

# **Dr. Ambedkar College**

## **Department of Chemistry**

### **Book Launch Ceremony**

**Title: Phytochemicals: Extraction ,Separation and Analysis”**

**Authors: Dr. Deepa Panhekar, Ms. Trupti Sawant**

**Editor : Dr. D. P. Gogle**

### **Report**

Medicinal plants are considered a repository of numerous types of bioactive compounds possessing varied therapeutic properties. These bioactive compounds have contributed significantly in the development of various herbal therapies for a number of diseases across the globe. A wise selection of extraction strategy is vital to drug discovery as extraction forms the basic step in medicinal plant research. The book titled “**Phytochemicals: Extraction, Separation and Analysis**” has been written with the primary objective of making the various methods of extraction, separation and analysis of phytochemicals easily accessible to researchers, students and industrial scientists. The content of the book has been developed and arranged to provide a logical progression starting from methods of extraction, choosing correct solvent, screening, quantifying and completing all the steps by performing analysis.

The book’s authors are **Dr. Deepa Panhekar, Head, Department of Chemistry, Dr. Ambedkar College** and **Ms. Trupti P Sawant, Research scholar, Dr Ambedkar College**. The book is edited by Dr. D. P Gogle, Head, Molecular Biology and Genetic Engineering Department, RTM Nagpur University.

The book was released at the hands of **Dr. S. P. Kane, Hon’ble, Vice Chancellor, RTM Nagpur University** and **Dr. V. N. Waghmare, Director, Central Institute of Cotton Research, Nagpur**. Dr. S. P. Kane congratulated the authors, editor and publisher for bringing out a book of interdisciplinary nature which will be useful across many scientific domains.

At the book launch ceremony, Chief Guest, Dr. V. N. Waghmare in his speech while appreciating the commendable work done by the authors for including standardized selected methods for estimation, separation and analysis, suggested that this book will be useful to students and researchers of life sciences and in addition it will be of help in agriculture field as well. Effect of phytochemicals on insects, microbial flora and fauna is an important area of research in agriculture field he said.

**Mr. Vijay Shribas**, Head, Publications, Global Education Limited welcomed the audience and provided information about quality publication work undertaken by them for schools and colleges.

Dr Deepa Panhekar, main author of the book gave information about the book. She explained the purpose of writing this book of interdisciplinary nature. She informed that this book will be helpful to researchers who are actively involved in research in key domains of science such as botany, chemistry, biochemistry, zoology, biotechnology, genetic and molecular biology etc.

The book's foreword is written by **Dr. Rakeshwar Bandichhor, Director, Research and Development, Dr. Reddy's Laboratory, Hyderabad**. An internationally acclaimed scientist of high repute, after reviewing the book, Dr Rakesh has commented that the information captured in this book makes it an essential resource for natural product scientists working at the frontiers of research both in industry and in academia. He says this book can be regarded as a **benchmark** for the phytochemicals.

Prof. T. Srinivasu, Head, Department of Botany, RTM Nagpur University was the guest of honour. While appreciating the book, he quoted examples of turmeric which we Indians are using from ages which has various medicinal properties. Similarly, lot of phytochemicals are available in nature. This book will help young researchers to carry out effective tests for identifying phytochemicals he said.

Dr. Ambedkar College Management Members , Principal, Dr. Ambedkar College, Prof. R. V. Patil, Dr. Anil Hirekhan, COE and Deputy Registrar, Academic Section, RTM Nagpur University congratulated and conveyed their best wishes to the authors and publishers.

Dr. S. B. Nandeshwar, Retired Principal Scientist, CICR, Dr. R. S. Bedere, Asst. Prof. Dept. of Botany, RTM Nagpur University, Dr Rizwan, Dr Madhuri Thakre, Asst. Prof., Molecular Biology and Genetic Engineering Department, RTM NU, Dr Pratik Michael, Asso. Prof., Hislop College, Dr M N Bhajbhujje, HOD, Botany, Jawaharlal Nehru College, Wadi, Dr Vinod Dongre, Asso. Prof., Sevadal Mahavidyalaya, Nagpur, Dr Ajay Shrirame, Asst. Prof. Science College, Kalmeshwar, Dr Pradnya Anasane, Asst. Prof, Botany Dept. RTM NU, Dr Yashwant Bhorge, Pantawane college, Kamptee, Mr Rajesh Patil, Executive Director, Mahametro, Nagpur, Mr R G Panhekar, Mr Yash Panhekar, GM ,BSNL, Mr Anand Dhutraj, GM, Cognizant Technology Solutions, Mumbai, Mr Aryan Panhekar, ,Mrs Smita Patil, Principal, Adarsh Vidya Mandir and Dr Ambedkar college staff, Dr Archana Meshram, Dr Nimbalkar ,Dr B B Shende, Dr R C Sawant, Mr P. Deharkar, Ms Puja Bure, Mr Umesh Patil and Mr Prasanna Moon were prominently present during the programme. The programme was also attended by Global Education Limited staff and large number of post graduate and research students.

