



Dolphin Insight

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कृतज्ञ श्रद्धांजलि

बाबू जी : एक विचार, एक प्रेरणा

“ज्ञान विज्ञान तृप्तात्मा कूटस्थो विजितेन्द्रियः।
युक्त इत्युच्चेत योगी समलोष्टा मकोचनः।।

जिसका अन्तःकरण ज्ञान-विज्ञान से तृप्त है, जिनकी स्थिति विकार रहित है, जिन्होंने अपनी इन्द्रियों को जीता हुआ है और जिनके लिए मिट्टी, पत्थर एवम् स्वर्ण एक सामान है।

ऐसे स्थित प्रज्ञः मनुष्य को ध्यान करने पर स्वयं ही बाबू जी की छवि का स्मरण हो जाना स्वाभाविक है। डॉलफिन परिवार के संरक्षक बाबू जी स्वर्गीय श्री राम निवास गुप्ता जी दिनांक 11 अगस्त, 2018 को अपने नश्वर शरीर का त्याग कर अपनी महाप्रयाण यात्रा के लिये प्रस्थान कर गये। उनका ओजपूर्ण व्यक्तित्व, शालीन मुस्कराहट तथा कार्य सदैव उनको हमारे संस्मरणों में अमर रखेंगे तथा हमारा मार्ग दर्शन करेंगे।

बाबू जी ने अपने कैरियर की शुरूवात भारत सरकार के सूचना एवम् प्रसारण मन्त्रालय में बतौर अधिकारी की। अपने पारिवारिक और व्यावसायिक दायित्वों से समय निकाल कर आप समाज सेवा के लिये भी सदैव तत्पर रहे और सेवानिवृत्ति के पश्चात् आपने अखिल भारतीय जनकल्याण संस्था नई दिल्ली में केन्द्रीय महामन्त्री का दायित्व स्वीकार किया।



स्व० श्री राम निवास गुप्ता जी
(05.12.1932 - 11.08.2018)

अब सेवा के कार्यों को अधिकांश समय देने के चलते आपके संयोजन व मार्गदर्शन

क्षमता आपके विराट व्यक्तित्व को सभी के लिये आदर्श और प्रेरणा स्रोत बनाते हैं।

में समाज के निर्धन, अशिक्षित व पिछड़े वर्गों तक निःशुल्क चिकित्सा सुविधा पहुंचाने के लिये उद्देश्य से पिस्तो देवी परामर्श स्वास्थ्य केन्द्र की स्थापना की गयी। आपने समाज सेवा से जुड़े इसी प्रकार के अनेक कार्यों को सदैव आगे आकर संचालित किया और जीवन के आखिरी दिन तक इन कार्यों में लगे रहे।

आपका मैत्रीपूर्ण स्वभाव, निष्पक्षता, शालीनता, सत्यनिष्ठा, समदृष्टिकोण, कर्मयोग, मुस्कराहट, समाज सेवा और नेतृत्व

Two Days Multipurpose Disabled Help Camp

- All appreciated the students of Dolphin Students Welfare Committee (D.S.W.C.) for their service attitude during disabled help camp
- More than 2000 disabled were benefited by the camp

Harshal Foundation, Doon Sanskriti and Amar Ujala Foundation in collaboration with Dolphin Institute organised two days multipurpose help camp on 29th & 30th September 2018 at Agarwal Dharamshala, Dehradun for disabled. A plethora of services like free health check ups, artificial hand & foot, Physiotherapy, shoes, hearing machine, wheel chair, tricycle, crutches, Aadhar Card, Disability Certificate, Roadways bus pass, Information of skill development schemes, self employment schemes, disabled Pension schemes, Aayushman Bharat Yojana, Yoga and related facilities, available bank services by Dena Bank and many other related information and facilities were provided at a single platform.

