|| GYAN SEVA TYAG ||

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

Email: ypvmssolankur@gmail.com / ypvmsc.436.cl@gmail.com

Website: www.ypsc.ac.in

Affiliated to Shivaji University Kolhapur, MS, India || Accredited by NAAC with 'B' Grade (CGPA=2.14)

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
Chairman

6.5.2: Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
2. **Academic and Administrative Audit (AAA) and follow-up action taken**
3. **Collaborative quality initiatives with other institution(s)**
4. **Participation in NIRF and other recognized rankings**
5. **Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

3. Collaborative quality initiatives with other institutions

|| GYAN SEVA TYAG ||

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

Email: ypvmsolankur@gmail.com / ypvms.436.clg@gmail.com

Website: www.ypsc.ac.in

Affiliated to Shivaji University Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA=2.14)

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
Chairman

List of Collaborative quality initiatives with other institution

॥ GYAN SEVA TYAG ॥

Shri Vyankatesh Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

Email: [illegible]

Website: www.spsc.ac.in

Affiliated to Shivaji University, Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA: 2.44)

Shri. A. V. Patil
Secretary

Shri. R. V. Patil
President

LINKAGE

Shri Yashwantrao Patil Science College Solankur,

&

Biobritte Agro Solutions Private Limited, Jayasingpur

Linkage is signed on [illegible] November 2022 between **Shri Yashwantrao Patil Science College Solankur,** (First Party) and **Biobritte Agro Solutions Private Limited, Jayasingpur** (Second Party). It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.

2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.

3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.

4) This linkage may be terminated by either side by giving a three months' notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 04th November 2022

Party	First Party	Second Party
Institute	**Shri Yashwantrao Patil Science College Solankur,**	**Biobritte Agro Solutions Private Limited, Jayasingpur**
Signature		
Name & Designation	Dr. S. V. Madhale Head, Department of Botany	Parimal Udgave Prop. Biobritte Agro Solutions Private Limited, Jayasingpur(MH) For Biobritte Agro Solutions Pvt. Ltd.
Signature		Director
Name & Designation	Dr. G. G. Chougale Principal	Parimal Udgave Prop. Biobritte Agro Solutions Private Limited, Jayasingpur (MH)
Seal		

॥ GYAN SEVA TYAG ॥

SHRI VYANKNATH SHIKSHAN PRASARAK MANDAL'S

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

(Affiliated to Shivaji University Kolhapur, MS, India: Accredited by NAAC with 'B' Grade (CGPA=2.14)

DEPARTMENT OF BOTANY

is organizing

State Level Workshop and Hands on Training of

MUSHROOM CULTIVATION AND POST HARVEST PROCESSING

Date: 4th November, 2022

RESOURCE PERSON

Mr. Parimal Ramesh Udgave
Founder and Director,
Biobrite Agro Solutions Private Limited, Kolhapur

CONVENERS

Dr. M. S. Sutare
Assistant Professor,
Department of Botany

Dr. S. P. Dorugade
Assistant Professor,
Department of Botany

Hon. Shri. A. Y. Patil
(Founder
SVSPM, Solankur)

Hon. Shri. R. Y. Patil
Chairman
SVSPM, Solankur

Hon. Prof. S. A. Manjare
Principal
YPSC, Solankur

Dr. S. V. Madhale
IQAC Coordinator
Head, Department of Botany

Registration Charges:

Online: Rs. 100 only

Offline: Rs. 150 Only

Account Details:

Account Holder: Dr. Santosh Vasant Madhale
Bank Name: Bank of Baroda
Bank Account Number: 20778100002852
IFSC: BARBOSOL (Last letter is zero)

Scan to Pay

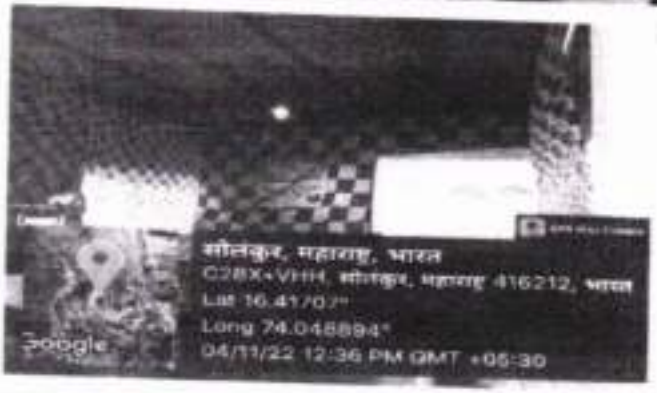
Estd. Jun 2003 Dist. Kolhapur


Solankur, Maharashtra, India


Solankur, Maharashtra, India
C28X+GJF, Solankur, Maharashtra 416212, India
Lat 16.417022°
Long 74.04868°
04/11/22 12:06 PM GMT +05:30
Google


सोलंकुर, महाराष्ट्र, भारत
C28X+VHH, सोलंकुर, महाराष्ट्र 416212, भारत
Lat 16.41705°
Long 74.04894°
04/11/22 12:32 PM GMT +05:30
Google


सोलंकुर, महाराष्ट्र, भारत
C28X+VHH, सोलंकुर, महाराष्ट्र 416212, भारत
Lat 16.41701°
Long 74.048883°
04/11/22 12:22 PM GMT +05:30
Google


सोलंकुर, महाराष्ट्र, भारत
C28X+VHH, सोलंकुर, महाराष्ट्र 416212, भारत
Lat 16.41707°
Long 74.048894°
04/11/22 12:36 PM GMT +05:30
Google


Solankur, Maharashtra, India
C28X+GJF, Solankur, Maharashtra 416212, India
Lat 16.417022°
Long 74.04868°
04/11/22 12:12 PM GMT +05:30
Google


Solankur, Maharashtra, India
C28X+VHH, Solankur, Maharashtra 416212, India
Lat 16.417°
Long 74.04892°
04/11/22 12:03 PM GMT +05:30
Google

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Shri. A. V. Patil
Secretary

Shri. R. V. Patil
President

LINKAGE

Shri Yashwantrao Patil Science College Solankur,

&

Bhogawati Mahavidyalya, Kurukali

Linkage is signed on 10th Aug 2022 between **Shri Yashwantrao Patil Science College, Solankur.** (First Party) and **Bhogawati Mahavidyalya, Kurukali** (Second Party). It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.

2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.

3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.

4) This linkage may be terminated by either side by giving a three months' notice to that effect in writing.