The programme was organised by Global Education Limited. The guests congratulated Mr. Vijay Shribas Publication Head at Global Education Ltd. for his immense efforts in domain of various books publications. Vote of thanks was proposed by second author of the book, Ms Trupti Sawant and the programme was compeered by Ms Ruchi Wasnik, Asst. Prof. Molecular Biology and Genetic Engineering Dept. RTM NU.



**GLOBAL EDUCATION**  
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You are cordially invited to attend

**A Book Launch Ceremony**  
to Celebrate the Publication of a Book  
**PHYTOCHEMICALS**  
Extraction, Separation and Analysis

on 06<sup>th</sup> May 2019, 3.30 pm.  
at  
**Department of Botany**  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.  
University Campus Amravati Road, Nagpur- 440033.

**Dr. Siddharthavinayaka P. Kane**  
Vice Chancellor  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.  
has consented to be the President

**Dr. V. N. Waghmare**  
Director  
Central Institute for Cotton Research (ICAR) Nagpur.  
Chief Guest

**Dr. Anil Hirekhan**  
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur  
Guest

**Dr. D. P. Gogle**  
Head, of Dept. Molecular Biology and Genetic Engg.  
RTM Nagpur University.  
Editor

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**Dr. Deepa Panhekar (Author)**  
Head, Dept. of Chemistry  
Dr. Ambedkar College Deekshabhoomi, Nagpur.

**Ms. Trupti P. Sawant (Author)**  
Research Fellow, Dept. of Chemistry  
Dr. Ambedkar College Deekshabhoomi, Nagpur.

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**Shri. Aditya Bhandari**  
Executive Director  
Global Education Limited, Nagpur  
Guest of Honour

From  
**Vijay Shribas**  
Head Publication  
**Global Education Limited**  
3<sup>rd</sup>, Floor Ulha Complex Kingsway, Nagpur -440001.  
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Book release at the hands of Hon'ble Vice Chancellor , Dr. S. P Kane . Dr. V. N. Waghmare and dignitaries at the book launch ceremony.



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Dr . V. N. Waghmare and Dr. T. Srinivasu speaking



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Authors Dr. Deepa Panhekar and Ms. Trupti Sawant speaking



# 'Books on subjects of scientific research need to be written'

■ RTMNU V-C Dr Kane releases book penned by Dr Deepa Panhekar and Trupti Sawant

#### ■ Staff Reporter

EXPRESSING concern over dwindling number in research, Dr S P Kane, Vice-Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU) said, "Research done on scientific subjects need thought-provoking approach. Books throwing more lights on such subjects with detailed analysis should be written that would guide students in future."

The book titled 'Phytochemicals: Extraction, Separation and Analysis' was released at the hands of Dr Kane and Dr V N Waghmare, Director, Central Institute of Cotton Research.

Prof. T Srinivasu, Head, Post Graduate Department (PGTD) of Botany, RTM Nagpur University was the guest of honour.

Dr Deepa Panhekar, Head, Department of Chemistry, Dr Ambedkar College, Deekshabhoomi and Trupti P Sawant, Research Scholar, Dr Ambedkar College are the authors.

Dr D P Gogle, Head, Molecular Biology and Genetic Engineering Department, RTMNU edited the book.

Dr Deepa Panhekar, main author of the book, gave information about the book. She explained the purpose of writing this book of interdisciplinary nature. The book's foreword is written by Dr Rakeshwar Bandichhor, Director, Research and Development, Dr Reddy's Laboratory, Hyderabad.



Dr S P Kane releasing the book authored by Dr Deepa Panhekar and Trupti Sawant. Dr Deepa Panhekar, Dr V N Waghmare and others look on.

He is an internationally acclaimed scientist of high repute, she added.

Dr Ambedkar College Management Members, Principal, Prof. R V Patil, Dr Anil Hirekhan, Director of Evaluation and Assessment, RTMNU congratulated and conveyed their best wishes to the authors and publishers.

The programme was organised by Global Education Limited. Guests congratulated Vijay Shribas Publication Head at Global Education Ltd.

Dr Deepa Panhekar expressed her gratitude towards her father-in-law R G Panhekar without his help she could not have completed the book. Taking note of this particular aspect, the organisers felicitated R G Panhekar.