The camp was inaugurated by Madan Kaushik, Cabinet Minister, Govt. of Uttarakhand and the chief guest of the day, M.L.A. Rajpur constituency Khajan



Das, Organizer Rama Goyal, Amrit Lal, Shyam Sundar Goyal, Dean (C.S.R.) OF AIIMS Rishikesh Dr. Virendra Singh and Director Dolphin (P.G.) Institute, Dehradun Dr. Arun Kumar. Shri Madan Kaushik in his speech emphasized that besides the govt. it is also the moral responsibility of the society to help and uplift the disabled. He further said that the works to motivate and develop the confidence

and respect in disabled should be done continuously and this can be achieved only by the joint efforts of different groups in the society. He added that social work is tough work but this is the only work which gives the most satisfaction.

The camp was an outstanding success in providing assistance and relief to the large number of disabled who have gathered from far and wide.

Dolphin Institute Felicitated 2018 Toppers of Uttarakhand Board



C.M. in meritorious felicitation programme

Dolphin Institute in collaboration with Amar Ujala news paper organized a programme on 29 July 2018 to felicitate the 2018 toppers of Uttarakhand Board. The programme was organized in Hotel Saffron Leaf, Dehradun. A Total 78 students were honored on the occasion (three toppers each of High School and Intermediate from all 13 districts). The Chief Minister of Uttarakhand Shri Trivendra Singh Rawat, Education Minister Shri Arvind Pandey, Higher Education State Minister Dr. Dhan Singh Rawat, Forest and Environment Minister Shri Harak Singh Rawat & Chairman of Dolphin Institute Shri Arvind Gupta along with other dignitaries graced the occasion.

In the programme Shri TS Rawat advised the awardees to use their energy and strength in right direction so that they may touch the great heights of success. He said that they have to try to develop their strength

continuously under the guidance of capable teachers for facing challenges in future. He further advised the awardees to decide their goals and follow it in full earnest. He added that many of the awardees belong to poor families and the State Govt. will think of how to support them for further studies. Education Minister Shri Arvind Pandey congratulated the students who brought laurels to their schools and districts and said that this honor will always give them inspiration to move forward. Higher Education State minister Dr. Dhan Singh Rawat met individual awardees personally and appreciated them for their efforts. The Chairman of Dolphin Institute, Shri Arvind Gupta, honored 65 toppers of Uttarakhand Board with marvelous wrist watches.

On the occasion Shri Arvind Gupta informed that Dolphin Institute is always ready to help & uplift poor and socio-economically backward meritorious students. Chief Minister of Uttarakhand appreciated the efforts by Dolphin Institute, Dehradun & other organizations for extending a helping hand. Many faculty and staff of the Institute were present on the occasion.



The felicitated students

Dolphinites won every ones heart with their dedicated service in the Disability camp

The students of Dolphin Institute won praise from everyone for their dedicated service and compassion towards disabled attending the two days camp on Saturday 29th September 2018 and Sunday 30th September 2018. The 55 Students of Dolphin Students Welfare Committee under the leadership of DSW Shri Vipul Garg were engaged in serving the disabled in the camp from early morning to late evening. The voluntary services they provided ranged from lifting the disabled to the Doctors, arranging the food and drinking water for the



OSD Smt. Arti Gupta & Students of DIBNS with disabled

patients and guiding them about the location of various key points; they were always available everywhere for everyone. Our students also helped the disabled in getting the artificial parts of human body, diagnosis of their ailments by facilitating different services.

From Chairman's Desk...

Students and Social Service



Students are the makers of future society. They are future leaders of the nation. They are the soldiers of social peace. They should serve without any selfish motive to build up a society free from exploitation corruption and poverty, utilizing their merit and patriotism. Generality it is though that student are born to read to study books to prepare themselves for examination. But being a conscious section of the society they cannot remain callous towards their social duties.

The home and the educational institution of a student are the places where he imbibes the spirit of social-service; hence it is considered an important part of the school/ college activities. Since besides studies, students have ample time for games, sports and amusements. They can better utilize a portion of their leisure in rendering some useful service to society.

Students can render social service in many ways. In India large number of the people are still illiterate. For the upliftment of the country it is essential to teach them at least the three R's, i.e., elementary knowledge of reading, writing and arithmetic. During their leisure hour's students in groups can take upon themselves the task of teaching illiterate people.