In witness where of, the parties here have set this hands on the

Party	First Party	Second Party
Institute	**Shri Yashwantrao Patil Science College, Solankur.**	**Bhogawati Mahavidyalya, Kurukali.**
Signature		
Name & Designation	Head,Department of Botany	Head,Department of Botany
Signature		
Name & Designation	Principal	Principal
Seal	Shri Yashwantrao Patil Science College Estd. Jun 2009 Dist.Kolhapur.	PRINCIPAL, Bhogawati Mahavidyalaya, Kurukali, Tal. Karve, Dist. Kolhapur

Guest Lecture by Dr. U. H. Patil (Career Opprtunities) and Dr. . R. G. Kamble (World Environment Day)

Guest Lecture by Shri. R.S. Bhosale (Plant Diversity)

|| GYAN SEVA TYAG ||
Shri Vyankesh Shikshan Prasarak Mandal's
SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR
Taluka: Radhanagari, District: Kolhapur (Maharashtra, India), Pincode: 416212
Email: ypcsolankur@gmail.com / ypcsc.436.cll@gmail.com
Website: www.ypcsc.ac.in
Affiliated to Shivaji University Kolhapur, MS, India || Accredited by NAAC with 'B' Grade (CGPA=2.14)
Shri. A. Y. Patil
Secretary
Shri. R. Y. Patil
Chairman

Date: 01/03/2023

Telescope Making Workshop

(Hands on Training Program)

Activity Report

Department of Physics, Shri Yashwantrao Patil Science College Solankur in collaboration with The New College, Kolhapur had organized and successfully conducted Telescope Making Workshop under MoU Activity on 01/03/2023 at conference hall of New College, Kolhapur. The workshop was specially designed for school children to enrich their knowledge about instrumental and observational astronomy.

The students were introduced the theoretical background of telescopes, their types, their mounts, steps involving in the process of telescope making through PPT presentation and trained them to built telescope by their own. 13 students were participated from kolhapur and sangali district. After assembling, participants were also trained to find and focus the celestial objects.

Dr. A. A. Jatratkar has worked as trainer for the workshop and guided students. As, it was the MoU activity, Teaching staff of Physics department of both colleges were actively involved in the workshop.

Dr. R. B. Patil, Dr. S. H. Tamboli, Dr. P.D. Kamble, Dr. A. A. Kalgonda, Mrs. S. S. Pawar, Mr. S. K. Sutar, Principal Dr. G. G. Chougale, Principal Dr. V. M. Patil have supported and provided all the necessary facilities.

Est. Jun 2006 Dist.Kolhapur


GPS Map Camera
Kolhapur, Maharashtra, India
1061, Shivaji Peth A Ward, C Ward, Kolhapur, Maharashtra
416012, India
Lat 16.689343°
Long 74.229875°
07/03/23 11:49 AM GMT +05:30

सकाळ

कोल्हापूर : न्यू कॉलेजमध्ये खगोलीय दुर्बीण निर्मिती कार्यशाळेत उपस्थित विद्यार्थी, पालक व शिक्षक.

न्यू कॉलेजमध्ये खगोलीय दुर्बीण निर्मिती कार्यशाळा

कोल्हापूर, ता. ३ : सोळांकूर येथील श्री यशवंतराव पाटील विज्ञान महाविद्यालय आणि न्यू कॉलेज यांच्या भौतिकशास्त्र विभागांच्या संयुक्त विद्यमाने खगोलीय दुर्बीण निर्मिती कार्यशाळा झाली.

डॉ. अविराज जत्राटकर यांनी मार्गदर्शन केले. दुर्बिणी तयार करण्यासाठी आवश्यक असणारे साहित्य निवडण्यापासून ते त्यापासून दुर्बीण तयार करण्यापर्यंत सर्व प्रशिक्षण विद्यार्थ्यांना देण्यात आले. प्राचार्य डॉ. जी. जी. चौगले, प्राचार्य डॉ. व्ही. एम. पाटील, डॉ. राहुल पाटील, डॉ. सिकंदर तांबोळी, डॉ. ए. ए. कलगोंडा, डॉ. प्रदीप कांबळे, एस. के.सुतार उपस्थित होते. प्रास्ताविक स्वप्नाली पवार यांनी केले. रेश्मा बेडगकर यांनी आभार मानले.

Kolhapur, Kolhapur-Today
04/03/2023 Page No. 5

Shri Vyankesh Shikshan Prasarak Mandal's
SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR
Taluka: Radhanagari, District: Kolhapur (Maharashtra, India) Pincode: 416212

Shri. A. V. Patil
Secretary

Shri. B. V. Patil
Chairman

Activity Report: Faculty exchange programme under MoU

(Academic Year: 2022-23)

Name of the activity	-	**Guest lecture on "Pharmaceuticals"**
Organized by	-	Doodhsakhar Mahavidyalaya, Bidri
Date of Activity	-	**7th February 2023**
Time	-	11.00 am
Venue	-	Auditorium Hall, DMB, Bidrti
Total Number of participants	-	All T. Y. B. Sc. Students, Department of Chemistry, DM, Bidri
Name of Faculty	-	Mr. J. K. Chavan
Objective	-	Collaboration in teaching, research and development, and consultancy studies in the field of mutual intrest,

Head
Department of Chemistry
Shri. Yashwantrao Patil Science College, Solankur.

PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Some Photos of Faculty Exchange Programme

Head
Department of Chemistry
Shri. Yashwantrao Patil Science
College, Solankur

Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR
Taluka: Radhanagari, District: Kolhapur (Maharashtra), India, Pincode: 416212

Shri. A. Y. Patil
Secretary

Shri. B. Y. Patil
Chairman

Activity Report: Faculty exchange programme under MoU

(Academic Year: 2022-23)

Name of the activity	-	**Guest lecture on "Chemical Kinetics"**
Organized by	-	Doodhsakhar Mahavidyalaya, Bidri
Date of Activity	-	**7th February 2023**
Time	-	01.00 pm
Venue	-	Auditorium Hall, DMB, Bidrti
Total Number of participants	-	All T. Y. B. Sc. Students, Department of Chemistry, DM, Bidri
Name of Faculty	-	Dr. A. D. Kamble
Objective	-	Collaboration in teaching, research and development, and consultancy studies in the field of mutual intrest,

PRINCIPAL
Shri Yashwantrao Patil Science College
Solankur, Tal. Radhanagari, Dist. Kolhapur

Photos of Faculty Exchange Programme

PRINCIPAL
Shri Yashwantrao Patil Science College,
Arlankur, Tal. Radhanagari, Dist. Kolhapur.

Government of Maharashtra
Estb. - 1880

RAJARAM COLLEGE, KOLHAPUR

VIDYANAGAR, SAGARMAL, KOLHAPUR - 416004
E-Mail: rajaramcollege@gmail.com

Tele: 0231- 2537840 Fax: 0231- 2531989

OUT NO./RCK/EST-1/2023 / 15 Date: 11/01/2023

To,

The Principal,

Shri Yashwantrao Patil Science College Solankur,

Tal. Radhanagari, Dist. Kolhapur 416212

Subject: - Willingness for Memorandum of Understanding.

Dear Sir,

With reference to above mentioned subject, as per the conversation and discussion between Dr. L.P. Bhopale, Head, Department of Zoology, Rajaram College, and Dr. Bharti S. Wali, Head, Department of Zoology, Shri Yashwantrao Patil Science College, Solankur, we are willing to Sign MoU between said department of our college.

We are waiting for your positive reply.

Thanking you.

Principal
(Dr. Y. C. Attar)

Shri Vyanknath Shikshan Prasarak Mandal's
SHRI YASHWANTRAO PATIL SCIENCE COLLEGE
SOLANKUR
TAL. RADHANAGARI, DIST. KOLHAPUR - 416212
PHONE 02321 251561
Email ypsmsolankur@gmail.com
Affiliated to Shivaji University, Kolhapur

YPSC/110 /2023

Date: 21/01/2023

To,
The Principal,
Rajaram College Kolhapur

Subject: Regarding the Memorandum of Understanding.

