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Mahatma Gandhi Shikshan Mandals

Chopda-425107 Dist. Jalgaon (M.S.) India

E-NEWSLETTER

Smt. Sharadchandrika Suresh Patil College of Pharmacy,

(Affiliated to North Maharashtra University, approved by Govt. of Maharashtra, AICTE and Pharmacy Council of India)

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NEWSLETTER 2017-18

FOR INTERNAL CIRCULATION ONLY



PRINCIPAL MESSAGE

Editor- In-Chief

Dr. Gautam P. Vadnere,
Principal, Smt. S. S. Patil, College
of Pharmacy, Chopda

Editorial Team

Mrs. K. D. Patil
Mrs. S. S. Mahajan
Mrs. P. N. Jadhav

Published by:

Principal, Smt. S. S. Patil, College of
Pharmacy, Chopda, Jalgaon.



Prof. Dr. Gautam P. Vadnere

Principal, Smt. Sharadchandrika Suresh Patil, COP, Chopda

I am very delighted at the release of this newsletter, Smt. Sharadchandrika Suresh Patil, College of Pharmacy has emerged as the leading higher education provider in India. College has taken many initiatives and launched many co-curricular activities to inculcate interest and professionalism amongst its student. It highlights the events, activities, academic skill achievements of the students and staff of this college and other updates in the field of pharmacy. Congratulations to the editorial team for their determined efforts bringing out this newsletter.

PRESIDENT MESSAGE



Hon. Adv. Bhagyasaheb Sandeep Suresh Patil
President, M.G.S.M., Chopda

I am happy to know that the newsletter of SMTSSPCOP is releasing for the publication. This newsletter updates the curricular and co-curricular activities of the staff and student of the college. It is a matter of great pride that the college has made consistent progress, year on year, in academic and curricular activities.

I take this opportunity to congratulate the principal Dr. G. P. Vadnere and his team of committed staff members for the commitment towards value based quality teaching and unstinted efforts put in to ensure that each student is cared for

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OUR AFFILIATION



The Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (Formerly known as North Maharashtra University, Jalgaon) established on 15th August, 1990 under the Maharashtra Universities Act, XXIX of 1989, started its academic and administrative functioning from the academic year 1991-92. The University was awarded with **FOUR STAR** grade in the year 2001, **B grade** with **2.88 CGPA** in the year 2009 and **A Grade** with **3.11 CGPA** in 3rd Cycle re-accreditation in year 2015 by National Assessment and Accreditation Council (NAAC), Bangalore. As per the **National Institutional Ranking Framework (NIRF) - 2016** by Ministry of Human Resource Development, Government of India, **Kavayitri Bahinabai Chaudhari North Maharashtra University (Formerly known as North Maharashtra University)** ranked **59th** amongst **top 100 Universities and Institutes in India**. A splendid, unique & excellent multi Professional education campus Promoted by the NMU.

OUR INSTITUTION

Smt. Sharadchandrika Suresh Patil College of Pharmacy Chopda was established in 1992 as self financed pharmacy college in the North Maharashtra University, (NMU) Jalgaon. The institution has made a steady progress during last 25 years. In the year 2006 with the intention of making this institution a centre of higher learning, started M. Pharm. in Pharmaceutics (2006) later M. Pharm in Pharmacognosy (2007) and centre for Ph. D. in Pharmaceutical Sciences (2011). All the courses conducted in this Institution are recognized by Pharmacy Council of India, New Delhi, and All India Council for Technical Education, New Delhi. B. Pharm., M. Pharm. and Ph. D. courses are affiliated to North Maharashtra University, (NMU) Jalgaon.) Institute has been certified An ISO 9001-2008 in 2014 for quality management services. Recently institute has achieved NBA accreditation in August, 2016.

FROM THE EDITORS DESK

It gives us immense joy and satisfaction to finally re-introduce Smt. Sharadchandrika Suresh Patil, COP newsletter which contain all curricular, co-curricular, academic activities and current pharma updates which is helpful to student in a large extent. We express our sincere gratitude to Dr. G. P. Vadnere, Principal for his timely intervention, encouragement, immense help and guidance.



