

ACTIVITY REPORT  
WORKSHOP/ SEMINAR/  
CONFERENCE

A.Y. 2020-21

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**NATIONAL WEBINAR ON “HEALTH SAFETY & THE ROLE  
OF BIOTECHNOLOGY TO COMBAT COVID-19**

**14<sup>th</sup> August 2020  
2.00 pm - 4.00pm**



**D.S.T.S Mandal's**  
**V.G. Shivdare College of Arts, Commerce & Science, Solapur.**



**Late Shri V.G. Shivdare Memorial Week**  
 8<sup>th</sup> Aug 2020- 17<sup>th</sup> Aug 2020

### NATIONAL WEBINAR

## **HEALTH, SAFETY & THE ROLE OF BIOTECHNOLOGY TO COMBAT COVID-19**

**August 14<sup>th</sup>, 2020. 2pm-4pm**

### INVITED SPEAKERS



**Dr. Seema Tarannum**  
 Associate Professor  
 PES University, Bengaluru



**Dr. Jyoti Chidgupkar**  
 Consultant Microbiologist.  
 Ashwini Rugnalaya, Solapur

### REGISTRATION

**Please click here for registration**

**OR**

Copy the following URL in your web browser  
<https://forms.gle/4PmJ5fX9tg691Vyg7>

Webinar will be conducted via ZOOM.

**\*Registration is limited to 90 participants.**

**\*Certificate of Participation will be provided to registered participants**

For Queries Please contact : +91-9423330499; +91-8459895975; +91-8208000408

### ORGANIZERS

|                              |                                   |                                 |                                     |                                          |                                            |
|------------------------------|-----------------------------------|---------------------------------|-------------------------------------|------------------------------------------|--------------------------------------------|
| Dr. B.N. Kamble<br>Principal | Mrs. Gopika Manjunath<br>Convener | Dr. R. S. Dhanve<br>Co-convener | Dr. C. Naidu<br>Program Coordinator | Mr. L.R. Gote<br>Certificate Coordinator | Dr. A.B. Valsange<br>Technical Coordinator |
|------------------------------|-----------------------------------|---------------------------------|-------------------------------------|------------------------------------------|--------------------------------------------|

(Dr. B. N. Kamble)  
**PRINCIPAL**  
**V. G. SHIVDARE COLLEGE OF**  
**ARTS, COMMERCE & SCIENCE, SOLAPUR**

# NATIONAL WEBINAR ON “HEALTH SAFETY & THE ROLE OF BIOTECHNOLOGY TO COMBAT COVID-19

**14<sup>th</sup> August 2020**

## PROGRAM SCHEDULE

| Sr. No. | Timing    | Speaker/Topic                                                               |
|---------|-----------|-----------------------------------------------------------------------------|
| 1       | 2-2:10    | Introduction to the Webinar<br>(Dr. B.N. Kamble)                            |
| 2       | 2:10-2:15 | Introduction of Dr. Tarannum<br>(Dr. Chitra Naidu)                          |
| 3       | 2:15-3:00 | Role of Biotechnology in combating Covid-19<br>+Questions<br>(Dr. Tarannum) |
| 4       | 3:00-3:05 | Introduction of Dr. Chidgupkar<br>(Dr. R.S. Dhanve)                         |
| 5       | 3:05-3:50 | Health and Safety to combat Covid-19 + Questions<br>(Dr. Chidgupkar)        |
| 6       | 3:50-4:00 | Closing Remarks<br>(Mrs. Gopika Manjunath)                                  |

  
 (Dr. B. N. Kamble)  
**PRINCIPAL**  
**V. G. SHIVDARE COLLEGE OF**  
**ARTS, COMMERCE & SCIENCE, DEAP**

**Dr. Seema Tharannum , Associate Professor, PES University**

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**Dr. Seema** obtained Master of Science in Biotechnology from Mysore University , Master of Philosophy in Biotechnology from Bharathidasan University and PhD in Biotechnology from Kuvempu University. She is working as Associate Professor in PES University and has a total experience of 22 years in teaching. She had two funded projects, Principal Investigator for a UGC minor research project for 'Microbial mediated remediation of chromium in electroplating industry' for 1.5 Lakhs (2011-2013) and Co investigator for a CDAC sponsored project 'Detection of Pebrine spores' for an amount of 6 lakhs. (2014), the project has ended up in commercialization of the product under trade name PP solution (PES Pebrine solution) at Institute.