Dear Sir/Madam,

With respect to above mentioned subject and reference of your letter (OUT NO./RCK/EST-1/2023/13, dated 11/01/2023) regarding MoU between two departments of our college. We are in favor to sign the MoU between the two Zoology Departments of our college. This MoU would be beneficial in encourage and enhancing the academic interest, quality education and scientific attitude among the students and faculty.

Thanking you.

Principal
(Dr. G. G. Chougale)

PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari, Dist. Kolhapur.

Received
23/1/2023

Government of Maharashtra
Estd :1380
Rajaram College, Kolhapur
Department of Zoology
Eco-Prithvi Club
Vidyanagar, Kolhapur 416004
E-Mail: rckzoology@gmail.com

No. RCK/Zoo/2023/

Date: 10 /03 /2023

To,

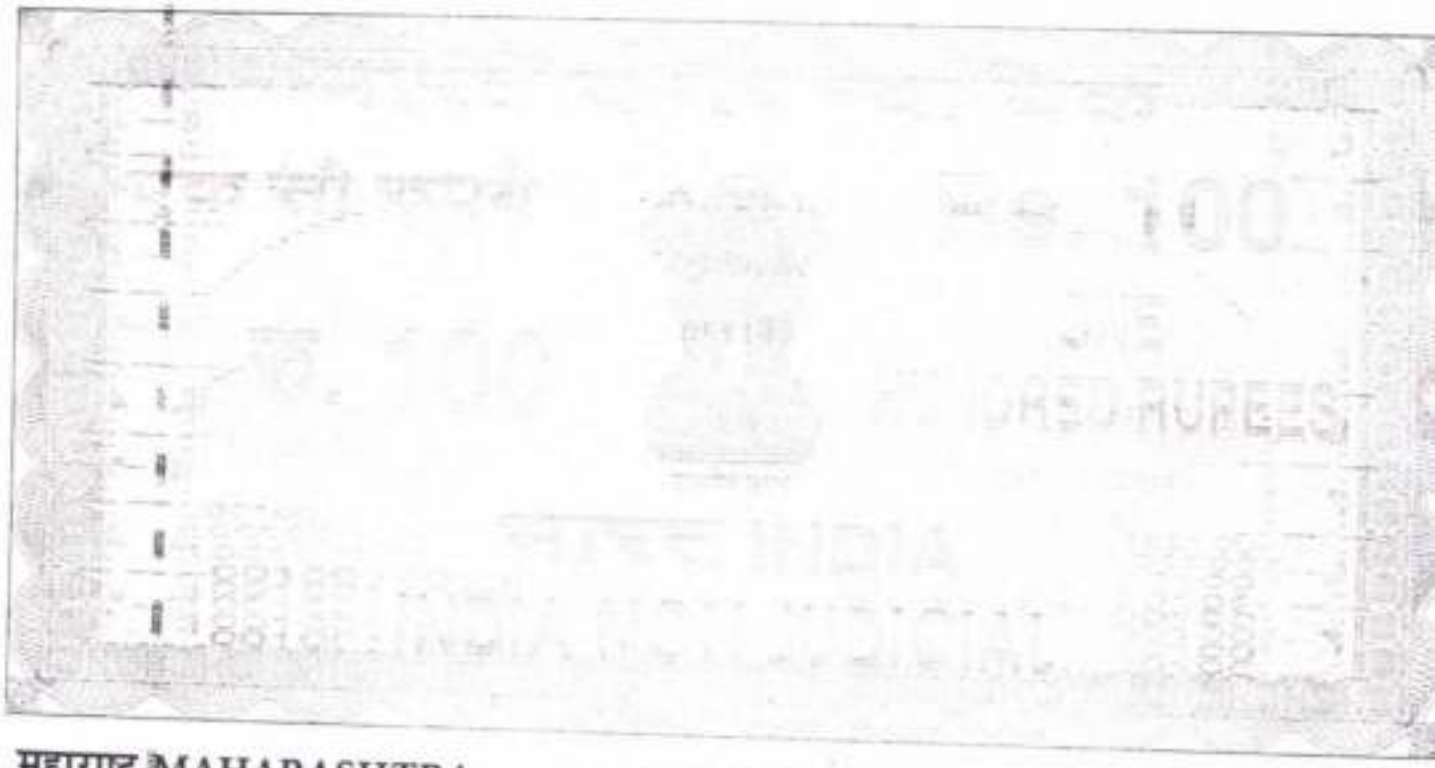
The Head
Department of Zoology
Shri Yashwantrao Patil
Vidnyan Mahavidyalaya, Solapur

Subject: Invitation for Bio-Genius Competition.

Respected Madam,

With reference to above subject, we are organizing State level Bio-Genius Competition organized by Eco-Prithvi club, Department of Zoology, Rajaram College Kolhapur, in collaboration with Department of Zoology, Government Vidarbha Institute of Science and Humanities (Autonomous), Amravati, on 14th March, 2023 at 12:00 pm. Kindly send at least 10 UG/PG students for participation in this Competition.

Head, Department of Zoology
Rajaram College Kolhapur
Head of the Zoology Department
Rajaram College Kolhapur



महाराष्ट्र MAHARASHTRA ◑ 2022 ◑ 13AA 038419

20 JAN 2023

मुद्रांक विक्री नोंद वही अनुक्रमांक ६२९६

मुद्रांक विकत घेणाऱ्याचे नाव शिवाजी शंकरराव गवळी

पत्ता

हस्ते असल्यास

दस्ताचा प्रकार करारपत्र

मुद्रांक शुल्क ९००₹

सही

श्री. भोसले

मुद्रांक विक्री परवाना नं. 74/2001

शाहूपुरी पेठ, कोल्हापूर

फोन नं. 2601072

12 JAN 2023

STAMP HEAD OF SUB TREASURY OFFICER KOLHAPUR (M.S.)

Memorandum of Understanding

This MoU was signed and came in to existence on 30/01/2023

BETWEEN

Department of Zoology, Rajaram College Kolhapur, Vidyanagar,

Tal. Karveer, Dist. – Kolhapur

Terms and Conditions

1. This MoU may be amended, renewed and/or terminated by mutual written agreement of both the institutions at any time.
2. Either institution shall have the right to terminate the MoU upon 60 days 60 days of prior written notice to the other institute.

Coordinators

Heads of both institutions will designate persons who have responsibility of coordination and implementation of this MoU.

On Behalf of

Rajaram College, Kolhapur

Co-ordinator
(Dr. Lata P. Bhopale)
Head of the Zoology Department
Rajaram College Kolhapur

Principal
(Dr. Y. C. Attar)
Principal
Rajaram College,Kolhapur

On Behalf of

Shri. Yashwantrao Patil Vidnyan, Mahavidyalaya, Solankur

Co-ordinator
(Dr. Bharati S. Wali)
Head
Department of Zoology
Shri. Yashwantrao Patil Science College, Solankur.