Small night schools may be set up in their locality for this purpose. If they earnestly do it, illiteracy may be reduced up to a great extent. It will be doing a great service to society in particular and the nation as a whole, because today illiteracy is a great obstacle in the way of improvement of society. If the students can teach them how to observe the common symptoms of deceases, health and the sanitation they may be free from many illnesses. To make the nation free from deceases shall be a great social service for the upliftment of the country.

Studying is the main occupation of students. But, being youthful and energetic, they can engage themselves in various forms of social work in their spare time and in moments of crisis and can alleviate the sufferings of the persons in distress.

- If a student helps a blind man cross a road it is a service done to humanity.
- A group of students can render service to people ravaged by flood, cyclone, famine and earthquake.
- Students are the enlightened lot. So, they can remove superstition, blind faith, ignorance of the illiterate.
- They can help the nation in the removal of illiteracy.
- Students can teach them to take health care.
- They can take active part in the national scheme of afforestation.
- They can look to the sanitation of their own area.
- The students may have a role to play in awakening public opinion against social evils like drug addiction, casteism, dowry system, by taking out procession or organizing seminars.
- They can nurse the sick, donate blood, and hospitalize them in time of need. In any kind of accident students can render considerable help.

The students of today, lays the foundation stone of future society. The society should give students the love and encouragement due to them, and see that their studies are not unduly hampered.

Students should keep in mind one thing. Charity begins at home. It is a student's first and foremost duty to serve his parents, brothers and sisters, his kith and kin. A student, who does not render service to the members of his own family, cannot serve the distressed section of the society.

New Faculty

- Dr. Kanika Issar, Ph. D., M. Sc. Agriculture joined as Assistant Professor in Department of Horticulture from 2nd July, 2018.



- Mr. Shiv Sharan Singh, M.Sc. Biochemistry, joined as Assistant Professor in Department of Biochemistry from 1st August, 2018.



- Dr. Shalini Agrawal, Ph.D. Animal Science, M.Sc. (Ag.), NET joined as Assistant Professor in Department of Agriculture from 11th July, 2018.



- Mr. Amrish Rai, M.Com joined as Assistant Professor in Department of Commerce from 20th August, 2018.



- Ms. Divya Rawat, M.Sc. (Ag.), NET joined as Assistant Professor in Department of Agriculture from 16th July, 2018.



- Dr. Morajdhawj Singh, Ph.D., M.Sc. (Ag.) joined as Assistant Professor in Department of Horticulture from 28th August, 2018.



- Ms. Shilpi Naik, M.Sc. (Ag.), NET joined as Assistant Professor in Department of Agriculture from 16th July, 2018.



- Mrs. Priyanka Nautiyal, M.Tech., NET joined as Assistant Professor in Department of Physics from 4th September, 2018.



- Dr. Deepali Rana, Ph. D., M. Sc. Zoology, joined as Assistant Professor in Department of Zoology from 1st August, 2018.



- Ms. Priyanka Verma, Ph.D., M.Sc. Horticulture joined as Assistant Professor in Department of Horticulture from 17th September, 2018.



Indian Nobel laureates 2014 Nobel Prize for Peace : Kailash Satyarthi

Prize motivation: "for their struggle against the suppression of children and young people and for the right of all children to education"

Work

Much of the world's population, especially in poor countries, is made up of children and young people. To achieve a peaceful world, it is crucial that the rights of children and young people be respected.

Following the tradition of Mahatma Gandhi, Indian activist Kailash Satyarthi has waged a peaceful



struggle to stop children being exploited as labor instead of attending school. He has also contributed to the development of international conventions on the rights of children.

Background

Born: 11 January 1954, Vidisha, India

Residence at the time of the award: India

Affiliation: Bachpan Bachao Andolan, India

Institute commenced it's the new Academic session (2018-19) with Sundar Kand Path & Bhandara

Traditionally every new academic session in the institute starts with worshipping in ancient Mahamaya Maa Balasundari Devi temple located near the premises of the institute. Like earlier years this year also the new session started with Sundar kand path and Bhandara on September 1st 2018.



