Chavan, (B.Sc. II)
  - 9) 25.10.2020 World Amateur Boxing Champion: Mary Kom  
Presentation by: Shri. Atul Patil, (B.Sc. I)
- &
- First Teacher of India : Krantijyoti Savitribai Phule  
Presentation by: Miss. Niyanta Kore, (B.Sc. I)

#### G. Placement:

1. Organization of the campus interview of the IPRO tech. Kolhapur. Total 33 students were selected.
2. A total 23 students are placed in the various in the national and multinational organizations in 2020-21.



  
 Principal  
 Yashwantrao Chavan College  
 of Science, Karad



Estd.

1958



Shri Shivaji Education Society's,  
Board for Higher Education's Vidyanagar Karad



**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

## Annual Report 2021-22

- 1) AISHE College ID: C-11076
- 2) **Certification**  
NAAC 3rd Cycle 2017 CGPA- 2.86 Grade: B++  
ISO 9001: 2015
- 3) **Admission for the 2021-22**

Program name	Program Code	Number of seats sanctioned	Number of Students admitted
B. Sc.	2324	2280	1296
B.Sc. Cs. Entire	2325	240	302
M. Sc.	205	196	191

- 4) **Results 2021-22**

Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination
2324	B. Sc. III	587	572
2325	B. Sc. Cs. Entire III	86	84
205	M.Sc. II	85	85

- 5) **Teaching Staff:**

<b>Sanction Grantable Post:</b>	71
<b>Permanent:</b>	12
<b>Vacant Post:</b>	59
<b>CHB/Temporary</b>	Grantable: 12 Non-grantable: 40



6) **Non-Teaching Staff:**

<b>Sanction Grantable Post:</b>	87
<b>Permanent:</b>	41
<b>Vacant Post:</b>	46
<b>Temporary:</b>	Nil

7) **College Publication**

**I. Magazine Title :** Yashwant (63<sup>rd</sup>)

**II. Publisher :** Principal Dr. S. B. Kengar

**III. Chief Editor :** Dr. R. S. Patil

8) **Research Paper Publications**

<b>Sr. No.</b>	<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Department of the teacher</b>	<b>Name of journal ISSN number</b>
1	Characterization and production of groundnut-shell degrading cellulase of <i>Streptomyces mutabilis</i>	Shinde G.M., Jadhav A.G	Microbiology	Bulletin of Environment, Pharmacology and Life Sciences 2277-1808
2	Enhanced specific energy of silver doped MnO <sub>2</sub> /GO electrodes as facile fabrication symmetric supercapacitor device	V. J. Mane, S. B. Kale, S. B. Ubale, V. C. Lokhande, C. D. Lokhande	Chemistry	Materials Today Chemistry 2468-5194
3	Removal of Lead (II) With poly 3-(aza-18 crown-6)silica Bonded Phase from succinate medium and sample analysis	Shivaji Burungale, Rahul Patil, Ankush Mali	Chemistry	Journal of Advanced Scientific Research 0976-9595
4	Environmentally Green Synthesis of $\alpha$ -aminophosphonates	Rahul Patil, Shivaji Burungale, Uday Lad, Uttam More	Chemistry	Der Pharma Chemica 0975-413X
5	Evaluation of Antibacterial and cytotoxic activity of Beta-glucogallin.	Kirtane Sushama A. and Jadhav Prakash D.	Botany	Int. J. All Research Education and Scientific Methods (IJARESM). 2455-6211
6	Biochar based photocatalyst for degradation of organic aqueous waste: A review	S. V. Otari, S. S. Sutar, J. P. Jadhav	Microbiology	Chemosphere 0045-6535
7	Supercapacitor devices based as SILAR synthesized ytterbium sulfide @ graphene oxide nanocomposite flexible thin film	S. B. Ubale, S. B. Kale, V. J. Mane, U. M. Patil, C. D.	Chemistry	Journal of Electroanalytical Chemistry 1572-6657





	electrodes	Lokhande		
8	Characterization of Dy <sub>2</sub> S <sub>3</sub> thin films deposited by successive ionic layer adsorption and reaction (SILAR) method	P. P. Bagwade, D. B. Malavekar, S. B. Ubale, T. T. Ghogare, R. N. Bulakhe, I. In, U. M. Patil, C. D. Lokhande	Chemistry	Journal of Solid-State Science 2162-8769
9	UV light-activated photocatalytic degradation of rhodamine B dye and Suzuki cross-coupling reaction by Ni ferrite catalyst synthesized by sol-gel auto-combustion method	K R Sanadi, K C Rathod, M L Gaur, R R Pawar, V G Parale, R S Patil, S H Burungale And A V Mali	Chemistry	Bull. Mater. Sci. 0973-7669
10	<i>Datura discolor</i> (Solanaceae): An Addition to the Flora of Maharashtra, India	Pooja R. Mane , J. Swamy, C. B. Salunkhe, T. J. Shaikh, G. G. Potdar	Botany	Indian Forester Journal 0019-4816
11	Evaluation of Arabian Vascular Plant Barcodes (rbcL and matK): Precision of Unsupervised and Supervised Learning Methods towards Accurate Identification.	Jamdade, R., Upadhyay, M., Al Shaer, K., Al Harthi, E., Al Sallani, M., Al Jasmi, M., & Al Ketbi, A.	Zoology	Plants 2223-7747
12	Multicomponent Synthesis of Pyrano (3, 2-c) Quinolone Fused Spirochromenes	R. V. Kupwade, A. M. Kulkarni, U. P. Lad	Chemistry	Polycyclic Aromatic Compounds 1563-5333
13	Typification in the genus <i>Dichanthium</i> (Andropogoneae: Poaceae)	T. J. Shaikh, R. Ghalame, G. G. Potdar	Botany	Phytotaxa 1179-3163
14	Green synthesis of silver-decorated magnetic particles for efficient and reusable antimicrobial activity	S. V. Otari, V. C. Kalia, A. Bisht, I-W. Kim, J-K. Lee	Microbiology	Materials 1996-1944
15	Effect of Sintering Temperature on Selectivity of zinc ferrite as gas sensors	S.D. Jadhav, R.S. Patil	Chemistry	Der Pharma Chemica 0975-413X
16	Sulfur-doped graphene as a rational anode for ionic liquid-based hybrid capacitor with 3.5 V working window	N. S. Shaikh, V. C. Lokhande, T. Ji, P. P. Ngat, S. B. Ubale, J. S. Shaikh, P. Kanjanaboos	Chemistry	Energy & Fuels 0887-0624
17	Novel electrodes for supercapacitor: conducting polymers, metal oxides, chalcogenides, carbides, nitrides, MXenes, and their composites with graphene	N. S. sheikh, S. B. Ubale, V. J. Mane, J. S. sheikh, C. D. Lokhande, P. Kanjanaboos	Chemistry	Journal of Alloys & Compound 0925-8388





18	Synthesis, characterization and supercapacitive application of nanocauliflower-like cobalt tungsten oxide thin films by successive ionic layer adsorption and reaction (SILAR) Method	P. P. Bagwade, D. B. Malavekar, S. B. Ubale, R. N. Bulakhe, I. In, U. M. Patil, C. D. Lokhande	Chemistry	Electrochimical Acta 0001-5164
19	Structural, Morphological and Spectral Properties of $\text{La}_2\text{Mo}_2\text{O}_9$ Thin Films Synthesized by Spray Pyrolysis Technique	G. A. Kadam, R. K. Nimat, S. A. Patil, B. B. Patil, L. D. Kadam	Physics	Zeichen Journal 0932-4747
20	DNA barcode based delineation of freshwater fishes from northern Western Ghats of India, one of the world's biodiversity hotspots	Patil, T. S., Jamdade, R. A., Patil, S. M., Govindwar, S. P., & Muley, D. V.	Zoology	Biodiversity and Conservation 1572-9710
21	Potassium ferrocyanide promoted an efficient synthesis of benzoxazoles and benzothiazoles under solvent free condition	Vishal S. Patil, Dhanshri V. Patil, Sachin. S. Potdar	Chemistry	Organic Communication 1307-6175
22	Monitoring and Assessment of Water Quality using Multivariate Statistics of Physico-chemical Parameters to establish Baseline Level around proposed Jaitapur Nuclear Power Plant (JNPP), India	Shinde R.D., Burungale S.H., Supale A.R., Chikode P.P. and Sabale S.R.	Chemistry	Research Journal of Chemistry and Environment 0972-0626
23	Photocatalytic degradation study of Methyl Orange and Congo red using Mg-Co ferrite powder	S.D. Jadhav, R.S. Patil	Chemistry	J. Water Environ. Nanotechnol. 2476-6615
24	Rational La-doped hematite as an anode and cobalt phosphate as a battery-type electrode for a hybrid supercapacitor	N. S. Shaikh, V. C. Lokhande, T. Ji, S. B. Ubale, V. J. Mane, C. D. Lokhande, J. S. Shaikh, H. S. Shaikh, S. R. Sabale, P. Kanjanaboos	Chemistry	Dalton Transition 1477-9226