Principal
(Dr. Gurunath Chougale)
PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal.Radhanagari, Dist.Kolhapur.

॥ GYAN SEVA TYAG ॥

Shri Vyankatesh Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

E-mail: ypcsolankur@gmail.com / ypcsos456@gmail.com

Website: www.ypsc.ac.in

Affiliated to Shivaji University Kolhapur, MS, India || Accredited by NAAC with 'B' Grade (CGPA=2.14)

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
Chairman

Department of Zoology

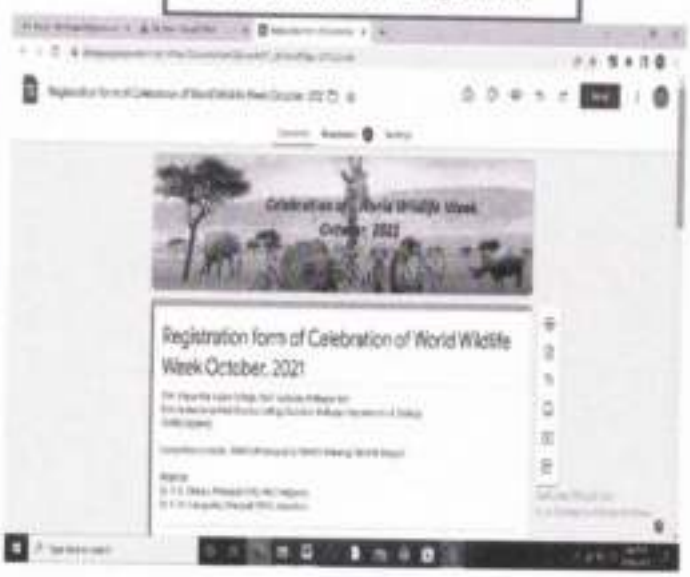
Celebration of World Wildlife Week (06-07 October 2021)

Department of Zoology Shri Yashwantrao Patil Science College Solankur and Department of Zoology, Shri Vijaysinha Yadav College, Peth Vadgaon has jointely celebrated the Wildlife Week 06-07 October 2021 under Mou Signed. Undre this event various competitions were conducted for students and students of both colleges were actively participated. Students were online register for event and submited their activity in google form link. Total 54 students were participated in following competitions from both colleges,

Competitions	No. of students participated
Photography	34
Drawing	21
Rangoli	16

Invitation flyer of Event

Google form and Responses



LINKAGE

The New College, Kolhapur

&

Shri Yashwantrao Patil Science College, Solankur

Linkage is signed on 15th March 2018 between Department of Chemistry, The New College, Kolhapur (First Party) and Shri Yashwantrao Patil Science College, Solankur (Second Party). It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.

2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.

3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.

4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 15th March 2018.

Party	First Party	Second Party
Institute	The New College, Kolhapur	Shri Yashwantrao Patil Science College, Solankur
Signature		
Name & Designation	Mrs. J. S. Kshirsagar Head, Department of Chemistry	Dr. Rahul B. Patil Head, Department of Physics
Signature		
Name & Designation	Dr. N. V. Nalawade Principal	Dr. G. G. Chougale Principal
Seal		

293 (2023) 126964

Materials Chemistry and Physics xxx (xxxx) 126964

Contents lists available at ScienceDirect

Materials Chemistry and Physics

Journal homepage: www.elsevier.com/locate/matchemphys

Development of magnetically recyclable nanocatalyst for enhanced Fenton and photo-Fenton degradation of MB and Cr(VI) photo-reduction

Rupali Chavan [a, b, 1], Nilesh Bhat [a, 1], Santosh Parit [b], Kitchamsetti Narasimharao [c], Rupesh S. Devan [d], Rahul B. Patil [d], Vijay C. Karade [e], Nilesh V. Pawar [f], Jin Hyeok Kim [e], Jyoti P. Jadhav [a, **], Ashok D. Chougale [b, *]

[a] Department of Biochemistry, Shivaji University Kolhapur, India
[b] Department of Chemistry, The New College Kolhapur, Shivaji University Kolhapur, India
[c] Department of Metallurgy Engineering and Materials Science, Indian Institute of Technology Indore, Simrol, Indore, 453552 India
[d] Department of Physics, Yashwantrao Patil Science College Solankur, Shivaji University Kolhapur, India
[e] Optoelectronic Convergence Research Center and Department of Materials Science and Engineering, Chonnam National University, South Korea
[f] Department of Botany, The New College Kolhapur, Shivaji University Kolhapur, India

ARTICLE INFO

Keywords:
Fenton
Photo-Fenton
Cr(VI) reduction
Dye degradation
Magnetic nanoparticles

ABSTRACT

The present work reports the facile green synthesis of Fe_3O_4 magnetic nanoparticles (MNPs) and their Fenton and photo-Fenton catalytic activity for reduction reactions. The glucose-mediated MNPs exhibit spherical morphology with an average diameter of 6.3 ± 1.1 nm. The catalytic activity of MNPs evaluated for Fenton and the photo-Fenton reactions resulted in 92 and 93% dye degradation in just 120 and 75 min, respectively. The magnificence of this novel synthesis methodology is the higher efficiency of both processes at varied pH ranges. Different catalytic parameters like wide pH range, catalyst dose, and H_2O_2 concentrations have made it more effective for both processes. Besides, the reusability study showed 63.71 and 57.57% activity even after six cycles in Fenton and photo-Fenton processes, respectively. The scavenger study showed the involvement of $\bullet OH_{ads}$ over $\bullet OH_{free}$ in the Fenton process, where •OH was found as a prime source of dye degradation in the photo-Fenton process. Moreover, Fe_3O_4 MNPs successfully reduced the 80 ppm load of Cr(VI) within 25 min, which improved further to 15 min by adding a chelating agent. This Fenton and photo-Fenton magnetically reusable catalyst will indulge the development of water treatment in an eco-friendly and economical way with great potential.

1. Introduction

The catastrophe of environmental pollution affects human health and has become a global concern. The leading source of pollution is the chemical products by industry or everyday products such as pesticides, coatings, printing inks, adhesives, cleaning agents, and personal care [1], which have become the greatest threat of pollution. Also growing industrial sector of textile, paper, and printing increases the threat of pollutants by its dyes and toxic heavy metals containing effluent. Worldwide over 7×10^5 tons of synthetic dyes are produced annually, whereas 2×10^5 tons of these dyes are lost to effluents annually during industrial operations [2]. Improper treatment of effluents that contain dyes causes water contamination, which is destructive to the environment. In recent years, nitrophenols and pigments used in pesticides, drugs, paper, plastic, paint, cosmetics, food, textiles, printing, and synthetic dyes, causing a considerable hazard towards environmental pollution [3]. These chemicals directly discharged in an open environment affect water, soil, plants, and animals.