She has 12 International and National Journal publications and more than forty conference paper presentations. She has presented papers in India, Malaysia, Dubai, Thailand, Qatar and Singapore. She has guided more than forty post graduate and under graduate students groups and have organized national and International seminars, conferences and workshops at Institute. She has Organizational involvement aswell like: coordinator for Indian Red cross wing, Internal Audit committee, community development programs. She is member of board of studies of various colleges and chaired many sessions at international and national conferences. She has been invited to deliver guest talks at different levels.

  
 (Dr. B. N. Kamble)  
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Dr. Jyoti Chidgupkar, Head Dept. of Microbiology, Ashwini Sahakari Rugnalaya, Solapur

डॉ. सौ. ज्योती मिलिंद चिडगुपकर  
एम. डी. मायक्रोबायॉलॉजी, डी.सी.पी. पॅथॉलॉजी.  
या सध्या अश्विनी हॉस्पिटलमध्ये मायक्रोबायॉलॉजी  
विभागाच्या मुख्य आहेत.  
तसेच पंडीत दीनदयाळ उपाध्याय दंत महाविद्यालयात  
मायक्रोबायॉलॉजी विभागाच्याही मुख्य आहेत.  
त्यांचे शिक्षण इचलकरंजी, मिरज आणि सोलापूर येथे झाले आहे.  
त्यांचे पती हे भूलतज्ञ असून मुलगा श्वसनरोगतज्ञ आहेत.

त्यांनी मिरजेच्या वानलेस हॉस्पिटलमध्ये, डॉ. वैशंपायन मेडिकल कॉलेज,  
डॉ. माणिकराव चिडगुपकर मेमोरियल हॉस्पिटल आणि चिडगुपकर  
हॉस्पिटल प्रायव्हेट लिमिटेड येथे ही काम केले आहे.

त्यांनी त्यांच्या विषयात लेख लिहिले आहेत आणि परिषदेत  
भाषणे केली आहेत.

त्या इंडियन मेडिकल असोसिएशन आणि रोटरी क्लब ऑफ  
सोलापूर च्या कार्यकर्त्या आहेत.

इंडियन मेडिकल असोसिएशन, महाराष्ट्र स्टेट च्या  
1. वुमन्स विंग .2. बेटी बचाओ बेटी पढाओ 3. पी सी पी एन् डी टी. या  
समित्यांवर अध्यक्ष आणि उपाध्याक्ष या पदांवर काम केले आहे.  
यासाठी त्यांना वेळोवेळी पुरस्कार देऊन गौरवण्यात आले आहे.  
जून 2019 मध्ये नॅशनल इंडियन मेडिकल असोसिएशन च्या  
वतीने गोवा येथील कॉन्फरन्समध्ये वुमन एम्पावरमेंट अवॉर्ड  
प्रदान करण्यात आले.  
2020 मध्ये डॉक्टर्स डे निमित्त नॅशनल इंडियन मेडिकल असोसिएशन  
कडून त्यांना अवॉर्ड जाहिर झाले आहे.

रोटरी क्लब ऑफ सोलापूर च्या वतीने ही सलग तीन वर्षे त्यांच्या

  
(Dr. B. N. Kamble)  
**PRINCIPAL**

कार्याबद्दल पुरस्कार देण्यात आले.

त्यांना वाचनाची आवड असून त्या अभिरुची बुक क्लब आणि निहारिका बुक क्लब च्या सभासद आहेत. सूक्ष्मजीवशास्त्र या विषयात त्यांनी विविध व्याख्याने दिली आहेत. त्यांना पर्यटन आणि गाण्याची आवड आहे.