Devotees listening recitation of Sunder Kand

The programme started with "Hawan" in which management, faculty, staff and students offered "Aahuti" for peace, prosperity and success for all in the coming session. The Bhajan singers Shri Hariom Vatsa & Smt. Sandhya Vatsa with their team

recited melodious and devotional sundar kand path, which made every one present in the programme spell bound and spiritual. After the Sundar Kand path the bhandara was



Gathering of devotees before Ma Bala Sundari Temple

distributed. More than 600 people took the prasad and felt blessed. Management, faculty, staff and students expressed their gratitude to Mahamaya Maa Balasundari Devi and Bajrangbali Hanuman ji and also prayed for a better life for one and all.

Celebration of 72nd Independence Day

Dolphinites celebrated the 72nd Independence Day in the Campus on 15th August 2018. The Director and the Principal together hoisted the National Flag and offered floral tribute to all the freedom fighters of the Nation along with the faculty, staff and students of the institute, who participated in the celebrations in large numbers with patriotic fervor.

After the flag hoisting the National Anthem recitation was undertaken by everyone. In his address Dr. Arun Kumar, Director of the institute stated that "On this day, let all of us join in paying our respectful homage to the great personalities who sacrificed their lives and fought for the independence of our country, re-

ignite our hearts with patriotic manifestation, re-resolve to maintain unity in diversity and work towards strengthening the nation in all its dimensions through hard work, adopting high ethical standards, spirited performance of duties and innovations to bring in positive differences to the society". He reiterated the students to adopt bicycle culture in their daily routine to improve green technology and wanted them to strive to make the



Flag hoisting on Independence Day

institution a truly national level institution by setting standards with proper teaching learning.

Principal Dr. Shailja Pant, Director Dr. Arun Kumar, HODs of different departments along with faculty and students and Admin staff attended the programme. On the occasion sweets were served to everyone.

Distinguished Alumni



Tarun Kumar Singh passed his M. Sc. Microbiology (2009-11) from Dolphin (PG) Institute with an aggregate of 68%.

He strated his career with Jubilant Life Sciences Ltd (USFDA Approved), Roorkee (U.K.) as Officer Q.C. since 1st August 2011 to 5th September 2013 (2nd years). Thereafter he joined Jagsonpal Pharmaceuticals Ltd (EU

GMP Approved), Rudrapur (U.K.) as Officer Microbiology since 6th September 2013 to 24th December 2014, Pfizer Ltd, Goa as Executive Q.C. since 06th January 2015 to 29th July 2017 and Presently working with Windlas Healthcare Ltd (USFDA Approved), Dehradun (U.K.) as Senior Executive Q.C (Microbiology) since 09th August 2017 to till date.

- Last but not the least, individually represented the microbiology department in US FDA AUDIT

(2013) in Jubilant Life Sciences and successfully completed the task with special appreciation of US FDA AUDITORS.

- Certified Appreciation by the Management of Jagsonpal Pharmaceuticals Ltd. for successful completion of task in EU GMP Audit.
- Pfizer MSQA, Frost Sullivan successful completion of task.
- Windlas Healthcare Ltd, USFDA Audit 2018, successful completion of task.

Faculty Felicitation

Dr. Aasheesh Raturi, Head Department of Physics made the DIBNS proud by winning the Global Teacher Award, 2018 by AKS Education. AKS Education Award is the sister concern of Alert Knowledge Services run under the umbrella of AKS World Wide Pvt.Ltd., Gurugram, NCR, India. A group known for serving 6000 plus educational Institutions in India

and Abroad for Training, Rewards and Recognition and Consulting Services for academic quality Improvement. The awards had a total of 56,000 nominations from all over the world out of which only 480 teachers from 28 countries were adjudged the winners. The awards were given away by Shri. B.K. Singh, Commissioner, Ministry of Human Resource

Development, Government of India. The event was held on 16th September 2018 at Ocean Pearl Retreat Hotel, New Delhi.



Editor's Column...

The menace of Ragging

The use of offensive language, teasing, criticizing, scolding or nagging of a new student some times, takes place in schools and colleges. It is undertaken by senior students subjecting the fresher during mock interviews. Some studies states that ragging is a socio-cultural issue while others see it as a form of initiative ritual. Ragging is supposed to have its origin in certain European Universities where seniors played practical jokes at the time of welcoming the fresher to the institutions. Gradually, the practice of ragging became prevalent throughout the world. However, with time, ragging assumed obnoxious and harmful connotations and was severely condemned.