#### 9. Faculty Development Programs attended –

##### i. Dr. S. A. Kirtane:

Successfully completed Faculty Development Programme (FDP) under PMMMNMTT: Four-Quadrant Model for Development of E-Content, MOOCs and Teacher's e-Kit organized by GAD-TLC during 29th Sep. to 05th Oct. **2021**

##### ii. Dr. S. A. Kirtane:

Successfully completed - Short-Term Course (STC) "E-Content development" organized by UGCHRD- Aligarh Muslim University, Aligarh during 06th Nov. 2021 to 12th Nov. 2021.





iii. **Dr. S. A. Kirtane:**

Successfully completed - Short-Term Course(STC) "Teacher Educator" organized by UGC HRDC- Goa University, Goa during - 30th Nov. to 07th Dec. 2021.

iv. **Dr. S. A. Kirtane:**

Successfully completed - Short-Term Course(STC)- "Health and Hygiene" organized by UGCHRD- Aligarh Muslim University, Aligarh during 17th to 23 Feb. 2022

v. **Dr. J. U. Patil:**

Participated in One Day National Online Faculty Development Programme on "Essential Soft skills for Impactful Professional Career" Organized by Indian Institute of Management and Commerce on 11.02.2022.

**9. Faculty Exchange Programs:**

- i. **Mr. A. A. Lole:** Invited as resource person for one week short term training program (STTP) on "Remote Sensing and GIS" organized by Department of Civil Engineering, D. Y. Patil College of Engineering 21st to 25th February 2022.

**10. Faculty Participation in conference/seminars/workshops/LIC/others,**

i. **Dr. S.H. Burungale**

- i. Attended one day workshop on 'Intellectual Property Rights – Basics and Process' IPRBP- 2021 Organized by IQAC & Department of Chemistry, Yashwantrao Chavan College of Science, and Karad. Saturday, 04th September, 2021.

ii. **Dr. A. V. Mali**

- i. Attended one day workshop on 'Intellectual Property Rights – Basics And Process' IPRBP- 2021 Organized by IQAC & Department of Chemistry, Yashwantrao Chavan College of Science, Karad. Saturday, 04th September, 2021.

iii. **Dr. R.S. Patil**

- i. Attended one day workshop on 'Intellectual Property Rights – Basics And Process' IPRBP- 2021 Organized by IQAC & Department of Chemistry, Yashwantrao Chavan College of Science, Karad. Saturday, 04th September, 2021.
- ii. Two Days online International conference on Advances in Science and Technology(ICAST - 2022) Organized by Rajarshi Chatrapati Shahu College,



Kolhapur during 9th and 10th March 2022.

- iii. Paper Presented in Nation conference on 'Advance Material in Research and Industry' organized by Govt. College of Arts and Science Aurangabad.

**iv. Shri. A. N. Bhingare**

- i. Attended one day workshop on 'Intellectual Property Rights – Basics And Process' IPRBP- 2021 Organized by IQAC & Department of Chemistry, Yashwantrao Chavan College of Science, Karad. Saturday, 04th September, 2021.

**v. Dr. B. E. Mahadik**

- i. Attended one day workshop on 'Intellectual Property Rights – Basics And Process' IPRBP- 2021 Organized by IQAC & Department of Chemistry, Yashwantrao Chavan College of Science, Karad. Saturday, 04th September, 2021.
- ii. Attended Two Day International conference on Sustainable Development In Chemistry and Scientific Applications (ICSDCSA - 2021) Organized by SGM College Karad. On 16th and 17th Dec. 2021.

**vi. Dr. G. G. Potdar**

- i. Attended Two Day National Workshop on New AQAR Guidelines 2020-21 Organized by Christ College- Pune, Internal Quality Assurance Cell in Association with IQAC Cluster And UGC-HRDC-SPPU On 19th & 20th November 2021.
- ii. Attended a National Webinar on 'Role of Biotechnology in Biodiversity Conservation' organized by Yashwantrao Chavan Warana Mahavidyalaya, Warananagar on 28 July 2021.
- iii. Attended an online course on Importance of Intellectual Property Right in Research organized by White code on 21st March 2022.

**vii. Shri. G.B. Dhake**

- i. Attended one day workshop on 'Intellectual Property Rights – Basics And Process' IPRBP- 2021 Organized by IQAC & Department of Chemistry, Yashwantrao Chavan College of Science, Karad. Saturday, 04th September, 2021.





**viii. Dr. S. A. Kirtane**

- a. National conference on “Plant Physiology” (NCP 2021) on “Frontiers of plant physiology for climate smart agriculture” held on 09.11.2021 at ICAR-National Research centre for abiotic stress management, Baramati, Pune (MS) India organized by ICAR-National Research centre for abiotic stress management, Baramati, Pune (MS) India and Indian society for plant physiology, New Delhi, India
- b. “Online National E-Conference on Intellectual Property rights Basics and Process” organized by IQAC and Department of Chemistry of Yashwantrao Chavan College of Science, Karad held on 04th September 2021
- c. Participated in National Webinar entitled “Teacher’s e-Kit: A Four Quadrant Approach for Development of OERs for Higher Education” organized by GAD-TLC Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) of Ministry of Education on 09th September 2021.
- d. Participated in One-Day National Webinar entitled “NEP-2020: Innovative Pedagogies for Quality Education” jointly organized by SIES (NERUL) College of Arts, Science & Commerce, University of Mumbai and GAD-TLC, SGTB Khalsa College, University of Delhi under the PMMNMTT of Ministry of Education held on 11th January 2022.
- e. Attended National Webinar on “Genome Editing for Food, Nutrition & Environmental Sustainability” organised by the Department of Botany, Shivaji College under the aegis of the DBT Star College Scheme on July 9, 2021.
- f. Presentation of Paper in International conference Sushama Kirtane 2021. Seed germination studies in *Withania coagulans* (Paneer phool). In: International e-Conference On “New Horizons And Multidisciplinary Applications In Science And Technology (ICMA-2021)” on 11th to 13th October 2021 Organised by Faculty of Science and IQAC, Shri Vitthal Rukhmini College, Sawana, (Tq. Mahagaon Dist. Yavatmal, Maharashtra, India.
- g. Participated in One-Day National Webinar entitled “Higher Education and Industry Revolution, 4.0” Jointly organized by SLRTDC, Meeraroad, Mumbai, University of Mumbai and GAD-TLC, SGTB Khalsa College, University of Delhi under the PMMNMTT of Ministry of Education held on 18th Jan.2022.



- h. Successfully completed the 6 days National Online Workshop on “Resources for Research, Journal Selection and Research Productivity” conducted by Research and development cell, Providence Women’s College, Kozhikode – Kerala in association with lore & ed research associates from 18 - 23 December 2021.
- i. Participated in One-Day Interdisciplinary National Workshop entitled “WELLNESS AND LEARNING: A Holistic Approach Towards Leading a Meaningful Life” organized by GADTLC, SGTB Khalsa College, University of Delhi under PMMMNMTT of Ministry of Education held on 12th February 2022.