  
(Dr. B. N. Kamble)  
**PRINCIPAL**  
**V. G. SHIVDARE COLLEGE OF**  
**ARTS, COMMERCE & SCIENCE, DEWANI**

Workshop on  
“Research Paper & Review Writing Skills”  
31<sup>st</sup> August 2020  
2.00 pm to 4.30 pm

*V.G. Shivdare College of Arts, Commerce and Science*

## **WORKSHOP ON RESEARCH PAPER & REVIEW WRITING SKILLS**

**Date – 31/8/2020**

***\*Compulsory attendance for B.Sc. III and M.Sc II students***

Workshop conducted via Zoom. Invitation link will be sent on respective WhatsApp groups.

| <b>Time<br/>(pm)</b> | <b>Topic</b>                                       | <b>By</b>                                   |
|----------------------|----------------------------------------------------|---------------------------------------------|
| <b>2:00-2:45</b>     | Structure and Format of a Research Paper           | Dr. R. S. Dhanve                            |
| <b>2:45 -3:30</b>    | Structure and Format of a Review Paper             | Dr. V. Adki                                 |
| <b>3:30-4:00</b>     | Plagiarism and helpful tools for literature review | Dr. C. Naidu                                |
| <b>4:00-4:30</b>     | Q & A session                                      | Dr. R. S. Dhanve, Dr. V. Adki, Dr. C. Naidu |

***\*Compulsory attendance for B.Sc. III and M.Sc II  
students***

  
 (Dr. B. N. Kamble)  
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**ARTS, COMMERCE & SCIENCE, DEWA**

Workshop on  
“PCR: A diagnostic & investigative tool”  
10<sup>th</sup> September 2021  
2.00 pm to 4.00 pm



**D.S.T.S Mandal's**  
**V.G. Shivdare College of Arts, Commerce & Science**  
*Jule Solapur-1, Vijapur Road, Solapur-413004*

**Department of Biotechnology**  
**presents**

**Workshop**  
**on**

**"PCR : A diagnostic & investigative tool"**

An online interactive workshop to understand the principle behind experimental PCR with emphasis on qPCR and RT-PCR

**Thursday, Sep 10<sup>th</sup> 2020**  
**2:00pm-5:00pm**

**Topics**

Principle of PCR  
 Virtual PCR experiments  
 Primer designing  
 qPCR; RT-PCR  
 Applications of PCR  
 Other types of PCR

**For registration please contact**  
**Mrs. Swati Patil : 9503754620**  
**(Click here  -Registration Link)**  
**Fees : ₹100/- (Gpay-8208065636)**  
**\*Maximum participant intake-95**  
**For any further queries contact : 8459895975**

**Workshop designed and conducted by : Dr. Chitra Naidu**

**Chairman : Dr. B.N. Kamble**

**Convener : Mrs. Gopika Manjunath**

(Dr. B. N. Kamble)

**PRINCIPAL**

**V. G SHIVDARE COLLEGE OF**  
**ARTS, COMMERCE & SCIENCE, SOLAPUR**

# “PCR: A diagnostic & investigative tool”

## 10<sup>th</sup> September 2021

### Program Schedule

| <b>Sr. No.</b> | <b>Timing</b>           | <b>Speaker/Topic</b>                                                                             |
|----------------|-------------------------|--------------------------------------------------------------------------------------------------|
| <b>1</b>       | <b>2-2:10</b>           | <b>Introduction to the Webinar</b><br>(Dr. B.N. Kamble)                                          |
| <b>2</b>       | <b>2:10-3:30</b>        | <b>“Principle of PCR,<br/>Virtual PCR experiments,<br/>Primer Designing”</b><br>(Dr. C.U. Naidu) |
| <b>4</b>       | <b>3:40-5.00</b>        | <b>“qPCR, RT-PCR,<br/>Applications of PCR,<br/>Other types of PCR”</b><br>(Dr. C.U. Naidu)       |
| <b>5</b>       | <b>5 to 5.30</b>        | <b>Q&amp;A</b><br>(Dr. C.U. Naidu)                                                               |
| <b>6</b>       | <b>5.30 to<br/>5.40</b> | <b>Closing Remarks</b><br>(Mrs. Gopika Manjunath)                                                |