Yash Panhekar, General Manager, BSNL; Dr S B Nandeshwar, Retired Principal Scientist, CICR; Dr R S Bedere, PGTD, Botany, RTMNU; Dr

Rizwan, Dr Madhuri Thakre, Molecular Biology and Genetic Engineering Department, RTMNU; Dr Pratik Michael, Hislop College, Dr M N Bhajbhujje, Jawaharlal Nehru College, Wadi; Dr Vinod Dongre, Sevalal Mahavidyalaya; Dr Ajay Shirame, Science College, Kalmeshwar; Dr Pradnya Anasane, PGTD, Botany; Dr Yashwant Bhorge, Pantawane College, Kamptee; Rajesh Patil, Executive Director, Mahametro; Anand Dhutraj, GM, Cognizant Technology Solutions, Mumbai; Aryan Panhekar, Smita Patil, Principal, Adarsh Vidya Mandir, Dr Archana Meshram, Dr Nimbalkar, Dr B B Shende, Dr R C Sawant, P Deharkar, Puja Bure, Umesh Patil and Prasanna Moon also were present.

Ruchi Wasnik, from Molecular Biology and Genetic Engineering, RTMNU compered the programme while Trupti Sawant proposed a vote of thanks.

# वैज्ञानिक संशोधनावर डॉ. दीपा पान्हेकर यांच्या ग्रंथाचे प्रकाशन

लोकशाही वार्ता / नागपूर

डॉ. दीपा पान्हेकर यांच्या वैज्ञानिक संशोधनावर आधारीत ग्रंथाचे प्रकाशन रा. तु. म. नागपूर विद्यापीठाचे कुलगुरू डॉ. सिद्धार्थविनायक काणे आणि डॉ. व्ही. एन. वाघमारे यांच्या हस्ते करण्यात आले. कार्यक्रमाच्या अध्यक्षस्थानी रा. तु. म. नागपूर विद्यापीठाच्या वनस्पतीशास्त्र विभागाचे विभाग प्रमुख प्रा. डॉ. टी. श्रीनिवासू होते. डॉ. दीपा पान्हेकर आणि तृप्ती सावंत यांचीही मंचावर प्रमुख उपस्थिती होती.

डॉ. दीपा पान्हेकर यांनी ग्रंथाविषयी माहिती देताना सांगितले की, या ग्रंथाचा उपयोग वैज्ञानिक संशोधन करणाऱ्या विद्यार्थी व प्राध्यापकांना होणार आहे. पुस्तकाची प्रस्तावना हैदराबाद येथील वैज्ञानिक डॉ. राकेश्वर



बंडीचोर यांची आहे. पुस्तकाचे प्रकाशन ग्लोबल एज्युकेशन लिमिटेड नागपूर यांनी केले. वनस्पतीशास्त्र, प्राणिशास्त्र, रसायनशास्त्र, जैवरसायनशास्त्र, जैव तंत्रज्ञान अनुवांशिकता आणि विकास या सर्व विषयांमध्ये जे विद्यार्थी संशोधन करतात त्यांच्यासाठी हे पुस्तक मोलाचे ठरणार आहे. प्रा. टी. श्रीनिवासू यांनी

आपल्या अध्यक्षीय भाषणातून हळदीमध्ये औषधी गुणधर्म आहे. हळद हे औषधी उपयुक्त आहे ते आपण फार पूर्वीपासून वापरत आहोत, असे आपल्या अध्यक्षीय भाषणातून सांगितले. डॉ. बाबासाहेब आंबेडकर स्मारक समितीचे सदस्य व महाविद्यालयातील प्राचार्य प्रा. आर. व्ही. पाटील व तसेच राष्ट्रसंत तुकडोजी महाराज नागपूर

विद्यापीठाचे परीक्षा नियंत्रक डॉ. अनिल हिरेखन यांनी डॉ. दीपा पान्हेकर यांचे अभिनंदन केले. या कार्यक्रमाला डॉ. यशवंत भोरगे, आर.जी. पान्हेकर, यश पान्हेकर, आनंद धुतराज, आर्यन पान्हेकर, डॉ. रत्नदीप सावंत उपस्थित होते. कार्यक्रमाचे संचालन रुची वसनिक यांनी केले. आभार तृप्ती सावंत यांनी मानले.

## वैज्ञानिक संशोधनावरील ग्रंथाचे प्रकाशन

म.टा. प्रतिनिधी, नागपूर

डॉ. आंबेडकर महाविद्यालयातील प्रा. डॉ. दीपा पान्हेकर यांनी लिहिलेल्या 'फायटोकेमिकल्स : एक्स्ट्रॅक्शन, सेपरेशन अँड अॅनालिसिस' या वैज्ञानिक संशोधनावर आधारित ग्रंथाचे प्रकाशन राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठाचे कुलगुरू डॉ. सिद्धार्थविनायक काणे व डॉ. व्ही. एन. वाघमारे यांच्या हस्ते अलीकडेच करण्यात आले. प्रकाशन सोहळ्याच्या अध्यक्षस्थानी विद्यापीठाच्या

वनस्पतीशास्त्र विभागाचे प्रमुख प्रा. डॉ. टी. श्रीनिवासू, तृप्ती सावंत यांची मंचावर उपस्थिती होती.