**ix. Dr. M. P. Sarwade**

- i. One Day International Conference on "Recent Trends in Science and Technology" organised by Willington College, Sangli.
- ii. One day International Multidisciplinary E - Conference on "Recent Trends, Challenges and Issues in Science, Social Science and Languages for Sustainable Development" organised by Jawahar Arts, Science and Commerce College, Anadur, India in collaboration with Global Foundation, Solapur (MS) India.

**x. Dr. A. T. Jadhav**

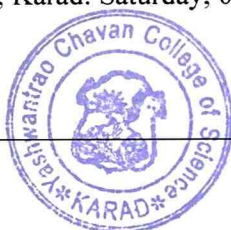
- i. Attended Tarkateerth Laxmanshastri Joshi online Lecture Series organized by Yashwantrao Chavan Chair and Yashwantrao Chavan School of Rural Development, Shivaji University, Kolhapur from 27 Jan. 2022 to 2 February 2022.
- ii. Participated in one-day programme on ‘Integrating Life Skills into the English Classroom’ organized by St. Mary’s College, Hyderabad on 22 January 2022.

**xi. Dr. S. D. Jadhav**

- i. Attended one day workshop on ‘Intellectual Property Rights – Basics And Process’ IPRBP- 2021 Organized by IQAC & Department of Chemistry, Yashwantrao Chavan College of Science, Karad. Saturday, 04th September, 2021.
- ii. Participated in ‘NATIONAL SCIENCE DAY’ Organized by IQAC & Department of Chemistry Yashwantrao Chavan College of Science, Karad 28th February 2021.

**xii. Mr. S. D. Karande**

- i. Attended one day workshop on ‘Intellectual Property Rights – Basics And Process’ IPRBP- 2021 Organized by IQAC & Department of Chemistry, Yashwantrao Chavan College of Science, Karad. Saturday, 04th September, 2021.





- ii. Attended Two Day International conference on Sustainable Development In Chemistry and Scientific Applications (ICSDCSA - 2021) Organized by SGM College Karad. On 16th and 17th Dec. 2021.

**xiii. Dr. Megha Jagadale**

- i. Presented a paper (Oral/Poster) on Green approach for synthesis of azalactones using magnetic nanoparticle supported ionic liquid phase catalyst in the international virtual conference on RECENT INNOVATIONS IN CHEMICAL SCIENCES (RICS 2022) held during 24-25, March 2022 in the Department of Chemistry, Periyar University, Salem 636 011
- ii. Attended one day workshop on 'Intellectual Property Rights – Basics And Process' IPRBP-2021 Organized by IQAC & Department of Chemistry, Yashwantrao Chavan College of Science, Karad. Saturday, 04th September, 2021.

**xiv. Dr. U. P. Lad**

- i. Attended one day workshop on 'Intellectual Property Rights – Basics And Process' IPRBP-2021 Organized by IQAC & Department of Chemistry, Yashwantrao Chavan College of Science, Karad. Saturday, 04th September, 2021.
- ii. Paper Presented in Nation conference on 'Advance Material in Research and Industry' organized by Govt. College of Arts and Science Aurangabad

**xv. Dr. J. U. Patil**

- i. Participated in One Day Online State Level Seminar on "PLASTIC POLLUTION IN TOURISM PLACES" organized by Department of Zoology and Internal Quality Assurance Cell (IQAC) of K.N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Bhosare (Kurduwadi) on 3rd February 2022.
- ii. Participated in International workshop (online) on Research Insights in Scientific writing and Publication (RISWP-2021) organized by Dept. of Microbiology and Biotechnology in association with IQAC of SSES's Science College, Nagpur on 17th - 18th December 2021.
- iii. Participated in IP Awareness/Training program organized by Intellectual Property Office under National IP awareness mission Government of India on March 11, 2022.
- iv. Participated in Online National Webinar on "Snake Identification, Misconceptions and



Snakebite Mitigation” organized on the occasion of “World Wildlife Day” by IQAC, Eco Club, Eagle Nature Club of Yashwantrao Chavan College of Science, Karad & MAESA, on 03 March, 2022.

- v. Participated in Online National Webinar on Multimedia Enriched E-content Development for Effective Online Teaching organized by IQAC, Department of Botany and Department of Computer Science, Yashwantrao Chavan College of Science, Karad on 1st March, 2022.
- vi. Participated in INTERNATIONAL FACULTY DEVELOPMENT PROGRAM (FDP)-cum-WORKSHOP on CREATING AND FLOATING MOOCS ON NPTEL-SWAYAM, UDEMY AND COURSERA PLATFORMS organized by Research India foundation, India Taylor's University, Blue Crest University college and Liberia Malaysia on 27th of February 2022.

**xvi. Miss. K. A. Yadav**

- i. Participated and presented a paper in Two Days International conference on “ Innovative trends in life sciences” Organized by Sadguru Gadage Maharaj College, Karad on 11th and 12th March 2022.
- ii. Participated in Online National Webinar on “Snake Identification, Misconceptions and Snakebite Mitigation” organized on the occasion of “World Wildlife Day” by IQAC, Eco Club, Eagle Nature Club of Yashwantrao Chavan College of Science, Karad & MAESA, on 03 March, 2022

**xvii. Miss. P. A. Patil**

- i. Participated in one day National level webinar on Status of Women in Ancient and Modern India organized by Shree Santkrupa Shikshan Sansthas College of Pharmacy (D.Pharm) Ghogaon on 10th Feb 2022.
- ii. Participated in One day workshop on Need for Environment Conservation organized by Yashwantrao Chavan College of Science, Karad 5th June 2021.

**xviii. Miss. G. S. Burud**

- i. Participated in “National Conference on Mathematical Analysis and Applications - 2022” organized by the Department of Mathematics, Shivaji University, Kolhapur during 21st to 22nd March, 2022.
- ii. Participated in Online National Webinar on Multimedia Enriched E-content Development for Effective Online Teaching organized by IQAC, Department of Botany and Department





of Computer Science, Yashwantrao Chavan College of Science, Karad on 1st March, 2022.

**xix. Miss. P. K. Madane**

- i. Participated in Online National Webinar on Multimedia Enriched E-content Development for Effective Online Teaching organized by IQAC, Department of Botany and Department of Computer Science, Yashwantrao Chavan College of Science, Karad on 1st March, 2022.

**11. IQAC**

- i. **IQAC meetings (1 June 2021-31 May 2022): 04**
- ii. **IQAC Activities**

All the activities in the college are conducted under the IQAC of the college.

**A. Conference/Seminar/Workshop/webinar organized**

Sr. No.	Name of Activity	Date	Number of Participants
1	"Conservation: Normal Cycle to Electric Cycle".	26.05.2022	41
2	National webinar on "Sustainability Science: A multidisciplinary Approach"	09.02.2022	367
3	National Webinar- Overview on Science & Literature	28.02.2022	44
4	National webinar on "Multimedia enriched E-content Development for effective online teaching"	01.03. 2022	145
5	National Webinar on- Snake identification, misconception and Snakebite mitigation	03.03.2022	158
6	International Women Day- State Level Webinar on – Prevention of Sexual Harassment- Dr. Manjusha Deshpande	08.03.2022	64
7	Webinar on - Zero Shadow Day- A Special Celestial Event:	08.05.2022	84
8	Organization of Webinar Series on the occasion of Celebration of Bicentenary of "Mendel"		
	Webinar No. 1 Resource person: Dr. Rupesh Bedere	22.07.2022	159
	Webinar No. 2. Resource person: Dr. M. G. Palshetkar	23.08.2022	103
	Webinar No. 3. Resource person: Dr. N. B. Gaikwad	22.09.2022	122
9	International Women Day- State Level Webinar on – Prevention of Sexual Harassment- Dr. Manjusha Deshpande	08.03.2022	64