Methylene blue (MB) is a heterocyclic aromatic compound known as methyl thioninium chloride, commonly used as a cationic dye. It also harms aquatic life by preventing its growth and regeneration [4]. Hence, it is necessary to remove the dyes from wastewater. Various technologies are developed to degrade or decolorize dyes, including physical, chemical, and biological approaches [5–9]. Some processes include filtration, reverse osmosis, electrochemical oxidation, activated carbon adsorption, coagulation, ion exchange, flocculation, ozonation, advanced oxidation, and the Fenton process for the decontamination of textile waste [10]. The advanced oxidation process (AOP) is one of the

* Corresponding author.
** Corresponding author.
E-mail addresses: jpj_biochem@unishivaji.ac.in (J.P. Jadhav), ashokdchougale@newcollege.ac.in, ashokdchougale@gmail.com
[1] Author contributed equally.

https://doi.org/10.1016/j.matchemphys.2022.126964
Received 31 August 2022; Received in revised form 22 October 2022; Accepted 29 October 2022
0254-0584/

On the shape based SPR of silver nanostructures

Rahul B. Patil*

Department of Physics,
Shri Yashwantrao Patil Science College, Solankur,
Shivaji University,
Kolhapur – 416211, India
Email: rrahulpatil@gmail.com
*Corresponding author

Ashok D. Chougale

Department of Chemistry,
The New College,
Shivaji University,
Kolhapur – 416012, India
Email: ashokdchougale@gmail.com

Abstract: Nanoscience and nanotechnology is the key towards enrichment of human life. It has been functional in almost all the sectors viz. energy, safety, medicine, biomedical, security, communication, space, health, agriculture, etc. The class of nanomaterials from 0D (dimensional) to 3D includes nanotubes, nanorods, nanoparticles (NPs), nanowires, nanoplates, nanodots (quantum dots), etc. Among the noble metals, silver nanomaterials have been of great interest since ancient times. It is being used in different fields such as textile industry, food packaging, cosmetic industry, catalysis, various bio applications, coatings, DNA sequencing, SERS, etc. The last decade has concentrated on its antibacterial potential and its use in nano-bio-applications. The interesting optical properties specifically surface plasmon resonance (SPR) have been studied widely to explore its practical application in sensors, bio-devices, data storage, spectroscopic techniques, catalysis etc. It can be tuned by varying size and shape of NPs. Along with this SPR is the prime easy tool to get the prima-facie information about size and shape of the synthesised nanomaterials. This paper aims to focus on shape based SPR of silver nanostructures.

Keywords: silver; AgNPs; nanostructure; nanotechnology; SPR; surface plasmon resonance.

Reference to this paper should be made as follows: Patil, R.B. and Chougale, A.D. (2021) 'On the shape based SPR of silver nanostructures', *Int. J. Nanotechnol.*, Vol. 18, Nos. 11/12, pp.1015–1027.

Biographical notes: Rahul B. Patil is working as Head of the Department of Physics, YP Science College, Solankur. He is IQAC coordinator. He received his PhD in Physics from Shivaji University, Kolhapur in 2008. His research area is thin film and currently working in field of nanomaterials. He has 22 research papers in Scopus indexed journals. He has been Postdoctoral Fellow at National Central University, Taiwan.

Materials Today: Proceedings

Contents lists available at ScienceDirect

Materials Today: Proceedings

journal homepage: www.elsevier.com/locate/matpr

Analytical methods for the identification and characterization of silver nanoparticles: A brief review

Rahul B. Patil [a,*], Ashok D. Chougale [b,*]

[a] Shri Yashwantrao Patil Science College, Solankur, Shivaji University, Kolhapur, India
[b] The New College, Kolhapur, Shivaji University, Kolhapur, India

ARTICLE INFO

Article history:
Available online xxxx

Keywords:
Silver nanoparticles
XRD
XPS
DLS
TEM
FTIR

ABSTRACT

Bionanotechnology is one of centered subdisciplines inside nanotechnology. Since antiquated occasions, silver nanoparticles (AgNPs) are being utilized for an assortment of uses. Numerous combination techniques are developed under the top-down and bottom- up methodology. The precise particle characterization is essential after synthesis since the properties of a particle could significantly affect its physico-chemical and biological properties. The trademark highlight of nanomaterials, for example, size, shape, size dispersion, surface zone, shape, solvency, aggregation etc. should be assessed before surveying poisonousness or biocompatibility. The evaluation of the synthesized nanomaterials are done using many analytical techniques such as XRD, UV-vis spectroscopy, DLS, FTIR, XPS, SEM, AFM, TEM and so on. Here, key techniques are described along with a few examples in accordance with recent studies on AgNPs.

Selection and peer-review under responsibility of the scientific committee of the 3rd International e-Conference on Frontiers in Mechanical Engineering and nanoTechnology.

1. Introduction

The noble metals especially silver nanoparticles (AgNPs) are being used since ancient times for various applications. Inferable from their interesting properties, for example, high surface-to-volume proportion, broad size shape, and compositional tunability, agreeability to recuperation, they are generally utilized in the biomedical field and catalysis. The huge advancements in the field of nanoscience have driven and boosted the field of nanotechnology. Looking at the recent pandemic situation due to COVID-19, the various research organizations with the help of governments and industries invented vaccines that arrived in a historically short period. Nano-based materials have played a crucial role in diagnosis and treatment. The viability of nanomaterials relies upon different boundaries dependent on the specific application. The different combination strategies have developed under top-down and bottom- up methodologies. Every technique has its disadvantages and preferences. Tuning the property of nanomaterials concerning shape and size has likely used in nanotechnology. The nanomaterials exist in different structures, for example, nanocubes, nanowires, nanoparticles (NPs), nanoplates, nanoprisms, nanorods, nanotubes, and so on. The usefulness of nanomaterials with a particular size and shape becomes important for the particular application. In this context, analytical techniques play a crucial role. The fundamentals of the analytical techniques along with insights into AgNPs are discussed with recent examples.

2. Analytical techniques for characterization of AgNPs:

2.1. X-ray diffraction

X-ray diffraction (XRD) is a non-destructive technique and one of the essential scientific strategies which have been utilized to investigate the molecular and crystal structures along with qualitative identification of various compounds, quantitative resolution of chemical species, estimating the level of crystallinity, isomorphous substitutions, particle sizes etc. Analysis of the materials to a great extent relies upon the arrangement of a diffraction pattern. The working principle of XRD is Bragg's law and is based on the wide-angle elastic scattering of X-rays. When the crystal is exposed to X-rays, it forms several diffraction patterns. These patterns replicate the physico-chemical characteristics of the materials crystal structures. In a powder specimen, diffracted beams

* Corresponding authors.
E-mail addresses: rahulpatil@gmail.com (R.B. Patil), ashokdchougale@gmail.com (A.D. Chougale).

https://doi.org/10.1016/j.matpr.2021.03.384
2214-7853/
Selection and peer-review under responsibility of the scientific committee of the 3rd International e-Conference on Frontiers in Mechanical Engineering and nanoTechnology.

Shri Yashwant Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India) Pincode- 416212

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

LINKAGE

Shri Yashwantrao Patil Science College Solankur,

&

M.H.Sinde Mahavidyalya,Tisangi

Linkage is signed on 13th May 2022 between **Shri Yashwantrao Patil Science College Solankur,** (First Party) and **M.H.Sinde Mahavidyalya,Tisangi** (Second Party). It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

1) Both the parties will extend their facilities to each otherin the areas ofstudent exchange, guest lectures, study tours, instrument training and research to the studentsand to organize conference/seminars jointly.