Mrs. K. D. Patil
(Dept. of Pharmacognosy)



Mrs. S. S. Mahajan
(Dept. of Pharmaceutics)



Mrs. P. N. Jadhav
(Dept. of Pharmaceutis)

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COLLEGE TOPPERS (2017 - 2018)

First Year B. Pharm. PCI

First



Ashwini Patil (82.1%)

Second



Yadniki Nehete (81.78%)

Third



Ashwini Patil (80.4%)

Second Year B. Pharm. CGPA

First



Mrunal Nhalade (76.96%)

Second



Harshali Songire (75.75%)

Third



Jyoti Madhavani (74.29%)

Third Year B. Pharm. CGPA

First



Ashwini Patil (80.00%)

Second



Bhagyashri Patil (79.00%)

Third



Shubhangi Katyare (77.00%)

Final Year B. Pharm. CGPA

First



Dipak Nerpagar (79.2 %)

Second



Ashwini Patil (79.00%)

Third



Mukunda Patil (75.00%)

First Year M. Pharm. Pharmaceutics (Sem. II)



Gajanan Patil



Sagar N. Patil



Sanjeevani Mahale



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M. PHARM PHARMACOGNOSY AND PHARMACEUTICS STUDENTS PROJECT NAME/THESIS

Sr. No.	Name of Student	Name of Guide	Title of Dissertation
1.	Sunny Sham Dhavale	Dr. G. P. Vadnere	Comparative Study of Mukdashukati Bhasma and Shankha Bhasma
2.	Chaudhari Nikita	Mr. Bharat V. Jain	Formulation and Evaluation of sustained Release Fast Disintegrating Tablet
3.	Rokade Nagesh	Mr. Bharat V. Jain	Solubility Enhancement of Bosentan Monohydrate by Solid Dispersion Technique.
4.	Anil Suresh Patil	Mr. T. Y. Shaikh	Formulation development and Evaluation of Itopride Sustained Released Tablet
5.	Kushal S. Patil	Mr. T. Y. Shaikh	Formulation and Evaluation of Gastro-Retentive Floating Bilayered Tablet of Furosemide.
6.	Namrata Rajaram Patil	Mr. T. Y. Shaikh	Formulation and Evaluation of Timolol Maleate Pulsatile Drug Delivery System for Effective Treatment of Hypertension.

JOURNAL AND CONFERENCE AND BOOK PUBLICATION

Sr. No.	Name of faculty	Journal Name	Year
1.	Dr. G. P. Vadnere	Int. J. Pharmacy & Pharm. Sciences Advance Pharmaceutical journal	2017 2017
2.	Dr. A. V. Patil	Indo-American Journal of Pharmaceutical Research Indo-American Journal of Pharmaceutical Research	2017 2017
3.	Dr. Santaram Lodhi	Int. J. Pharmacy & Pharm. Sciences Advance Pharmaceutical journal	2017 2017
4.	Md. Rageeb Md.Usman	Journal of Intercultural Ethnopharmacology Int. Journal of Pharmacy & Pharmaceutical Sciences Asian J. Pharmaceutical & Clinical Research Asian Journal of Pharmaceutical Research Int. Journal of Pharmaceutical Education & research World journal of Pharmacy & Pharmaceutical Sciences Scholars Academic Journal of Pharmacy Journal of Pharmacy research	2017 2017 2017 2017 2017 2017 2017
5.	Mr. Pralhad K. Kanake	Asian J. Pharmaceutical Res. & Development. IJPBS J. of Drug delivery & Therapeutics	2017 2017 2017
6.	Mr. Akshay S. Patil	Biomedicine & Pharmacotherapy Drug Discovery today Current Nano-sciences Expert opinion on drug delivery	2018 2018