10	National webinar on the occasion of – “World Ozone Day” Topic: “Ozone treaties and sustainable goals” Resource person: Shri. Rajendra Saraf	16.09.2022	229
11	One Day Workshop on "Radiation Technology, Safety, Detection and Application".	27.11.2021	200
12	One day workshop on "Advanced Materials and Nanotechnology"	18.12.2021	99
13	Seminar on "Use of Chemistry in everyday Life"	11.12.2021	112
14	National E Conference on Intellectual Property Rights- Basics & process IPRBP - 2021	04.09.2021	375
15	Career guidance and opportunities in Geology.	28.05.2022	37
16	One Day Science Seminar on Career Opportunities in Microbiology	28.05.2022	39

#### **B. Competitions/Events:**

Sr. No.	Title	Date	Number of Participants
1	National Energy Conservation Day	14.12.2021	66
2	Noble Prize Day	10.12.2021	20
3	National Pollution Control Day	02.12.2021	22
4	Exhibition of fruits and vegetables- Medicinal and Nutritional Properties on 29th December 2021.	29.12.2021	157

#### **C. Celebration of International Days-**

- 1) World Environment Day: 5 June 2021
- 2) International day of Yoga: 21 June 2021
- 3) World Ozone Day: 16 September 2021
- 4) World Science Day: 10 November 2021
- 5) International Forest Day: 21 March 2022
- 6) World Health Day: 7 April 2022
- 7) World Earth Day: 22 April 2022
- 8) International Day of Biological Diversity: 22 May 2022

#### **D. Celebration of National Days-**

- 1) Independence Day: 15 August 2021





- 2) Sadhabhavana Day: 20 August 2021
- 3) National Sport Day: 29 August 2021
- 4) Teacher Day: 5 September 2021
- 5) Vachan Purna Din :15 Oct. 2021
- 6) National Integration Day: 31 October 2021
- 7) Student Day: 7<sup>th</sup> Oct. 2021
- 8) Constitution Day: 26 November 2021
- 9) National Mathematics Day: 22 December 2021
- 10) Republic Day: 26 January 2022
- 11) National Science Day: 28 February 2022
- 12) Maharashtra Day: 1 May 2022

**E. Celebration of Birth/Death Anniversary**

- 1) Sau. Venutai Chavan Death Anniversary: 1 June 2021
- 2) Rajmata Jejau Death Anniversary: 17 June 2021
- 3) Chatrapati Shahu Maharaj Birth Anniversary: 26 June 2021
- 4) Swargiy P. D. Patil Birth Anniversary: 1 July 2021
- 5) Lokmanya Tilak Birth Anniversary: 23 July 2021
- 6) Dr. A. P. J. Kalam Death Anniversary: 27 July 2021
- 7) Lokmanya Tilak Birth Anniversary and Annabhau Sathe Birth Anniversary: 1 August 2021
- 8) Swargiy P. D. Patil Death Anniversary: 17 September 2021
- 9) Mahatma Gandhi Birth Anniversary and Lal Bahadur Shastri Birth Anniversary: 2  
October 2021
- 10) Dr. A. P. J. Kalam Birth Anniversary: 15 October 2021
- 11) Vallabhbhai Patel Birth Anniversary and Indira Gandhi Death Anniversary: 31  
October 2021



12) Swargiy Yashwantrao Chavan Death Anniversary: 25 November 2021

13) Mahatma Phule Death Anniversary: 28 November 2021

14) Dr. Babasaheb Ambedkar Death Anniversary: 6 December 2021

15) Sau. Savitribai Phule Birth Anniversary: 03 January 2022

16) Lal Bahadur Shastri Death Anniversary: 11 January 2022

17) Swami Vivekanand Birth Anniversary and Rajmata Jijabai Birth Anniversary: 12

January 2022

18) Netaji Subhashchandra Bhos Birth Anniversary: 23 January 2022

19) Mahatma Gandhi Death Anniversary: 30 January 2022

20) Sau. Venutai Chavan Death Anniversary: 2 February 2022

21) Shivjayanti: 19 February 2022

22) Swatantryaveer Savarkar Death Anniversary: 26 February 2022

23) Sau. Savitribai Phule Death Anniversary: 03 January 2022

24) Swargiy Yashwantrao Chavan Birth Anniversary: 12 March 2022

25) Mahatma Phule Birth Anniversary: 11 April 2022

26) Dr. Babasaheb Ambedkar Birth Anniversary: 14 April 2022

27) Ahilyadevi Holkar Birth Anniversary: 31 May 2022

#### **F. Navratri Festival**

Nine days online program on the occasion of “NAVRATRI- Festival of STRI-SHAKTI” was organized by ladies Association of the college. Under the heading, the Great Durga's of the world - Student have shared an information of the “Great World Personalities”. They have prepared PPTs on their own ideas and presented online on 07. 10. 2021 to 15.10.2021.

i. Date - 07.10.2021 : Krantijyoti Savitribai Phule  
Presentation by: Mohosina Mulla (B.Sc. I)

ii. Date - 08.10.2021 : Sindhutai Sapkal  
Presentation by: Miss Shradhha Dharme (B.Sc. I)





- iii. Date - 10.10.2021 : Rajmata Jijavu  
Presentation by: Vaishnavi Patil (B.Sc. II)
- iv. Date- 11.10.2021 : Zanshi ki Rani  
Presentation by: Anjali Ramugade (B.Sc. II)
- v. Date - 12.10.2021 : Tessy Thomus  
Presentation by: Miss Gauri Pawar (B. Sc. II)
- vi. Date: 13.10.2021 : Gunjan Saxena  
Presentation By: Ishwari Vyas
- vii. Date: 14;10;2021 : Indian Botanist: Dr. Janaki Ammal  
Presentation by: Miss Kshitija Shinde (B.Sc. I)
- viii. Date: 15.10.2021 : Indira Gandhi Presentation by:  
Presentation By: Sanika Desai (B.Sc. I)

## 12. Placement:

1. Organization of the campus interview of the IPRO tech. Kolhapur.



**Principal,  
Yashwantrao Chavan College  
of Science, Karad**



Shri Shivaji Education Society's,  
Board for Higher Education's Vidyanagar Karad



## **YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD**

### **Annual Report 2022-23**

1) **AISHE College ID: C-11076**

2) **Certification**

NAAC 3rd Cycle 2017 CGPA- 2.86 Grade: B++  
ISO 9001: 2015

3) **Admission for the 2022-23**

Program name	Programme Code	Number of seats sanctioned	Number of Students admitted
B. Sc.	2324	2280	957
B.Sc. Cs. Entire	2325	192	408
M. Sc.	205	296	241

4) **Results 2022-23**

Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination
2324	B. Sc. III	333	327
2325	B. Sc. Cs. Entire III	102	84
205	M.Sc. II	103	100

5) **Teaching Staff**

<b>Sanction Grantable Post:</b>	72
<b>Permanent:</b>	12
<b>Vacant Post:</b>	60
<b>CHB/Temporary</b>	Grantable: 12 Non-grantable: 40





6) **Non-Teaching Staff**

<b>Sanction Grantable Post:</b>	87
<b>Permanent:</b>	44
<b>Vacant Post:</b>	43
<b>Temporary:</b>	Nil

7) **College Publication**

**I. Magazine Title:** Yashwant (64<sup>th</sup>)

**II. Publisher:** Principal Dr. S. B. Kengar

**III. Chief Editor:** Dr. B. E. Mahadik

8) **Research Paper Publications in the academic year 2022-23**

<b>Sr. No.</b>	<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Department of the teacher</b>	<b>Name of journal ISSN number</b>
1	In-vitro anti-bacterial and cytotoxic activity of rubiadin.	Somade Prakash M. , Kirtane Sushama A., Jadhav Prakash D. and Pratik P. Somade	Botany	Int. J. Biology, Pharmacy and Allied Science 2277-4998
2	A Comprehensive Review of Chromite, Ferrite and Aluminate Nano-Materials	Gajanan B. Dhake, Shalini T. Dengle, Ravindra S. Dhivare	Chemistry	Journal For Basic Sciences 1006-8341
3	SILAR synthesized dysprosium selenide (Dy <sub>2</sub> Se <sub>3</sub> ) thin films for hybrid electrochemical capacitor	S. D. Khot, D. B. Malavekar, R. P. Nikam, S. B. Ubale, C. D. Lokhande	Chemistry	Synthetic Metal 0379-6779
4	Tetraphenylethene-Based Fluorescent Chemosensor with Mechanochromic and Aggregation-Induced Emission (AIE) Properties for the Selective and Sensitive Detection of Hg <sup>2+</sup> and Ag <sup>+</sup> Ions in Aqueous Media: Application to Environmental Analysis	Kishor S. Jagadhane, S.R. Bhosale, D.B. Gunjal, O.S. Nille, G.B. Kolekar, S.S. Kolekar, T.D. Dongale, P. V. Anbhule*,	Chemistry	ACS Omega 2470-1343