2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.

3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.

4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 13th May 2022.

Party	First Party	Second Party
Institute	**Shri Yashwantrao Patil Science College Solankur,**	**M.H.Sinde Mahavidyalya,Tisangi**
Signature		
Name & Designation	Dr.S.V.Madhale Head, Department of Botany	Dr. S.K.Mengane Head, Department of Botany
Signature		
Name & Designation	Dr.G.G.Chougale Principal	Dr. B.S.Padwal Principal
Seal		

स्थापना: १९९४

नॅक पुर्नमुल्यांकन :B++ (सीजीपीए- 2.8

"सर्वांग सुंदर जीवन यासाठी शिक्षण"

ज्ञानसाधना शिक्षण प्रसारक मंडळ, निवडे संचलित

म.ह.शिंदे महाविद्यालय,तिसंगी

ता. गगनबावडा,जि. कोल्हापूर ४१६ २०६

(शिवाजी विद्यापीठ, कोल्हापूर संलग्नीत)

वेब साईट : www.mhstcollege.in

ई मेल आयडी :mhstisangi@rediffmail.com

प्र . प्राचार्य डॉ. बी . एस . पडवळ

एम . कॉम . , एम . लिब ॲन्ड इन्फ . सायन्स . , एम . फिल . , पीएचडी

फोन ऑफिस : (०२३२६) २५४९४८

मोबाईल:९४२१९९९९२५

जा. क्र एमएचएसटी / २०२२-२३ /57

दिनांक: / /

13 MAY 2022

To,

Dr. S. V. Madhale,

Head Department of Botany,

Shri. Yashwantrao Patil Science Mahavidyalaya,

Solankur, Kolhapur.

Subject: Letter of Appreciation.

Dear Sir,

We are really grateful to you for giving a lecture on the topic **"Lipid Metabolism"** to our students, on 13th May 2022 organized by Department of Botany under faculty exchange program. Our students are enlightened by your guidance. This will be helpful to all students for their career development. We thank you for extending cooperation.

Thanking you,

Yours faithfully,

I/C PRINCIPAL

M. H. Shinde Mahavidyalaya, Tisa

Tal. Gaganbavda, Dist. Kolhapu

॥ GYAN SEVA TYAGH ॥

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

Email: [illegible]

Website: www.spsc.ac.in

Affiliated to Shivaji University, Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA: 2.34)

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

LINKAGE

Shri Yashwantrao Patil Science College Solankur,

&

Devchand College, Arjunnagar

Linkage is signed on 06th June 2022 between **Shri Yashwantrao Patil Science College Solankur,** (First Party) and **Devchand College, Arjunnagar** (Second Party). It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

1) Both the parties will extend their facilities to each otherin the areas ofstudent exchange, guest lectures, study tours, instrument training and research to the studentsand to organize conference/seminars jointly.

2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.

3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.

4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 09th June 2022.

Party	First Party	Second Party
Institute	**Shri Yashwantrao Patil Science College Solankur,**	**Devchand College, Arjunnagar**
Signature		
Name & Designation	Dr. S. V. Madhale Head, Department of Botany	Dr. P. D. Shirganve. Head, Department of Botany
Signature		
Name & Designation	Dr. G. G. Chougale Principal PRINCIPAL Shri Yashwantrao Patil Science College Radhanagari Dist. Kolhapur	Dr. P. P. Shah. Principal PRINCIPAL DEVCHAND COLLEGE, ARJUNNAGAR
Seal	Est. Jun 2009 Dist Kolhapur	DEVCHAND COLLEGE ARJUNNAGAR Dist. Kolhapur

Est. Jun 2009 Dist Kolhapur

Guest lecture by Dr S.P. Dongade at Dexchand College, Arjunnagar.

Shri Vyankatesh Shikshan Prasarak Mandal's

Shri Yashwantrao Patil Science College, Solankur

Tal. Radhanagari, Dist. Kolhapur - 416212 , Phone - (02321) 232561

Email: ypmscsolankur@gmail.com, ypmsc@ypsc.ac.in

Website: www.ypsc.ac.in

Accredited by NAAC with 'B' grade (CGPA 2.14) | Affiliated to Shivaji University, Kolhapur

Shri. R. Y. Patil
President

Shri. A. Y. Patil
Secretary

Ref. No. To/SVMSJ/23/2023-2041 Date: 04/02/2024

To,
The Principal,
Swami Vivekanand Senior College,
Mantha, Dist. Jalna (Maharashtra)

Subject: Memorandum of Understanding (MoU) between Department of Botany, Shri Yashwantrao Patil Science College, Solankur Tal Radhanagari Dist Kolhapur and Department of Botany Swami Vivekanand Senior College, Mantha Dist Jalna

Respected Sir,

With reference to the captioned subject, we Department of Botany, Sri Yashwantrao Patil Science College, Solankur Tal. Radhanagari Dist. Kolhapur are eager to strengthen our academic ties with your esteemed institute. The Yashwantrao Patil Science College, Solankur is the only Science college in Radhanagari taluka established in 2009. The college accredited with 'B' Grade (2.14 CGPA). The college houses full-fledged departments viz., Botany, Zoology, Physics, Chemistry, Mathematics and Statistic with well qualified and post doctorate staff.

We trust that our academic ties with Swami Vivekanand Senior College, Mantha, will benefit the research as well as plant propagation activities. I therefore request you to consider our request.

Thanking you.

Yours Sincerely
Principal
Sri. Yashwantrao Patil Science College,
Solankur, Tal. Radhanagari

Shri Yashwantrao Patil Science College Est. Jun 2009 Dist. Kolhapur Solankur, Tal. Radhanagari

Marathwada Sarvodaya Shikshan Prasarak Mandal's Partur
SWAMI VIVEKANAND SENIOR COLLEGE, MANTHA
Tq. Mantha Dist. Jalna 431504
(NAAC Re-Accreditation "B" UGC 2 F & 12 (B)
● Ph.: (02484) 270238 Fax 270338 ● Website - www.svcmantha.in ● E-mail - swamicollege@gmail.com
Ashabai Babasaheb Akat
President
Dr. Bharat D. Khandare
Principal

Out Words : SVC/2020-21/378.

Date : 25/09/2020

To,
The Principal,
Shri. Yashwantrao Patil Science
College Solankur, Tq. Radhanagari,
Dist. Kolhapur- 416212.
(M.S) India.

Subject: Letter of intend for Memorandum of Understanding (MoU).

Respected Sir,

With reference to above cited subject we are happy to tie Memorandum of Understanding (MoU) with esteemed Institute Shri. Yashwantrao Patil Science College Solankur Tq. Radhanagari, Dist. Kolhapur for academic and research purpose.

We can share our expertise, research ideas and other related aspects in terms of research.

Thank you.

Principal
Principal
Swami Vivekanand Sr. College
MANTHA, Dist. Jalna.