There are numerous negative impacts of ragging which include psychological problems, fighting, causing injuries, and even deaths and raise social aversion in a particular group. Many students develop fear and terror that reduce their trust and ability to develop friends; hence they start living in isolation coupled with trauma. Indeed, it is noted that its adverse effects outweighs the benefits, hence it should be abolished.

Ragging results in assaults especially of new students. This practice or of teasing of the beginners by senior students, is currently has become a tool for mistreating and punishing poor students new comer on the pretext of disobeying when they contravene their senior peers. Poor students are typically assaulted and intimidated by other students who leave a permanent mental mark in their minds. The assault typically haunts the students for the rest of their lives and result in psychological disorders. These students develop a feeling of revenge and frequently derive pleasure from teasing their junior colleagues in turn. Similarly, continuous ragging causes psychological imbalance too. The emotional vulnerability that develops in the mind of the student leads to frequent outbursts. A new student who is teased on a regular basis may become angry, loose temper and starts feeling isolated and detached from their school world, howsoever pleasant it is. The fact that school, for them, becomes a space where they are continuously rejected, renders them fragile and prone to depressions, fear, and anxiety. A student who undergoes ragging develops a feeling of inferiority that decreases and weakens their self-esteem and mental ability tremendously. In spite of having excellent track record in studies, they start trailing behind.

Ragging is experienced in high schools and colleges primarily perpetrated by the junior students or newcomers as a welcoming interview or initiative ritual. It has been noted that this kind of habit causes lot of problems ranging from psychological issues, physical injuries and even deaths of the victims. On a separate note, the perpetrators also are affected to a greater extent since they become sadists and defiant to the laws hence they face prosecution among other impacts.

In conclusion, ragging is a problem of the students and by the students; and therefore, the solution to it also lies with the students. With ragging becoming rampant in colleges, it is about time that the student community awakens its conscience to this inhuman practice before more and more innocent students become victims of it and before more and more educational institutes are degraded by it.

CME / Workshop / Conferences

Role of Balls and Bands in Rehabilitation & Fitness

Department of Physiotherapy organised a two days hands on workshop on 'Role of Balls and Bands in Rehabilitation and Fitness' from 11th to 12th Aug. 2018. The techniques were taught by Dr. Mahendra Yadav, MPT (Sports), Abu Dhabi. He has conducted more than 50 workshops around the country and abroad for physiotherapy professionals and trained many eminent physiotherapist in skills of the therabands. Dr Mahendra Yadav is a certified Theraband instructor from Theraband Academy, USA since 2010. Presently he is the only silver level instructor in India. 37 delegates from Dolphin Institute and other physiotherapy institutes of

Dehradun participated in the workshop. The workshop enhanced clinical decision-making and problem solving skills for rehabilitation at all levels including athletic trainers, physical and occupational therapists. The intensive workshop included lecture and hands-on lab activities using progressive elastic resistance and progressive proprioception exercises using exercise balls and balance training devices. Dr. Yadav focused on TheraBand exercises as part of Dynamic Neuromuscular



Participants in Physiotherapy workshop

Stabilization (DNS) Program, balance and resistance training.

Faculty members of the department were present in the workshop to encourage the students for upgrading their knowledge. Students showed keen interest and the practical session was full of training and enquiries.

Teachers Day Celebration



A scene of Teacher day celebration

Teachers Day celebrations were organised by the students in every department on 5th September 2018. The Students of individual departments separately conducted various cultural activities to felicitate their teacher & also presented them with mementos. Students also arranged tea party for them.

Physiotherapy: Boon for disabled

In the multipurpose disability assistance camp the Physiotherapy team of Dolphin institute comprising Dr. Deeti Warikoo, Dr. Vivek Chauhan, Dr. Sunil Bhatt, Dr. Kapil Garg, Dr. Richa Agarwal, Dr. Deepti Mathur along with 15 U.G. & P.G students provided various physiotherapy services with utmost devotion & dedication and to hundreds of patients. Not only they gave physiotherapy treatment to



A glimpse of disability help camp



Students of Dolphin providing Physiotherapy Services

disabled but also apprised them about proper physiotherapy activities. Dr. Vivek Chauhan enlightened the patients that the Physiotherapy is the most beneficial treatment for disabled and regular Physiotherapy can cure the disability permanently.