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1. Dr. Gautam Prakash Vadnere, Dr. Santaram Lodhi, Dr. A. V. Patil, A book on Alkaloids, Innovare Academic Publication, Bhopal, India.
2. Md Rageeb Md Usmaan, Dr. Gautam P. Vadnere, Dr. Santram Lodhi, Text book of Environmental Sciences, Everest Publishing House, Pune.
3. Bharat V. Jain, MD. Rageeb MD. Usman "GATE/GPAT Pharmaceutical Sciences (PY) Solved Q. Papers (1988 TO 2012) With Model Exercise Papers", Success Publication.
4. Bharat V. Jain, MD. Rageeb MD. Usman "GATE/GPAT Pharmaceutical Sciences (PY) Competitive exam (GPAT, NIPER etc.) Solved Question Papers 6/2017, Upkar Prashan.
5. Md. Rageeb Md. Usmaan, Dr. Gautam P. Vadnere, Dr. Santram Lodhi, Textbook of Pharmacognosy and Phytochemistry Everest Publishing House, Pune.
6. Published Book Chapter -Role of flavonoids in management of inflammatory disorders, Rajesh Shukla, Vikas Pandey, Dr. Gautam P. Vadnere, Dr. Santram Lodhi, Elsevier Publication.
7. Md. Rageeb Md. Usmaan, Practical Instrumental Methods of Analysis, S. Vikas & company.
8. Md. Rageeb Md. Usmaan, Practical Human Anatomy & Physiology-II, Nirali Prakashan.
9. Md. Rageeb Md. Usmaan, A Practical on Pharmaceutical analysis-I, Everest Publication.

YOGA DAY: Mr. Swapnil Chaudhari and Mr. R. D. Wagh yoga teacher invited on 21st June 2017 On the occasion of yoga day.



VAN MAHOTSAV WEEK (1 July to 7 July 2017) Number of trees were planted by Principal, Dr. G. P. Vadnere, Teaching staff, non-teaching staff and students.



GUEST LECTURE ARRANGED BY COLLEGE Various experts having diversified experience in the field of Pharmaceutical Sciences were invited in the SSPCOP to update the knowledge of the students about the latest trends in the Pharmaceutical Sciences. The list of these expert talks is given below.

- [1] Mr. O. S. Sadhwani, Joint commissioner, FDA, Nashik had given guidance in relation to FDA department.
- [2] Dr. S. V. Amrutkar, Principal Nashik had given valuable guidance and discussed the Career Opportunities in pharmacy.
- [3] Mr. Joseph FDA, Jalgaon had given guidance on Drug and Food interaction and safety measures.
- [4] Mr. Anand Deshmukh Dr. Reddy's Lab, Yanam delivered lecture on "Innovations in Pharmaceutical Industry"
- [5] Dr. Ganesh Halde Asst. Prof. at university of Alabama, Birmingham.

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[6] Dr. Dinesh Rishi Pathak MET, Institute of Pharmacy, Nashik



Mr. O. S. Sadhwani(Joint commissioner, FDA, Nashik), Mr. Anand Deshmukh(Dr. Reddy's Lab, Yanam), Principal Dr. S. V. Amrutkar, Nashik delivering the lecture respectively.



Dr. Ganesh Halde Asst. Prof. at university of Alabama, Birmingham & Mr. Joseph FDA, Jalgaon & Dr. Dinesh Rishi Pathak MET, Institute of Pharmacy, Nashik delivering lecture & giving guidance.

TEACHERS DAY CELEBRATION (05/09/2017)

AUGUST KRANTI DAY OATH



E-BOOKS EXHIBITION AND GENERAL KNOWLEDGE COMPETITION: E – Books Exhibition & General Knowledge Competition arranged on the Occasion of Anniversary of Dr. S. R. Ranganathan, on 09/08/17.



FOOT BALL CAMPAIGN (15/09/2017)

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Inauguration of Football Campaign by the hands of Hon. Mr. Jeevan Chaudhari & Hon. Mrs. Manishatai Jeevan Chaudhari, Councillor of Chopda. Hon. Principal Dr. G. P. Vadnere with football team

INAGURATION OF ANNUAL MAGAZINE "VARSHGRANTHA 2017"

Releasing of Annual College Magazine "Varshgrantha" 2017 by the hands of Hon. Ad. Sandeep Suresh Patil, President of MGSM and Hon. Mr. Dilip Ramu Patil, MC Member NMU, Jalgaon.