  
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(Dr. B. N. Kamble)  
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**ARTS, COMMERCE & SCIENCE, SOLAPUR**  
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Webinar on  
“New Frontiers and  
Opportunities in Biotechnology”  
10<sup>th</sup> April 2021  
11.30 am to 2.00 pm


**D.S.T.S Mandal's**  
**V. G. Shivdare College of Arts, Commerce & Science**  
**Solapur, Maharashtra**


**Department of Biotechnology**  
**presents**  
**Virtual Seminar**  
**on**  
**"New Frontiers and Opportunities**  
**in**  
**Biotechnology"**

**Saturday, 10<sup>th</sup> April 2021**  
**11:30 a.m. IST**

**Invited speakers**

|                                                                  |                                                                                                                             |                                                                           |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>Dr. Dwarakish G S</b><br>Professor<br>NIT<br>Karnataka, India | <b>Dr. Md. Tofazzal Islam, FBAS</b><br>Professor and Director (IBGE)<br>BSMR Agricultural University<br>Gazipur, Bangladesh | <b>Dr. P Roopa Sowjanya</b><br>Scientist,<br>ICAR-NRCP,<br>Solapur, India |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|

**Registration link : <https://forms.gle/iNS4UmmYnp3rxCUM9>**

**\*Registration Fees – Rs 100/- only!**


**Payment can be made through PhonePe - 9130583498**


**\* Free registration for International participants**

**Advisory Committee**

|                        |                        |                                                                                                                                    |                                                                                       |
|------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Dr. V.P. Dhulap</b> | <b>Dr. R. Y. Patil</b> |  <b>+91-8459895975</b><br><b>+91-8208000408</b> |  |
|------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

**Organizing Committee**

|                                     |                                   |                                       |
|-------------------------------------|-----------------------------------|---------------------------------------|
| <b>Dr. B.N. Kamble, Principal</b>   | <b>Dr. C. Naidu, Asst. Prof.</b>  | <b>Dr. A.B. Valsange, Asst. Prof.</b> |
| <b>Mrs. G. Manjunath, HOD</b>       | <b>Dr. V.S. Adki, Asst. Prof.</b> | <b>Mr. G.D. Chakre, Asst. Prof.</b>   |
| <b>Dr. R.S. Dhanve, Asst. Prof.</b> | <b>Mr. L.R. Gote, Asst. Prof.</b> | <b>Ms. R.D. Poidar, Asst. Prof.</b>   |

  
 (Dr. B. N. Kamble)

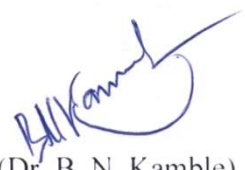
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Md. Tofazzal Islam is a Professor of the Department of Biotechnology of Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Gazipur. He obtained B Sc Ag (Hon) and M Sc (Ag) in Agricultural Chemistry from Bangladesh Agricultural University (BAU), securing First position in the First Class in both the cases in order of merit. He joined Bangladesh Open University (BOU) as a lecturer in 1994 and became an Assistant, Associate and Professor in 1997, 2004 and 2010, respectively. In July 1, 2010 he joined BSMRAU as a Professor of the Department of Biotechnology. Md. Tofazzal Islam went to Hokkaido University, Japan in 1997 with Japanese Government Scholarship (Monbusho), where he obtained his MS (1999) and Ph D (2002) in Applied Bioscience under the supervision of Professor Dr. Satoshi Tahara in the Laboratory of Ecological Chemistry. His MS and Ph D theses were involved in understanding cell biology of motility, taxis, viability and differentiation of zoospores of the oomycete phytopathogens when interacting with host and nonhost plant secondary metabolites. He has awarded a fellowship (2003-2005) from the Japan Society for the Promotion of Science (JSPS) to work on „signaling systems between root and rhizoplane microorganisms including oomycetes and their agricultural usage“ at the said laboratory of Hokkaido University. Dr. Islam got many prizes and medals for his outstanding academic and research accomplishments in fundamental understanding of cell biology and ecological chemistry of the oomycete phytopathogens, including the Food & Agriculture Award 2011 from Oxfam, CSRL and GROW, the University Grants Commission (UGC) Award in 2004 and 2008, the Best Young Scientist Award 2003 from the Japan Society for Bioscience, Biotechnology and Agrochemistry, Chancellor’s Prize in 1995 and a Gold Medal in 2003 from BAU, UGC Merit Award in 1990, and Prof. A. Karim Memorial Award in 1992. He published more than 100 research papers in national and international peerreviewed journals and books series, more than 90 articles in national dailies and periodicals, and eight course books. Most of his research contributions have been published in some world-leading international journals such as Molecular Plant-Microbe Interactions, Applied and Environmental Microbiology, Cell Motility and the Cytoskeleton, Journal of Agricultural and Food Chemistry, Phytochemistry,