5	Multilocus Marker-based Delimitation of <i>Salicornia persica</i> and its Population Discrimination Assisted by Supervised Machine Learning Approach.	Jamdade, R., Al Shaer, K., Al Sallani, M., Al Harthi, E., Mahmoud, T., Gairola, S., Shabana, H.,	Zoology	PLoS ONE 1932-6203
6	Spatial Variations in the Geochemical Characteristics of Basalts from the Deccan Volcanic Province, India: Role of Mixing and Assimilation Fractional Crystallization	More B. Laxman, B. Nagaraju, K. Nagaraju and K. Vijaya Kuma	Geology	Journal of Earth System Science 2347-4327
7	In-vivo investigation of chronic inflammatory pain Modulating Potential of Niranthin	Gavekar P.S., Somade P.M., Chavan R.S., Pathak R. S., Chopade A.R., Kengar S.B.	Zoology	International Journal of Biology, Pharmacy and Allied Sciences 2277-4998
8	Formation of CuO nanostructures via chemical route for biomedical applications	S.R. Bhosale, S.A. Ghatage, P.N. Wahane, R.R. Bhosale, Kishor S. Jagadhane	Chemistry	Chemical Physics Letters 0009-2614
9	Xanthomonadin mediated synthesis of biocidal and photo-protective silver nanoparticles (XP-AgNPs)	Salunkhe, NS; Koli, SH; Mohite, BV; Patil, VS; Patil, SV;	Microbiology	Results in Chemistry 2211-7156
10	A Tetraphenylethene-Based Aggregation-Induced Emission Luminogen (AIEgen) With Mechanochromic Phenomena for Highly Selective Naked-Eye Detection of MnO <sub>4</sub> <sup>-</sup> Directly in Aqueous Media	Kishor S. Jagadhane, S.R. Bhosale, A.A. Moyo, G.B. Kolekar, K.K. Sharma, H.M. Yadav, P. V. Anbhule*	Chemistry	ChemistrySelect 2365-6549
11	Effect of Electromagnetic radiations of a mobile phone on the growth of some pathogenic bacteria	Avinash A. Raut, Anirudha H. Patil, Kirti A. Yadav, Kishor A. Sutar, Jaysing U. Patil	Microbiology	Mukt Shabd Journal 2347-3150
12	Antibiotic sensitivity profile of Uro pathogenic <i>Klebsiella pneumoniae</i>	Sunil B Jadhav, Mujahid M Siddiqui, S. V Mamdapure, H.J. Bhosale	Microbiology	Bulletin of Environment, Pharmacology and Life Sciences 2277-1808





13	Anti-Klebsiella pneumoniae Activity of Actinomycetes Isolated from Soil	Mujahid M Siddiqui, Sunil B Jadhav, S. V Mamdapure, Rania N Ghaleb, H.J. Bhosale	Microbiology	Bulletin of Environment, Pharmacology and Life Sciences 2277-1809
14	Antimicrobial Activities of Actinomycetes Against Urease Producing Bacterial Pathogens	S. V Mamdapure, Mujahid M Siddiqui, Sunil B Jadhav, , H.J. Bhosale	Microbiology	Bulletin of Environment, Pharmacology and Life Sciences 2277-1810
15	Antibacterial Activity of Aegle marmelos on Uropathogenic Klebsiella pneumoniae	Pallavi B Jadhav, S. V Mamdapure, Sunil B Jadhav, Mujahid M Siddiqui, H.J. Bhosale	Microbiology	Bulletin of Environment, Pharmacology and Life Sciences 2277-1811
16	Antibacterial Activity of Biosurfactant Produced from Haloferax chudinovii HB1RANIA	Rania N Ghaleb, S. V Mamdapure, Sunil B Jadhav, Mujahid M Siddiqui, H.J. Bhosale	Microbiology	Bulletin of Environment, Pharmacology and Life Sciences 2277-1812
17	Symmetric supercapacitor based on biosynthesized nanosheets of reduced graphene oxide (rGO): Characterization and electrochemical behavior	A. A Survase, S. H Sutar, S. B Ubale, S. S Kanase	Chemistry	Journal of Electrochemical Chemistry 1873-2569
18	Isolation and biochemical characterization of phosphate solubilizing bacteria from soils of some regions of Satara district.	Sutar KA, Raut AA, Shaikh NR.	Microbiology	Research Journal of Agricultural Sciences 2249-4538
19	Recent Trends in Synthetic Top-down Approach for Mesoporous Carbon : A Seminal Review	Bhosale S. R.; Bhosale, R. R.; Kishor S. Jagadhane;Anbhule P. V	Chemistry	Journal of Materials NanoScience 2394-0867
20	Dielectric behavior and phase transition of La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> films synthesized by spray pyrolysis technique	G. A. Kadam et. al.	Physics	Journal of Material Science: Material in Electronics 0957-4522
21	Synthesis and testing of polyacrylamide-grafted waste sand derived composite	Harshada B. Garud, Sushilkumar A. Jadhav, Sayali P. Jadhav, Shivaji	Chemistry	Polymer Advanced Technologies 1099-1581



	adsorbent for water purification	H. Burungale		
22	Surface Modified Silicon Dioxide Based Functional Adsorbents Derived from Waste Sand for the Removal of Toxic Pollutants from Water	Harshada B. Garud, Sushilkumar A. Jadhav, Sayali P. Jadhav, Shivaji H. Burungale	Chemistry	Silicon 1876-9918
23	Tetraphenylethene Carbothioamide-Based Organic Stimuli- Responsive Mechanochromic Memristive Devices with Non- Volatile Memory and Synaptic Learning Functionalities.	Jagadhane, K. S, Tukaram D. Dongale, Ankita S. Nikam, N. B. T.; Rajanish K. Kamat, Govind B. Kolekar, and Anbule P. V.	Chemistry	Chemistry Select 2365-6549
24	Magnetic and structural characterization of Sn doped cobalt ferrites; A visible light-driven photocatalysts for degradation of rhodamine-B and modeling the process by artificial intelligence tools	SD Zimur, Pratapsingh Gaikwad, AV Mali, Amit Prakash Patil, SH Burungale, PD Kamble	Chemistry	Journal of Alloys and Compounds 0925-8388
25	Texture and major element geochemistry of channel sediments in the Orsang and Hiren River Basins, Gujarat, India: Implications for provenance and weathering	Keshwala Nikunj, Maurya Shivam, Gurav Chandrakant A. and More Laxman	Geology	Journal Indian Association of Sedimentologists 2582 – 2020
26	Magnetic nanostructured adsorbents for water treatment: Structure-property relationships, chemistry of interactions, and lab-to-industry integration	S. M. Prabhu, N. R. Rane, X. Li, S. V. Otari, S. D. Girawale, A. R. Palake, K. M. Kodam, Y-K. Park, Y-H. Ha, K. Yadav, M. Ali Khan, B-H. Jeon	Microbiology	Chemical Engineering Journal 1385-8947
27	Multifunctional Fluorescent Tetraphenylethene-Based Reversible Mechanochromic for Highly Selective Detection of MnO <sub>4</sub> <sup>-</sup> in aqueous media and Green Organic Light Emitting Diode applications.	Kishor S. Jagadhane, Ray J. Buluminogenher Tukaram D. Dongale, Kiran A. Nirmal, Sunita Salunke-Gawali, Prashant V. Anbhule*.	Chemistry	Crystal Growth & Design 1528-7505
28	Phytochemical Profiling, Antimicrobial, Antiproliferative and Apoptotic Effects of	Alfredi A Moyo, Kishor S. Jagadhane, Sneha R Bhosale, Devashree N	Chemistry	Chemistry & Biodiversity 1612-1872