Shri Vyankatesh Shikshan Prasarak Mandal's

Shri Yashwantrao Patil Science College, Solankur

Tal. Radhanagari, Dist. Kolhapur - 416212 , Phone - (02321) 232561

Email: spsmsolankur@gmail.com | spsmsolankur@rediffmail.com

Website: www.spsc.ac.in

Accredited by NAAC with 'B' grade (CGPA 2.74) | Affiliated to Shivaji University, Kolhapur

Shri. R. Y. Patil
President

Shri. A. Y. Patil
Secretary

Ref. No. SPSMS/ 67 /2020-2021 Date: 11-1-2021

MOU- REPORT 2020

In accordance with a MOU signed between the two institutions, viz. Department of Botany, Sri YashwantraoPatil Science College, Solankur (Dr M S Sutare, Executor) and Department of Botany, Swami Vivekanand Senior College, Mantha(Dr R S Gaikwad, Executee) (herein referred to as the both departments) to the intent on educational -research co-operation dated on 14th September 2020, the first activity Report under the MOU is prepared.

As it is mutual desire to promote, develop and accelerate research following activities are conducted.

1. Frequent field Survey is carried out to collect seeds of plants.
2. Photographs of the plants are taken at the field itself.
3. Taxonomic Identification of the plants is conducted.

Implemetation- Radhanagari is a taluka from Kolhapur district, well known for plant diversity in western region. The taluka is situated along the ranges of Sahyadri and lying on the boundary of Kolhapur and Sindhudurga district of Maharashtra state. The hilly areas and the plains of the taluka are covered by semi-evergreen forests.

Various places from the taluka were visited during September2020 to December 2020 . The plants were observed in the field, collected and identified scientifically with the help of floras and other texts (Cooke 1901, Kirtikar&Basu 1993, Prajapati& Kumar 2003, Mahajan & Divan 1969, Yadav&Sardesai 2002).

In future propagation / cultivation practices for some plants is planned.

Though the MoU is signed between the Department of Botany, Sri YashwantraoPatil Science College, Solankur and Department of Botany, Swami Vivekanand Senior College, Mantha, Dr Manisha S Sutare of YashwantraoPatil Science College, Solankur and Dr Rajesh S Gaikwad of Swami Vivekanand Senior College, Mantha, will be solely responsible for implementation of the MoU and will be responsible carrying out different research activities, roles and responsibilities mentioned therein.

PRINCIPAL
Sri Yashwantrao Patil Science College Solankur
Tal Radhanagari, Dist Kolhapur

Dr Manisha S Sutare
Executor of MoU For Department of Botany
Shri Yashwantrao Patil Science College,

Head Principal
Swami Vivekanand Senior College
Mantha Dist Kolhapur

I/C Principal
Swami Vivekanand Senior
College Mantha TQ.Mantha

Dr Rajesh S Gaikwad
Executor of MoU For Department of Botany
Swami Vivekanand Senior College, Mantha

Life Science Informatics Publications

Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences

Journal Home page http://www.rjlbpcs.com

RJLBPCS

ISSN 2454-6348

Original Research Article

DOI: 10.26479/2022.0803.02

ETHNO BOTANICAL USES OF *LEEA MACROPHYLLA* ROXB. AND *LAGERSTROMIA PARVIFLORA* ROXB.

Manisha S Sutare[1*], Rajesh S Gaikwad[2]

1. Department of Botany, Shri Yashwantrao Patil Science College Solakur, Dist. Kolhapur, Maharashtra, India
2. Department of Botany, Swami Vivekanand Senior College Mantha, Dist. Jalna, Maharashtra, India.

ABSTRACT: *Leea macrophylla* Roxb. and *Lagerstromia parviflora* Roxb. are important traditionally used medicinal plants from ancient time period. In present work, medicinal significance and the pharmacological effects of the plant are discussed. It is essential to study the uses of plants and other associated knowledge which will help for researchers to introduce new phytoproducts for scientific validation. Besides, the present work suggests that the more scientific data is required to explore its chemical constituents in the treatment of diseases and disorders for making new therapeutic drugs. It is also suggested that both species are under threat of extinction so need to be protected.

Keywords: *Leea*, *Lagerstromia*, phytoproducts, medicinal plants, traditional medicine.

Article History: Received: May 24, 2022; Revised: June 06, 2022; Accepted: June 14, 2022.

Corresponding Author: Dr. Manisha S Sutare* Ph.D.
Department of Botany, Shri Yashwantrao Patil Science College Solakur, Dist. Kolhapur, Maharashtra, India. Email Address: drsutarems@gmail.com

1. INTRODUCTION

Western ghat within Maharashtra is a known to have good repository for plants that have preventive and curative effects on human health, thereby have been used as traditional medicine (TM) for different ailments since ancient times. TM is popular in parts of the African and Asian countries. According to World Health Organization (WHO), more than 80% of the world populations depend on TM for their primary health care needs. Plant-based medicinal systems continue to play an

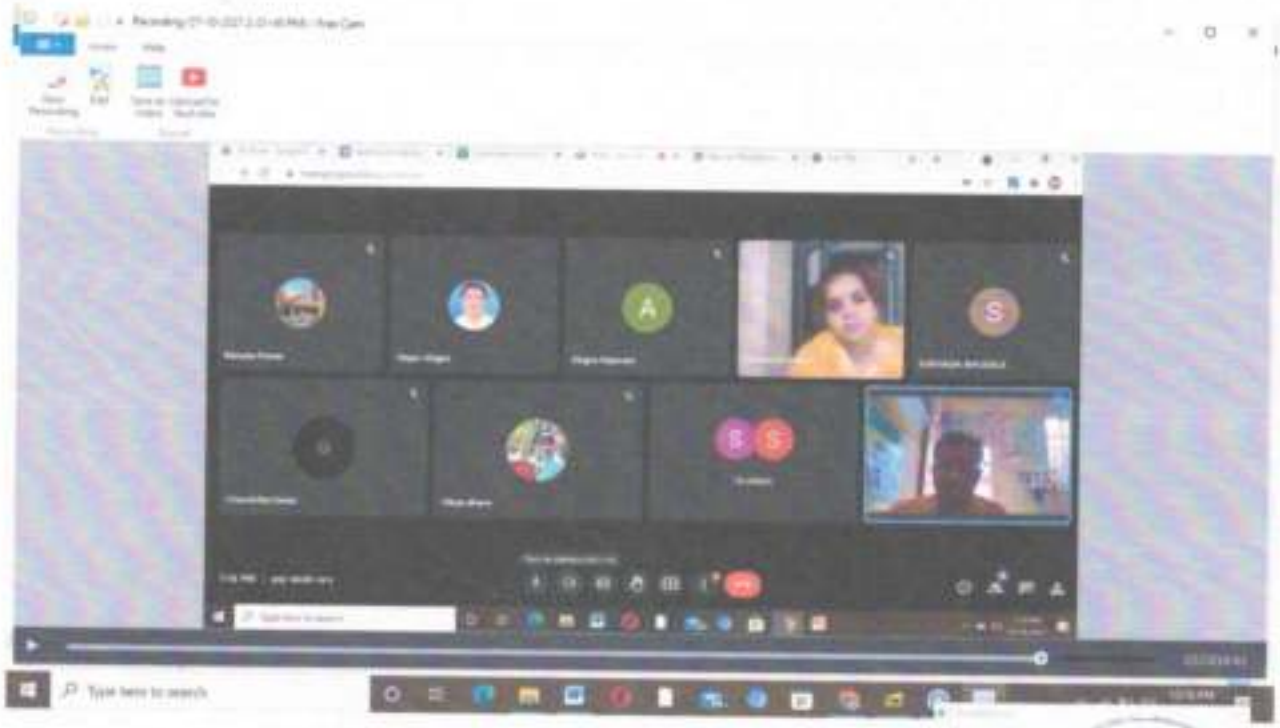
॥ GYAN SEVA YAGH ॥
Shri Vyanknath Shikshan Prasarak Mandal's
SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR
Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212
Email: ypssolankur@gmail.com / ypscsn.sk@gmail.com
Website: www.ypsc.ac.in
Affiliated to Shivaji University, Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA - 2.14)
Shri. A. Y. Patil
Secretary
Shri. R. Y. Patil
Chairman