Phytochemistry Letters, Phytopathology, Plant and Soil, Biological Control, European Journal of Plant Pathology, Bioscience, Biotechnology and Biochemistry, Journal of Pesticide Science, Journal of Basic Microbiology, World Journal of Microbiology and Biotechnology, Journal of Antibiotics, Marine Drugs, Journal of General Plant Pathology and so on. He presented research findings and chaired sessions in many international conferences/symposia in USA, UK, Germany, Japan, Italy, Netherlands, Hong Kong, Norway, Malaysia, China, South Korea, and Jamaica. Dr. Islam worked as an Alexander von Humboldt fellow (2007-2009) at Georg-August-Universitaet Goettingen, Germany with Prof. Dr. Andreas von Tiedemann in the Division of Plant Pathology and Plant Protection. He has been awarded Commonwealth Academic Staff Fellowship (March to May 2013) to work with Prof. Michele L. Clarke at University of Nottingham, UK. His research interests are concentrated in molecular plant-microbe interactions, natural products chemistry and applied environmental microbiology. He supervised a good number of MS and Ph D students, and actively involved in many professional networks/organizations at home and abroad. Over the years, he has established research collaborations with many scientists in Japan, China, UK, Germany, Netherlands, Korea, USA and Canada.

  
 (Dr. B. N. Kamble)  
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**ARTS, COMMERCE & SCIENCE, DEAP**

**Dwarakish G S**

Professor

Department of Applied Mechanics &amp; Hydraulics

National Institute of Technology Karnataka,

Surathkal, Srinivasnagar P.O. – 575 025

Dakshina Kannada District

Karnataka, INDIA.



E-mail: [dwaraki.gs@gmail.com](mailto:dwaraki.gs@gmail.com), [dwaraki@nitk.ac.in](mailto:dwaraki@nitk.ac.in),  
[hodappmech@nitk.ac.in](mailto:hodappmech@nitk.ac.in), Website: <http://nitk.ac.in/show/dwarakish-g-s>  
 Phone: +91- 824-2474000, Extn.3040, 3309 [Office]  
 +91-9483647308[Mobile]

**Education**

Ph. D., (Coastal Engineering, Remote Sensing & GIS), Institute of Remote Sensing, Anna University, Chennai, India (2001).

M.Tech. (Hydraulics) (1993), National Institute of Engineering, Mysore University, Mysore, India. Completed in First class with distinction.

B.Tech. (Civil Engineering) (1990), National Institute of Engineering, Mysore University, Mysore, India. Completed in First class with distinction.

College Education, National College, Basavanagudi, Bangalore, India.

High School Education, Ryots Education High School, Hanakere, Mandya, Karnataka, India.

Primary Education, Govt. Higher Primary Boys School, B. Gowdagere, Mandya, Karnataka, India.