	Stemodia viscosa Roxb. of Western Ghats Region, India, Chemistry & Biodiversity	Patil, Vinod B Shimpale, Prashant V Anbhule*		
29	One Pot Synthesis of CuO-CuFe <sub>2</sub> O <sub>4</sub> @rGO Nanostructure with Synergistic Effect for Efficient Electrochemical Sensing Application of Paracetamol	J. C. Bhangoji, S. S. Kahandal, R. S. Patil, T. L. Lambat, S. I. Khan, G. Wadhava, S. H. Mahmood, and S. S. Shendage	Chemistry	ECS Advances 2754-2734
30	Mesoporous carbon encapsulated zinc oxide nanorods derived from plant species 'Argyreia sharadchandrajii' for live cell imaging of drug delivery and multimodal bioactivities	Sneha R Bhosale, Kishor S. Jagadhane, Rakhee R Bhosale, Sharadrao A Vanalakar, Vinod B Shimpale, Govind B Kolekar, Prashant V Anbhule*	Chemistry	New Journal of Chemistry 1369-9261
31	Evaluation Of The Groundwater Quality For Its Suitability For Drinking And Irrigation In The Indian State Of Maharashtra's Khanapur Taluka, Sangli.	A. A. Lole, D. B. Panaskar	Geology	International Journal of Novel Research and Development (IJNRD) 2456-4184
32	Histotoxicity of AIEgen Based on Triphenylamine for the Simultaneous and Discriminatory Sensing of Hg <sup>2+</sup> and Ag <sup>+</sup> Directly in Aqueous Media for Environmental Applications	Jagadhane, K. S.; Birajdar, N. B.; Kolekar, G. B.; Anbhule, P. V.	Chemistry	Chemical Research in Toxicology 1520-5010
33	Exploring Extracellular Hydrolytic Enzyme and Bio Flocculant-Producing Bacterial Isolates for Bioremediation of Vegetable Oil Refinery Effluent	Shinde G.M., Jadhav A. G.	Microbiology	Journal of Chemical Health Risks 2251-6727
34	Anticancer and Apoptotic Effects of Hymenodictyon floribundum (Hochst. & Steud.) B. L. Rob. Stem Bark Hydroethanolic Extract	Alfredi A. Moyo, Kishor S. Jagadhane, Sneha R. Bhosale, Prashant V. Anbhule*	Chemistry	Chemistry Africa 2522-5758
35	Evaluation of antimicrobial, cytotoxicity effects and antioxidant potential of Stemodia verticillata (Mill.) Hassl extracts Journal of Applied Pharmaceutical Science	Alfredi A Moyo, Sneha R Bhosale, Kishor S. Jagadhane, Sachin B Shinde, Vinod B Shimpale, Prashant V Anbhule*	Chemistry	Journal of Applied Pharmaceutical Science 2231-3354



36	Treatment of Textile Processing Effluent Using Bacterial Isolate and Activated Charcoal	Gajanan Shinde, Ajaykumar Jadhav	Microbiology	Journal of Chemical Health Risks 2251-6727
37	Cultural and Morphological Characterization of Alternaria brassicicola Schwein. & Wiltshire. Associated with Leaf Spot Disease of Cabbage	S. S. Pawar, N. K. Khandare, G. G. Potdar	Botany	BIOINFOLET - A Quarterly Journal of Life Sciences 0976-4755
38	Symmetric supercapacitor based on biosynthesized nanosheets of reduced graphene oxide (rGO): Characterization and electrochemical behavior	A. A. Survase, S. H. Sutar, S. B. Ubale, S. S. Kanase	Chemistry	Journal of Electrochemical Chemistry 1873-2569
39	Treatment of Textile Processing Effluent Using Bacterial Isolate and Activated Charcoal	Gajanan Shinde, Ajaykumar Jadhav	Microbiology	Journal of Chemical Health Risks 2251-6727

#### 9. Faculty Development Programs attended

- i. **Dr. S. A. Kirtane:** Successfully completed Faculty Development Programme (FDP) under PMMMNMTT: Four-Quadrant Model for Development of E-Content, MOOCs and Teacher's e-Kit organized by GAD-TLC during 29th Sep. to 05th Oct. 2022
- ii. **Dr. S. A. Kirtane:** Successfully completed - Short-Term Course (STC) "E-Content development" organized by UGCHRD- Aligarh Muslim University, Aligarh during 06th Nov. 2022 to 12th Nov. 2022.
- iii. **Dr. S. A. Kirtane:** Successfully completed - Short-Term Course(STC)"Teacher Educator" organized by UGC HRDC- Goa University, Goa during - 30th Nov. to 07th Dec. 2022.
- iv. **Dr. S. A. Kirtane:** Successfully completed - Short-Term Course(STC)- "Health and Hygiene" organized by UGCHRD- Aligarh Muslim University, Aligarh during 17th to 23 Feb. 2023
- v. **Dr. J. U. Patil:** Participated in One Day National Online Faculty Development Programme on "Essential Soft skills for Impactful Professional Career" Organized by Indian Institute of Management and Commerce on 11.02.2023.

#### 10. Faculty Exchange Programs

- i. **Dr. G. G. Potdar:** Invited as Resource person for a workshop on a topic 'Digital





Herbarium' under Lead College Activity held on 17<sup>th</sup> November 2022 at Department of Botany, Yahvantrao Chavan Institute of Science, Satara.

- ii. **Mr. A. A. Lole:** Invited as resource person for one week short term training program (STTP) on "Remote Sensing and GIS" organized by Department of Civil Engineering, D. Y. Patil College of Engineering 21st to 25th February 2023.
- iii. **Mr. T. J. Shaikh:** Delivered guest lecture on the topic "Identification of Medicinal and Aromatic Plants" on 14<sup>th</sup> December 2022 at Koyananagar Tal. Patan during field work Organized by Rajarambapu College of Pharmacy, Kasegaon.
- iv. **Mrs. P. A. Patil:** Delivered guest lecture on the topic "Ecology and Environment" on 8<sup>th</sup> to 14<sup>th</sup> November 2022 at Kundal Academy of Development Administration and Management Forest.
- v. **Dr. A. T. Jadhav:**
  - 1. Chaired the session in the National Conference on the "Influence of Cinema on the Culture" held at S.G.M. College, Karad on 17 February 2023.
  - 2. Lecture delivered on Neurolinguistics for Ph.D. scholars in the Pre-Ph.D. Coursework organized by the Department of English, Shivaji University, Kolhapur on 31 October 2022.

#### 11. Faculty Participation in conference/seminars/workshops/LIC/others,

i) **Dr. S.H. Burungale**

Participated in the National Conference on Green Chemistry & Advanced Materials (GCAM 2023) on 14th & 15th March 2023.

ii) **Dr. A. V. Mali**

Participated in the Two Days International Conference on Recent Trends in Pure and Applied Sciences (ICRTPAS - 2023) organized by Smt. Kusumtai Rajarambapu Patil Kanya Mahavidyalay, Islampur (Sangli), Sponsored by Shivaji University Kolhapur. on 24th & 25th March 2023.

iii) **Dr. R.S. Patil**

Participated in the National Seminar on "Quality Improvement in Technical Education Through Outcome Based Education" on 4th and 5th November, 2022 in Association with National Assessment and Accreditation Council (NAAC) Organised by Internal



Quality Assurance Cell (IQAC) of BRCM College of Engineering and Technology, Bahal, Bhiwani (Haryana).