TWO DAYS NATIONAL CONFERENCE ORGANIZED BY DEPARTMENT OF PHARMACEUTICS (28 & 29 SEPT.2017)

The programme commenced with the auspicious lighting of the ceremonial lamp by Hon. Guest Mr. O. S. Sadhwani, Joint Commissioner, FDA Nashik and Hon. Dr. Smitatai Sandeep Patil accompanied with Mr. Anand Deshmukh, Mr. Vijay Jadhav FDA, Jalgaon and all respected members. On second day of conference Poster Competition was inaugurated by Principal Mr. R. N. Patil & Dr. R. M. Bagul Principal Dr. G. P. Vadnere. Dr. B. S. Sathe, Dr. J. C. Hundiware and Dr. R. M. Bagul evaluated the posters in conference.

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ETHNO-BOTANICAL TOUR ORGANIZED BY PHARMACOGNOSY DEPARTMENT

Tour organized on 23 January 2018 at Unapdev (Nature Introduction Centre). In Ethno Botanical Tour introduction and identification of plant species was given by Mr. Dashrad D. Patil staff of Nature Introduction Centre Unapdev.



INTERACTIVE ACTIVITIES

AVISHKAR (21/01/2017)

MAITRI WORKSHOP (11/01/2017 to 13/01/2017)



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YUVARANG(27/01/2017)



YUVATISABHA 2017



FRESHER'S WELCOME: "SPARSH-2017" for First year B. Pharm and M. Pharm students has been organized at SSPCOP Campus dated on 07sep 2017. Freshers Day is a welcome party to newcomers and there is a need to be friendly and motivate juniors. Mr. Sachin Patil and Priyanka Patil was elected as Mr. and Miss Fresher's respectively.



OUR AWARDS WINNER



Mr. Rajesh Jadhav receiving first Prize in Chess

Mr. Sidhant Tajane received third prize in cartooning in Yuvarang at Amalner

Mr. Shaikh Mujamil receiving first Prize in Carom competition

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ACHIEVEMENT FOCUS



Felicitation of Principal Dr. G. P. Vadnere by Mrs. Ashatai Patil, Dr. Smita Sandeep Patil and Mr. Dilip M. Salunke for getting elected as BOS Member NMU, Jalgaon.



Mr. Bharat V. Jain Received Young Innovative Researcher Award at International Conference



Dr. B. S. Sathe Receiving the Best Research Paper Award at International Conference, Chennai.



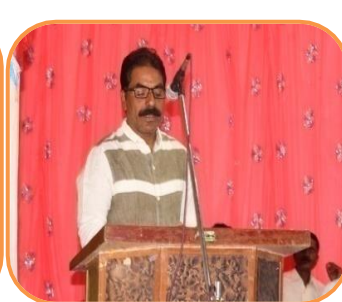
Felicitation of Principal Dr. G. P. Vadnere, Dr. A. V. Patil & Dr. B. S. Sathe by Hon. Vice President Ashatai Patil & Secretary Taisaheb Smita Sandeep Patil, Co-ordinator Mr. Dilip M. Salunke for getting elected as BOS member, NMU, Jalgaon.



Md. Rageeb as Co-Convener & Scientific Committee Member in National conf. Organised by COP, Hingoli on 3 Oct.2017 and received Young Scientist award.



PARENT MEET



Hon. Principal Dr. G. P. Vadnere with parents & Parent expressing views

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BIRTHDAY CELEBRATION OF HON. FOUNDER PRESIDENT DR.DADASAHEB SURESH.G.PATIL



Felicitation of Hon. Founder President Dr. Dadasaheb Suresh Patil on the Occasion of his birthday.



Blood Donation Camp organised on the occasion of birthday of Hon. Dr. Dadasaheb Suresh G. Patil.

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VALUABLE THOUGHTS AT OUTSIDE



Principal Dr. G. P. Vadnere as Resource Person at ASC Chopda



Dr. J. C. Hundiware as Resource Person at COP, Boradi



Dr. B. S. Sathe Resource Person at MSBTE Sponsored FDP & in Science forum ASC at Chopda.