**Professional Experience**

|            |            |                                      |
|------------|------------|--------------------------------------|
| 01 01 2018 | 31 07 2018 | Dean Planning and Development        |
| 27 03 2015 | 14 03 2017 | Professor and Head of Department     |
| 09-03-2015 | Till Date  | Professor [4-Tier Faculty Structure] |
| 17-02-2010 | 09-03-2015 | Professor                            |
| 17-02-2006 | 17-02-2010 | Associate Professor                  |
| 17-02-2003 | 17-02-2006 | Assistant Professor                  |
| 17-02-2000 | 17-02-2003 | Senior Lecturer                      |
| 17-02-1995 | 17-02-2000 | Lecturer                             |
| 08-08-1993 | 17-02-1995 | Assistant Lecturer                   |
| 1990       | 1991       | Site Engineer                        |

(Dr. B. N. Kamble)

**PRINCIPAL****V. G. SHIVDARE COLLEGE OF****ARTS, COMMERCE & SCIENCE, SURATHKAL**

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Webinar on  
“IPR and Patents: Frontiers and Opportunities”  
19/06/2021

Conducted via Zoom Meeting:

<https://us02web.zoom.us/j/88574746087?pwd=Qm5jOGGo5MFprVk4vTXpHNjBueS9mQT09>

Meeting ID: 885 7474 6087  
Passcode: 611609



Invited Speaker: Dr. Ajay Thakur

#### Contact

[www.linkedin.com/in/dr-ajay-thakur-62593987](https://www.linkedin.com/in/dr-ajay-thakur-62593987) (LinkedIn)

#### Top Skills

Project Management

Government

Strategic Planning

## Dr. Ajay Thakur

ASST. CONTROLLER OF PATENTS & DESIGNS AT GOVT. OF INDIA.

Mumbai Metropolitan Region

### Experience

Govt. of India

Assistant Controller Of Patents & Designs

September 2003 - Present (18 years 6 months)

Patent Office ,Mumbai

(Dr. B. N. Kamble)

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### INSAT : SERVICES

- TV Broadcasting
- Business Communications
- Mobile Satellite Services
- Radio Networking
- Search & Rescue Services
- VSAT Connectivity
- Speech Circuits on Trunk Routes
- Meteorology Imaging
- Data Collection Platforms
- Disaster Warning System
- Unique societal applications
- Developmental Communications
- Distance Education
- Tele-health
- e-Governance

zoom

#### Live chat

Top chat 48

11:42 Shubhada Upase Good morning everybody 🙏

11:45 Vasant Manure 🙏

11:49 Shubhada Upase Very important points by respected VC mam

11:50 V2S2 Channel Good morning everybody 😊😊

11:53 Vinayak Kalagate GM

11:54 Swati Patil 👍👍👍👍👍👍

11:57 Gauri Latane thanks mam 🙏

11:58 Ms.Shweta Sh... Thank you VC mam...It was very informative session. 🙏

Chat publicly as Laxmiputra Gote...

107K Personal Hotspot : 1 connections, Used 16.80MB 28%

### Close Participants (100)

Search

- Laxmiputra Gote (me) 🚫🔊➤
- CN Chitra Naidu (host) 🚫🔊➤
- AbdulBasit Shaikh (co-host) 🚫🔊➤
- a Ajay Thakur 🎥🔊➤
- D 203 Dhopare Vijayalaxmi 🚫🔊➤
- 210 Hari Priya 🚫🔊➤
- 3J 3001 Jayalaxmi Embatnal 🚫🔊➤
- 3003 DOKE PRATHAMESH 🚫🔊➤

raise hand yes no go slower go faster more

Invite

*(Signature)*  
 (Dr. B. N. Kamble)  
**PRINCIPAL**  
**V. G. SHIVDARE COLLEGE OF**  
**ARTS, COMMERCE & SCIENCE, SOLAPUR**



Invited speaker: Mr. Rajeev Taggar

Mr Rajeev Taggar is the CEO & Founder of Saikap Biotech.

Rajeev Taggar has been associated with the application of agri-biotechnology in the seed industry for over 20 years.

He established molecular breeding programmes and laboratories for Nunhems Zaden, India and Green World Genetics Sdn Bhd, Malaysia

He got Trained at the John Innes Centre, U.K., DSE, Germany, Nunhems Zaden, Netherlands, ICRISAT, India, NIAB, U.K., University of Nottingham (Malaysia Campus) and University of Reading, U.K. He is a National Talent Scholarship winner (NTSE).