**iv) Dr. G. G. Potdar**

- a) Participated in “One Day Teachers Workshop on NEP-2020 and Revised Syllabus in B. Sc. I Botany” organized by Department of Botany, The New College, Kolhapur on 22 November 2022.
- b) Participated in “Two Day National Workshop on Revised SSR Framework and Documentation” organized by Department of English & IQAC, Savitribai Phule Mahila Mahavidyalaya, Satara on 28-29 January 2023.
- c) Attended Two Day National Workshop on New AQAR Guidelines 2020-21 Organized by Christ College- Pune, Internal Quality Assurance Cell in Association with IQAC Cluster And UGC-HRDC-SPPU On 19th & 20th November 2022.
- d) Attended a National Webinar on 'Role of Biotechnology in Biodiversity Conservation' organized by Yashwantrao Chavan Warana Mahavidyalaya, Warananagar on 28 July 2022.
- e) Attended an online course on Importance of Intellectual Property Right in Research organized by White code on 21st March 2023.

**v) Mr. T. J. Shaikh**

- a) Paper Presented in Conferences Shaikh T J & Potdar G G. 2022. Identity and occurrence of *Capillipedium parviflorum* and *Hemisorghum venustum* (Poaceae) in One Day National Conference on Biodiversity and Biosciences organized by Department of Botany, Zoology and Microbiology, Balwant College, Vita. (29th December 2022).
- b) Attended National webinar on occasion of 200th birth anniversary of Gregor Mendel organized by Arts, Commerce and Science College, Sonai in association with Yashwantrao Chavan college of Science, Karad (22nd July 2022).

**vi) Mrs. P. A. Patil**

Paper Presented in Conferences: Patil P. A. & Potdar G. G. 2022. Celebration of Eco-Friendly Ganesh Festival: A report by Karad City Municipal Council in Three days International Conference on Future global business and technology (Challenges ahead)





organized by Chhatrapati Shahu Institute of Business education and research, Kolhapur (8th to 10th December 2022).

**vii) Shri. G.B. Dhake**

- a) Presented research paper entitled “A comprehensive review of chromite, ferrite and aluminate nanomaterial, in the National conference on chemical science for sustainable development organized by PG and research department of chemistry in collaboration with association of chemistry teachers KBCNMU, Jalgaon on 17 March 2022.
- b) Participated in International conference on nanomaterial for energy and environmental application organized by Lal Bahadur Shastri college of arts, science, and commerce, satara in collaboration with Kolhapur institute of technology college of engineering, Kolhapur on 21st March 2022.

**viii) Dr. S. A. Kirtane**

- a) Participated and present posters in the National Conference on Green Chemistry & Advanced Materials (GCAM 2022) on 14th & 15th March 2022.
- b) Participated and present research paper in the National Conference on Biodiversity and Biosciences (NCOBAB - 2022) organised by Balwant College, Vita. on 29th, December, 2022.

**ix) Mr. A. A. Mulla**

- a. Presented poster entitle “Recent Scenario of Positioning Sensors in the Antenna Control Systems” in International Conference on Innovation in Smart & Technomaterials (ICISTM - 2023) Organised by Dept. of Physics, Sadguru Gadage Maharaj College, Karad on 16th and 17th January 2023.

**x) Dr. M. P. Sarwade**

- a) Participated in Forecasting of rainfall Using Multilayer perceptron (MLP) Recent trends, Challenges and issues in Sciences, Social Science and Languages for sustainable development at Jawahar Arts, Science and Commerce College, Anadur Dr. Babasaheb Ambedkar Marathwada University, on 4 Aug 2022.
- b) Participated in seminar on Recent Trends in Science and technology “Rainfall Forecasting Using Long Short-term memory” organized by Willingdon College Sangli at 29 June 2022
- c) Presented a paper titled “Rainfall forecasting using Long Short term memory (LSTM)



“in one day international conference on “Recent trends in Science and technology  
“organized by Willingdon College , Sangli, Maharashtra on 29/06/2022

- d) Participated in Five day Management Development Program on Multivariate Data Analysis organized by Birla Institute of technology held from 06/02/2023 to 10/02/2023

**xi) Dr. S. D. Jadhav**

Participated in the National Conference on Green Chemistry & Advanced Materials (GCAM 2023) on 14th & 15th March 2023.

**xii) Mr. S. D. Karande**

Participated in the National Conference on Green Chemistry & Advanced Materials (GCAM 2023) on 14th & 15th March 2023.

**xiii) Dr. Megha Jagdale**

- a) Presented a paper (Oral/Poster) on Green approach for synthesis of azalactones using magnetic nanoparticle supported ionic liquid phase catalyst in the international virtual conference on RECENT INNOVATIONS IN CHEMICAL SCIENCES (RICS 2023) held during 24-25, March 2023 in the Department of Chemistry, Periyar University, Salem 636 011.
- b) Attended one day workshop on ‘Intellectual Property Rights – Basics And Process’ IPRBP- 2022 Organized by IQAC & Department of Chemistry, Yashwantrao Chavan College of Science, Karad. Saturday, 04th September, 2022.

**xiv) Dr. U. P. Lad**

Participated in the National Conference on Green Chemistry & Advanced Materials (GCAM 2023) on 14th & 15th March 2023.

**xv) Dr. J. U. Patil**

- a) Attended One Day Workshop on Soft Skill Development, organized by Department of Management Studies, Rajarambapu Institute of Technology, Islampur on 22 Feb.2023.
- b) International Climate Change Conference on Impact study of climate change and air quality for sustainable goals, organized by Bronx Community College and City College of New York & Indian Peninsular River Basin Council and Thakur College of Science and Commerce, Mumbai on 13 January 2023.





- c) International Conference on “Biotechnology for Better Tomorrow, ICBBT- 2023, Maharashtra (India), organized by Department of Biology, Faculty of Mathematics and Natural Sciences Udayana University, Bali, Indonesia, Microbiologist Society India and

**xvi) Miss. K. A. Yadav**

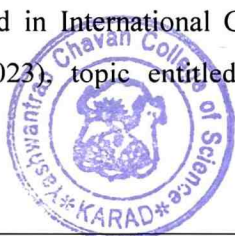
- a) Best Oral presentation award for paper entitled as “Effect of electromagnetic radiation on different bacteria” in an International Conference on Innovative Trends in Life science (ITLS-2022) organized by Sadguru Gadage Maharaj College, Karad.
- b) Participated in Science Seminar Topic: - “Biodiversity: Golden Eggs of Nature” Organised by Department of Microbiology, Yashwantrao Chavan College of Science, Karad, on 24 Nov 2022.
- c) Participated in Online National Webinar on “Snake Identification, Misconceptions and Snakebite Mitigation” organized on the occasion of “World Wildlife Day” by IQAC, Eco Club, Eagle Nature Club of Yashwantrao Chavan College of Science, Karad & MAESA, on 03 March, 2023.

**xvii) Miss. P. A. Patil**

- a) Participated in one day National level webinar on Status of Women in Ancient and Modern India organized by Shree Santkrupa Shikshan Sansthas College of Pharmacy (D.Pharm) Ghogaon on 10th Feb 2023.
- b) Participated in One day workshop on Need for Environment Conservation organized by Yashwantrao Chavan College of Science, Karad 5th June 2022.

**xviii) Dr. Avinash Anand Raut**

- c) Participated in National Conference on Biodiversity and Biosciences (NCOBAB-2023) entitled “Isolation and Characterization of Bacteria from herbal tablets used in the treatment of Rheumatoid arthritis” organized by Balwant College Vita Maharashtra on 29th December, 2022.
- d) Participated in International Conference on Biotechnology for Better Tomorrow (ICBBT-2023), topic entitled “Biodiversity of Extremophilic Nitrogen Fixing



Bacteria from Lonar Lake, Maharashtra, India”. organized by Department of Biology, Faculty of Mathematics and Natural Sciences, Udayana University, Bali, Indonesia in collaboration with Vidya Pratishthan’s Arts, Science and Commerce College, Baramati, India held at 29th and 30th October, 2022.