Mrs. Kranti D. Patil Discussing in Workshop for PCI Syllabus reframing at COP, Shahada



INAUGURATION AND RELEASES

Inauguration and releasing of two books authored by Dr. G. P. Vadnere & Md. Rageeb inaugurated by Hon. Adv. Sandeep Suresh Patil & Dr. Nilesh Chaudhari and Prof. A. V. Patil, Mr. P. G. Sayagavi, Mr. R. N. Patil and also inauguration of Book authored by Mr. K. D. Baviskar, Md. Rageeb Md. Usman, Mr. Ujwal Patil released at the hands of Hon. O. S. Sadhwani, FDA, Nasik, Mr. Vijay Jadhav, FDA Jalgaon, Mr. Anand Deshmukh, Principal Dr. S. V. Amrutkar, Nasik & Principal Dr. G. P. Vadnere



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*"As time passes on,
we miss you more
forever in our
thoughts and
heart."*

05 Dec.2017

श्रद्धांजलि



SAVITRIBAI PHULE JAYANTI



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SHIVJAYANTI CELEBRATION



ANNUAL GATHERING: "Gandharva 2018" is inaugurated at the hands of student's parents with Principal Dr. G. P. Vadnere and all departments head on 27 Feb. 2018.



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PHARMA UPDATES

Nipah Virus Infection

Nipah Virus Infection (NiV) is an emerging infectious disease of public health importance in the South-East Asia Region.

NIPAH

OUTBREAKS

Nipah virus infection has proven to be fatal in 70 per cent of the cases. Since the first outbreak which happened in 1998 in Malaysia, the incidents of outbreak have occurred almost every year in Bangladesh and twice in West

The virus

The virus is named after the Malaysian village where it was first discovered. This virus along with Hendra virus comprises a new genus designated Henipavirus in the subfamily *Paramyxovirinae*.

Reservoir of virus

Fruit bats of the genus *Pteropus* have been identified as natural reservoirs of NiV. A seroepidemiologic study in Malaysia implicated four fruit bat species, *Pteropus hypomelanus*, *P. vampyrus*, *Cynopterus brachyotis*, *Eonycteris spelaea*, and an insectivorous bat, *Scotophilus kuhlii*.³ Nipah virus has been isolated from the brain and spinal fluid of victims in Malaysia.⁴ Infective virus has also been isolated from environmental samples of bat urine and partially-eaten fruit in Malaysia.⁵

The mode of transmission

Infected bats shed virus in their excretion and secretion such as saliva, urine, semen and excreta but they are symptomless carriers. The NiV is highly contagious among pigs, spread by coughing. Direct contact with infected pigs was identified as the predominant mode of transmission in humans when it was first recognized in a large outbreak in Malaysia in 1999. Ninety percent of the infected people in the 1998-1999 outbreaks were pig farmers or had contact with pigs.

Species susceptible to Niv: humans, pigs, bats, dogs, cats, goats and horses are sensible to Niv infection

Magnetic Bacteria- as Nanorobotics

Researchers at the Polytechnique Montreal NanoRobotics Laboratory have found that a bacterium called *Waters* with little oxygen, imbued with magnetic capabilities can be a way to deliver targeted loads of chemotherapy effects. The bacteria have adapted to the environment with magnetic nano crystals that act like a compass guiding them north, as well as oxygen sensors that lead them to the deeper waters. Many nanocarriers reach a tumour via passive delivery doesn't allow them to penetrate a tumour in a way that some of the tumours' most active parts remain intact. These are the tumours' hypoxic zones and are thought to be they are also known to have less oxygen than surrounding areas. These bacteria, led to a tumour using a programmed magnetic field, burrowed deep within to "find" the hypoxic zones. The researchers attached drug vesicles to the tumour. Normally, only about 2% of drugs make it inside. "The ability to actively and precisely target drug delivery to a tumour will help reduce side effects and potentially improve the efficacy of treatments.