Webinar conducted by Department of Zoology

Academic Year 2021-22

On the occasion of Wildlife Week, Department of Zoology has conducted the National Level Webinar on **"Importance of Wildlife and Strategies for its conservation"** during celebration of World Wildlife Week on 6-7 October, 2021. The first Resources person for webinar was **Dr. Suryakant Maske**, Assistant Professor, Department of Zoology, Shri Vijaysinha Yadav College Path Vadgaon. Sir has delivered talk on Biodiversity of Western Ghats and its threats. The second Resource person was Dr. Lagade V. M. topic was Wildlife, its threats and conservative measures with reference to Radhanagari Wildlife Sanctuary

Google Links of Webinar



SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra), India, Pincode: 416212

Affiliated to Shivaji University, Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA-2.18)

Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
President

COLLABORATION

Shri Yashwantrao Patil Science College Solankur,

Maejo University (Thailand)

Collaboration is signed on 05th Feb 2021 between **Shri. Yashwantrao Patil Science College, Solankur** (First Party) and Maejo University, Thailand. (Second Party). It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the collaboration. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.
2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
3) The collaboration will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
4) This collaboration may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the **05th Feb 2021**

Party	First Party	Second Party
Institute	**Shri Yashwantrao Patil Science College, Solankur.**	**Maejo University, Thailand.**
Signature		
Name & Designation	Dr. S. V. Madhale Head, Department of Botany	**Dr. Rameshprabu Ramaraj** Assistant Dean, School of Renewable Energy
Signature		
Name & Designation	Dr. G. G. Chougale Principal PRINCIPAL Shri Yashwantrao Patil Science College, Radhanagari, Dist. Kolhapur.	**Asst. Prof. Dr. Natthawud Dussadee** Vice President, Maejo University, Thailand.
Seal	Est Jun 2009 Dist Kolhapur	MAEJO UNIVERSITY

Est Jun 2009 Dist Kolhapur

II GYAN SEVA TYAG II

Shri Vyanknath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

Email: ypcsolankur@gmail.com / ypcsm.436.clg@gmail.com

Website: www.ypsc.ac.in

Affiliated to Shivaji University Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA=2.14)

Shri. A. V. Patil
Secretary

Shri. R. V. Patil
President

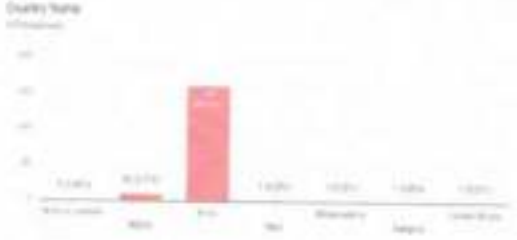
Activity Report

(Academic Year: 2020-2021)

Name of the activity	-	International e- conference organized by Dept. of Botany
Name of the organizing department/ support service	-	Department of Botany, Y. P. S. College, Solankur.
Organized in collaboration with	-	
Name of the Resource person(s)	-	
Date	-	05/02/2021
Venue	-	Online
Number of beneficiaries	-	150
Aim	-	Conservation of wild taxa- present scenario.
Outcome	-	Development of research attitude, sharing of updated research knowledge, competition, publication of articles


INTERNATIONAL e-CONFERENCE ON CONSERVATION OF WILD TAXA: PRESENT SCENARIO


SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR
RESOURCE PERSONS
CONSERVATION OF WILD TAXA: PRESENT SCENARIO




SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR
INTERNATIONAL e-CONFERENCE ON
CONSERVATION OF WILD TAXA: PRESENT SCENARIO
ORGANIZED BY
DEPARTMENT OF BOTANY
CERTIFICATE

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR
Taluka: Radhanagari, District: Kolhapur (Maharashtra, India), Pincode: 416212

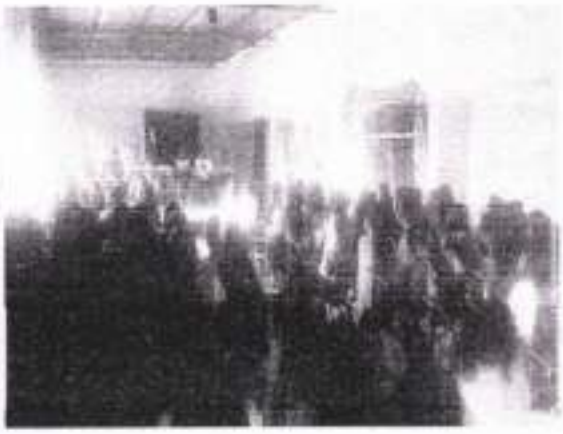
Shri. A. Y. Patil
Secretary

Shri. R. Y. Patil
Chairman

Date: 07 – 09 – 2019

Nirbhaya Pathak

The Langik Chhal Pratibandhak Committee invited the local police officers as a part of district nirbhaya pathak visit. The officers encouraged the girl students and discussed various issues. Dr S. B. Wali welcomed and introduced the guest. Dr M. S. Sutare expressed vote of thanks.



CO-ORDINATOR

PRINCIPAL
Shri Yashwantrao Patil Science College,
Solankur, Tal.Radhanagari, Dist.Kolhapur.

|| GYAN SEVA TYAG ||

Shri Vyankath Shikshan Prasarak Mandal's

SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India). Pincode: 416212

Email: ypvssolankar@gmail.com / ypvss.456.cla@gmail.com

Website: www.ypsc.ac.in

Affiliated to Shivaji University Kolhapur, MS, India || Accredited by NAAC with 'B' Grade (CGPA=2.14)

Shri. A. Y. Patil
Secretary

Shri. R. V. Patil
Chairman

Activity Report – Conference / Seminar

(Academic Year: 2018-19)

Name of the activity	-	**Conference – 2nd ICMES-2018**
Organized by	-	Department of Physics, YPSC Solankur
Date of Activity	-	7th & 8th December 2018
Time	-	9 am onwards
Venue	-	Shivaji University Kolhapur auditorium
Total Number of participants	-	more than 100
Name of Faculty	-	Dr RB Patil, Dr SH Tamboli, Dr AA Jatratkar
Objective	-	conference
Outcome	-	recent advances in nanomayerials and technology, worked as Editor of special issue published in in Scopus indexed journal,