  
 (Dr. B. N. Kamble)  
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"IPR & Patents - Frontiers and Opportunities"

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### Conclusions

SAIKAP BIOTECH

1. The role of biotechnology in supporting intellectual property rights (IPR) was discussed.
2. The need for specialized biotech expertise for catering to IPR requirements was highlighted.
3. Case discussed – the role of Ayurveda in Covid-19 control and related IPR implications
4. Case discussed – Monsanto-Govt of India tussle regarding Bt-cotton pricing
5. Case discussed – turmeric patent
6. Case discussed – DMH 11 mustard GM-hybrid

13/06/2021 Rajeev Taggar

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"IPR & Patents - Frontiers and Opportunities"

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*(Signature)*  
 (Dr. B. N. Kamble)  
**PRINCIPAL**  
**V. G. SHIVDARE COLLEGE OF**  
**ARTS, COMMERCE & SCIENCE, SION**

# Webinar on “Benefits of Probiotics”

24/06/2021

Conducted via Zoom Meeting:

<https://us02web.zoom.us/j/81182120983?pwd=ZkZucnN3U3dHcFh5TE43Y0FVZ2RsQT09>

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### Invited Speaker: Dr. Chethan JD

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#### Academic Qualifications

1. M.Sc., in Microbiology (2001) at Dept of Studies & Research in Microbiology, PG Centre, Kuvempu University, Davanagere.
2. **Ph.D.** in Microbiology (2008), on "**Screening, Characterisation and Optimization of Alkaline Protease Production Under Liquid Fermentation by *Aspergillus wentii* gr.**", at the Department of Microbiology, Gulbarga University, Gulbarga (2008).

#### Post-Doc Research/Professional Experience

- i. Worked as **Research Associate** under **Prof. R. Umashanker** at the SEC Lab, UAS, GKVK, Bengaluru, on 'Anticancer metabolite camptothecin and its derivatives from endophytic fungi' (**May 2007-Jan 2008**).
- ii. Worked as **DBT-Post Doctoral Fellow (DBT-PDF)** under **Prof. Usha Vijayrghavan**, at Dept. of Microbiology & Cell Biology, IISc., Bengaluru on 'Interaction studies of different pre-mRNA splicing factors and their role in splicing process of pre-mRNA in *Saccharomyces cerevesiae* and *Schizosaccharomyces pombe*' (**Jan 2008-May 2012**).
- iii. Worked as **Team Leader** (Head of R&D-Mol Bio) at **Samarth Life Sciences LLP Pvt. Ltd.**, Tumkur, was involved in designing and developing bio-pharmaceutic, therapeutic products-recombinant human peptide hormones (hCG, hMG, FSH) and microbial enzymes by fermentation process like L-Asparaginase II, Clindamycin and Hyaluronic acid (**May 2012-Mar 2014**).

- iv. Presently working as Assistant Professor in Dept. of Microbiology & Biotechnology, Karnatak University, Dharwad, involved in teaching, guiding P.G. & Ph.D. students of both Microbiology & Biotechnology courses (**Since March 2014**).

**Benefits of Probiotics**

### Microbial Diversity

- It is the relationship of microorganisms with one another and with their environment.
- Microbial ecology covers all over microbial processes that occurs in soil, water or air.
- 'Gut microbiome', measuring the makeup of microorganisms living on or in the human body.
- Previous research indicates that these microbiota can have distinct impacts on human health, either positive or negative, through metabolic or other processes.

Dr Chethanjd

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**Benefits of Probiotics**

### Probiotic Roles

- PROTECTION**
  - Pathogens (bacteria, parasites, viruses)
  - Toxins
  - Infections
  - Cancer
  - Gut lining
- ABSORPTION**
  - Vitamins like B12
  - Minerals iron and magnesium
  - Glucose
  - Fatty Acids
- PRODUCTION**
  - SCFA Butyrate
  - Vitamins k2
  - Enzymes
  - B-vitamins
- MODULATION**
  - IgA and IgG immune cells
  - B cells and T Killers cells
  - Inflammatory response
- FUNCTION**
  - Intestinal mobility (healthy bowel movements)
  - Bile creation and gastric secretion
  - Gatekeeper of what's allowed in blood stream
  - Immune function

**PROBIOTICS**

Dr Chethanjd

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*(Signature)*  
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