Ref: <http://www.fiercepharma.com/drug-delivery/magnetic-driven-bacteria-get-drugs>

Axiostat: India's first USFDA- approved wound dressing product

It wants to focus on India and other emerging markets, while at some stage, perhaps sometime in 2019, it may also look at a for a Being touted as the first US Food and Drug Administration (USFDA) approved wound-care product from India, Axiostat stops uncontrolled bleeding from wounds. Easy to use, it is a handy pack of about 8X8 centimetres. The patch when applied on a wound reacts with blood and within a minute of application forms a clot and becomes an extremely sticky adhesive. Talking about the product, Leo Mavely, founder and CEO of Bengaluru-headquartered Axio Bio solutions, says, while the company was set up about a decade ago, it went commercial only in 2014. It got the approval from the US drug regulator in February this year. The company has so far supplied the product to the Indian army and some of the military and private (corporate) hospitals. "So far, we have shipped close to 450,000 units. About 18 months ago, we set up our own manufacturing unit (earlier used to outsource) in Ahmedabad with a capacity to make 850,000 units per annum and this we hope will handle demand for the next two

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years," says Mavely. The technology, he says, has a patent in India and is one of the first product in the world to have 100 per cent active ingredient - Chitosan - sourced from shellfish. "It is a novel biomaterial and we source it from shellfish. It has no protein content so is fully biocompatible for use in human body," says Mavely. The product is made 100 per cent from the active ingredient - Chitosan - and that is its USP. The company has already raised a total of over Rs 60 crore from Ratan Tata's RNT Capital (early this year) and earlier from Accel Partners and IDG Ventures India.

It wants to focus on India and other emerging markets, while at some stage, perhaps sometime in 2019, it may also look at a foray into the US market. It already has an office in Boston and is scouting for a partner in the US - could be a group purchasing organization or a large distributor that works with the public health system in the US. Axio Bio solutions has close to 100 employees, including those in the R&D, sales, production and quality into the US market.

Mushrooms of the Far East hold promise for the anti-cancer therapy 03 may 2018

Mushrooms from the Far East area contain the natural chemical compounds, which could be used for the design of the novel drugs with highly specific anti-tumor activities and low-toxicity. These compounds may offer new avenues for oncology, providing us with either stand-alone alternatives to chemotherapy, chemo preventive medicines, or drugs to be used in combination with other therapies. It contains the list of tumors, which were reported to be promising targets of the fungal compounds. Among them sarcoma, leukemia, rectum and colon cancer, stomach cancer, liver cancer, colon carcinoma and others. For the purpose of the current study scientists chose mushrooms widely used in Asian and Far Eastern folk medicine: *Fomitopsis pinicola*, *Hericium erinaceus*, *Inonotus obliquus*, and *Trametes versicolor*. These species of fungi were shown to selectively target certain malignant tumors. The desired effect is achieved thanks to the various bioactive compounds contained in the mushrooms: polyphenols, polysaccharides, glucans, terpenoids, steroids, cerebrosides, and proteins. These substances are not only capable to hit different critical targets within cancer cells levels but also in certain cases to synergistically boost the chemo. Scientists emphasize that four species of fungi were chosen due to the fact that their medicinal properties are relatively well described. Some of them are already actively used for the anti-cancer drugs manufacturing in certain countries. Undoubtedly, there are many other species of fungi that contain chemical compounds to defeat cancer cells. In ancient China mushrooms were considered as the most effective treatment for the various types of tumors. Contemporary fungo therapy (treatment by means of mushrooms) represents a promising field for scientific research. The natural chemical compounds contained in fungi have a huge therapeutic and particularly the anti-cancer potential that has not been yet fully studied", says Professor Vladimir Katanaev, Dr. Habil, Ph.D., Head of the Laboratory of Pharmacology of Natural Compounds of the Department of Pharmacology and Pharmacy of the School of Biomedicine, FEFU. Another co-PI and corresponding author of this work, director of the center for genomic and regenerative medicine of the School of Biomedicine, FEFU, Alexander Kagansky, notes that despite that the interest in mushrooms studying has been growing exponentially over the past 60 years, about 90% of the fungal species have never been analyzed for their antibiotic and antitumor activities.