यावेळी ग्रंथाविषयी माहिती देताना डॉ. दीपा पान्हेकर यांनी, वैज्ञानिक संशोधन करणार्या विद्यार्थी व प्राध्यापकांसाठी हा ग्रंथ उपयुक्त ठरेल, असे सांगितले. वनस्पतीशास्त्र, प्राणिशास्त्र, रसायनशास्त्र, जैवरसायनशास्त्र, जैव तंत्रज्ञान अनुवांशिकता आणि विकास या सर्व विषयांमध्ये जे विद्यार्थी संशोधन करतात त्यांच्यासाठी हे पुस्तक मोलाचे ठरणार आहे. प्रा. टी. श्रीनिवासू आपल्या

अध्यक्षीय भाषणात, हळदीमध्ये औषधी गुणधर्म आहे, हळद हे औषधी उपयुक्त आहे ते आपण फार पूर्वीपासून वापरत आहोत, असे सांगितले. डॉ. बाबासाहेब आंबेडकर स्मारक समितीचे सदस्य व महाविद्यालयातील प्राचार्य प्रा. आर. व्ही. पाटील व तसेच राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठाचे परीक्षा नियंत्रक डॉ. अनिल हिरेखन यांनी या ग्रंथाचे स्वागत केले. प्रकाशन सोहळ्याला डॉ. यशवंत भोरगे, आर.जी. पान्हेकर, यश पान्हेकर, आनंद धुतराज, आर्यन पान्हेकर, डॉ. रत्नदीप सावंत उपस्थित होते.





## ग्लोबल एजुकेशन ने किया पुस्तक का विमोचन

नागपुर | ग्लोबल एजुकेशन लिमिटेड द्वारा हाल ही में प्रकाशित 'फायटोकेमिकल्स : एक्सट्रैक्शन, सेपरेशन एंड एनालिसिस' पुस्तक का विमोचन किया गया। किताब के माध्यम से संशोधनकर्ता, विद्यार्थी व औद्योगिक संस्थानों को एक्सट्रैक्शन, सेपरेशन एंड एनालिसिस करने की विविध पद्धतियों का ज्ञान होगा तथा संशोधन के लिए उपयोगी साबित होगी। पुस्तक के लेखक डॉ. आंबेडकर महाविद्यालय में रसायनशास्त्र विभाग विभाग प्रमुख डॉ. दीपा पान्हेकर तथा संशोधनकर्ता कु. तृप्ति सावंत है। संपादन आरटीएम नागपुर विश्वविद्यालय में मॉल्युकलर बाइलोजी एंड जेनेटीक इंजीनियरिंग विभाग प्रमुख डॉ. डी.वी. गोगले, सीआईसीआर, नागपुर के संचालक डॉ. एस.पी. काणे व डॉ. वी.एन. वाघमारे ने किया। ग्लोबल, एजुकेशन लि. में पब्लिकेशन विभाग प्रमुख विजय श्रीवास ने अतिथियों का स्वागत किया तथा कंपनी द्वारा प्रकाशित अन्य किताबों के बारे में जानकारी दी। डॉ. वीना पान्हेकर ने प्रकाशित किताब के बारे में जानकारी दी।

## ग्लोबल एजुकेशन लिमिटेडद्वारे पुस्तकाचे प्रकाशन



नागपुर : ग्लोबल एजुकेशन लिमिटेडद्वारे नुकतेच 'फायटोकेमिकल्स : एक्सट्रैक्शन, सेपरेशन अँड अॅनॅलिसिस' या पुस्तकाचे प्रकाशन करण्यात आले. या पुस्तकाच्या माध्यमातून एक्सट्रैक्शन, सेपरेशन अँड अॅनॅलिसिस करण्याच्या विविध पद्धती संशोधनकर्ता, विद्यार्थी व औद्योगिक संस्थांना उपयोगी होईल. पुस्तकाचे लेखन डॉ. दीपा पान्हेकर, तृप्ती सावंत यांनी केले. तर, पुस्तकाचे संपादन डॉ. गोगले यांनी केले. या पुस्तकाचे प्रकाशन नागपुर विद्यापीठाचे कुलगुरु डॉ. काणे यांच्या हस्ते करण्यात आले.