**xix) Shri. Kishor Adhikrao Sutar**

- e) Oral presentation of research paper titled as Screening of Phosphate Solubilizers from the Rhizosphere of *Cajanus cajan* at International Conference on “Biotechnology for Better Tomorrow, ICBBT- 2023” organized by Microbiologists Society India, Udayana University and Vidya Pratishthan’s Arts, Science & Commerce College, at Bali, Indonesia on 29th October and 30th October, 2022
- f) Oral presentation entitled “Primary Screening of Pigment producing bacteria from Pazar Talav, Rajmachi” in the “Emerging Trends in Applied Microbiology and Food Sciences (ETAMFS- 2022)” at Department of Microbiology and Food Processing and Packaging at Yashwantrao Chavan Institute of Science, Satara on 2nd and 3rd December, 2022.
- g) Oral paper presentation entitled as “Screening of Potent Amylase Producers & optimization from rhizospheric soil of *Cajanus cajan*” in National Conference on Biodiversity and Biosciences organized by Department of Botany, Zoology and Microbiology at Balwant College, Vita on 29th December, 2022.
- h) Oral paper presentation entitled as “Study on Impact of some pesticides on PGPR bacteria isolated from Rhizosphere of *Cajanus cajan* “ at National Conference on Innovative Trends in Biological Research organized by Department of Zoology and Microbiology, D. P. Bhosale College, Koregaon on 9th November, 2022.
- i) Poster presentation entitled “screening of cellulase producers from rhizospheric soil of *Cajanus cajan*” at Interdisciplinary National conference on Environmental sustainability (INCESLS 2023) Organized by Deshbhakt Anandrao Balwantrao Naik Arts and Science college Chikhali, on 24 & 25 March 2023

**xx) Miss. Sunita Ashok Lohar**

- a) Participated in Science seminar on “Biodiversity Golden eggs of Nature organized by Yashwantrao Chavan College of Science Karad on 24/11/2022.
- b) Lead College Activity-“Emerging Techniques in Microbiology” organized by





Yashwantrao Chavan College of Science Karad on 04/03/2023

**xxi) Miss S. S. Shinde**

Participated in the National Conference on Green Chemistry & Advanced Materials (GCAM 2023) on 14th & 15th March 2023.

**xxii) Miss Priyadashani Patil**

Attended International Conference on Future global business and technique organized by Chhatrapati Shahu Institute of Business Education and Research (CSIBER), Kolhapur on 8-10 December 2022.

**IQAC**

**a. IQAC meetings (1 June 2022-31 May 2023): 04**

**b. IQAC Activities**

All the activities in the college are conducted under the IQAC of the college.

**A. Conference/Seminar/Workshop/webinar organized**

Sr. No.	Name of Activity	Date	Number of Participants
1	Lead college activity: Best out of waste	22/09/2022	38
2	One day workshop on NET/SET examination	08/03/2022	70
3	Lead college activity: "Lecture on emerging techniques in Microbiology."	04/03/2022	132
4	Science seminar on "Biodiversity: Golden eggs of nature."	24/11/2022	102
5	Science seminar on "Career opportunity in Microbiology."	28/05/2022	98
8	Lead college activity: "Lecture on Advanced techniques in advanced chemistry".	12/12/2022	88
9	Science seminar on "landslide causes and precautions".	12/12/2022	88
10	Science seminar activity on topic "Career opportunity in zoology".	28/11/2022	55
11	Various opportunities in YCMOU	28/11/2022	96
12	Career opportunities in IT industries".	08/07/2022	79
13	Guest lecture: "Cyber crime and its prevention for women"	10/11/2022	138



14	Online Quiz –On the occasion of “Van-Mahotsav Din”	01/08/2022	64
19	National webinar- Celebration of Bicentenary of “Me – Organization of Webinar Series	22/09/2022	203
20	National Webinar: On the occasion of "World Ozone (Online mode)	16/09/2022	230
21	Lecture by student’s on the occasion of “Teachers Day	05/09/2022	37
22	Student’s talk on the occasion of Birth Anniversa Rajmata Jijavu and Swami Vivekanand	12/01/2023	28
23	Tree plantation	01/01/ 2023	26
24	One day workshop on NET/SET examination	08/03/2023	88
25	National Conference on Green Chemistry & Adva Material (GCAM-2023)	14/03/2023	300
26	Online Quiz – “International Forest Day”	21/03/2023	204
27	Online Quiz –On the occasion of “World Water Day”	22/03/2023	30

#### B. Competitions/Events:

Sr. No.	Title	Date	Number of Participants
1	National Pollution Control Day	02/12/2022	22
2	Noble Prize Day	10/12/2022	20
3	National Energy Conservation Day	14/12/2022	66
4	Exhibition of fruits and vegetables- Medicinal and Nutritional Properties on 29th December 2022.	29/12/2022	157

#### C. Celebration of International Days-

- 1) World Health Day: 7 April 2022
- 2) World Earth Day: 22 April 2022





- 3) International Day of Biological Diversity : 22 May 2022
- 4) World Environment Day: 5 June 2022
- 5) International day of Yoga : 21 June 2022
- 6) World Ozone Day: 16 September 2022
- 7) World Science Day: 10 November 2022
- 8) International Forest Day: 21 March 2023

**D. Celebration of National Days-**

- 1) Independence Day: 15 August 2022
- 2) Sadhabhavana Day: 20 August 2022
- 3) National Sport Day: 29 August 2022
- 4) Teacher Day: 5 September 2022
- 5) Vachan Prerna Din :15 Oct. 2022
- 6) National Integration Day: 31 October 2022
- 7) Student Day: 7<sup>th</sup> Oct. 2022
- 8) Constitution Day: 26 November 2022
- 9) National Mathematics Day: 22 December 2022
- 10) Republic Day: 26 January 2023
- 11) National Science Day: 28 February 2023

**E. Celebration of Birth/Death Anniversary**

- 1) Sau. Venutai Chavan Death Anniversary: 1 June 2022
- 2) Rajmata Jejau Death Anniversary: 17 June 2022
- 3) Chatrapati Shahu Maharaj Birth Anniversary: 26 June 2022
- 4) Swargiy P. D. Patil Birth Anniversary: 1 July 2022
- 5) Lokmanya Tilak Birth Anniversary: 23 July 2022
- 6) Dr. A. P. J. Kalam Death Anniversary: 27 July 2022
- 7) Lokmanya Tilak Birth Anniversary and Annabhau Sathe Birth Anniversary: 1 August 2022




- 8) Swargiy P. D. Patil Death Anniversary: 17 September 2022
- 9) Mahatma Gandhi Birth Anniversary and Lal Bahadur Shastri Birth Anniversary:  
2 October 2022
- 10) Dr. A. P. J. Kalam Birth Anniversary: 15 October 2022
- 11) Vallabhbhai Patel Birth Anniversary and Indira Gandhi Death Anniversary:  
31 October 2022
- 12) Swargiy Yashwantrao Chavan Death Anniversary: 25 November 2022
- 13) Mahatma Phule Death Anniversary: 28 November 2022
- 14) Dr. Babasaheb Ambedkar Death Anniversary: 6 December 2022
- 15) Sau. Savitribai Phule Birth Anniversary: 03 January 2023
- 16) Lal Bahadur Shastri Death Anniversary: 11 January 2023
- 17) Swami Vivekanand Birth Anniversary and Rajmata Jijabai Birth Anniversary:  
12 January 2023
- 18) Netaji Subhashchandra Bhos Birth Anniversary: 23 January 2023
- 19) Mahatma Gandhi Death Anniversary: 30 January 2023
- 20) Sau. Venutai Chavan Death Anniversary: 2 February 2023
- 21) Shivjayanti: 19 February 2023
- 22) Swatantryaveer Savarkar Death Anniversary: 26 February 2023
- 23) Sau. Savitribai Phule Death Anniversary: 03 January 2023
- 24) Swargiy Yashwantrao Chavan Birth Anniversary: 12 March 2023

**F. Placement:**

- 1) Organization of the campus interview of the IPRO tech. Kolhapur.
- 2) Grade Marine Export, Ratnagiri.



  
Principal,  
Yashwantrao Chavan College  
of Science, Karad