It was a big success with a large number of patients in the camp.

बाबू जी : एक विचार, एक प्रेरणा...

“मनीषी नैसर्गिकता में अपना देहरूपी चोला बदलते हैं, लेकिन उनके विचार उनको अमरत्व प्रदान करते हैं”

बाबू जी बचपन से ही कर्मठ, निर्भीक, ईमानदार और समाज सेवा में तत्पर रहने वाले व्यक्तित्व रहे। समाज में या व्यक्ति विशेष की भी कोई समस्या रही हो वे हमेशा प्रस्तुत रहे और इसके समाधान के लिये वे बड़े से

बड़े अधिकारी और नेता के पास जाने से भी नहीं डरते थे। सन् 1975 में जब वे भारत सरकार में राजपत्रित अधिकारी थे तो उन्होंने आमजन पर हो रहे अत्याचारों का विरोध किया तो भारत सरकार ने उन्हें इमरजेन्सी का विरोध करने के कारण नौकरी से बर्खास्त कर जेल में डाल दिया। लेकिन वे डरे नहीं और उन्होंने लेखन, न्यायपालिका व अन्य माध्यमों से विरोध जारी रखा। अन्त में मजबूर होकर भारत सरकार ने कोर्ट के आदेश पर उन्हें रिहा किया व पुनः नौकरी

पर बहाल किया। वे रंगीराम धर्मशाला हरीद्वार, भारत माता मन्दिर हरीद्वार तथा जगद्गुरु शंकराचार्य आश्रम में समय-समय पर भोजन, वस्त्र व अन्य माध्यमों से अपनी सेवायें देते रहे।

बाबू जी की भारतीय सनातन पद्धति तथा आयुर्वेद में अगाढ़ आस्था थी, लेकिन उन्होंने इस आस्था को अन्धविश्वास में न बदलकर इसको वैज्ञानिकता की कसौटी पर परखा। अखिल भारतीय जनकल्याण संस्था (पंजी.) के केन्द्रीय महामंत्री के पद पर रहते हुये, वैज्ञानिक प्रमाणिकता के साथ भारतीय सनातन कर्मकाण्ड व आयुर्वेद के ज्ञान को जन कल्याण के उद्देश्य से प्रकाशित करवाकर प्रचारित किया, तथा पिस्तो देवी परमार्थ स्वास्थ्य केन्द्र की स्थापना फरीदाबाद में की। इस स्वास्थ्य केन्द्र का प्रसार सम्पूर्ण भारतवर्ष में था, कोई भी रोगी डाक अथवा कुरियर के माध्यम से यहां से दवा प्राप्त कर सकता है।



गोपालन व गो संवर्धन

(संदर्भ: पृष्ठ 2 व 3 अंक 3-4, 8 अप्रैल, 2014 अखिल भारतीय जनकल्याण संस्था, फरीदाबाद)



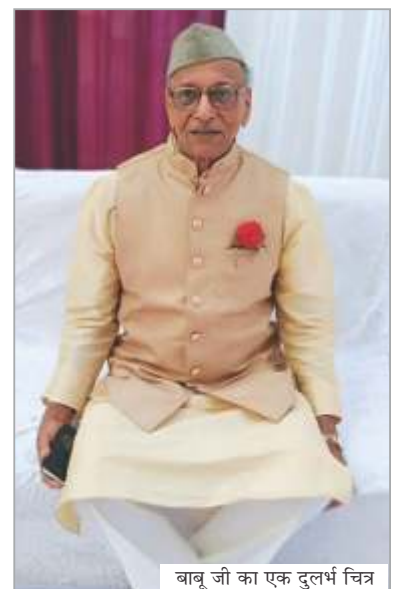
गौसंवर्धन पर विचार व्यक्त करते हुये बाबू जी

बाबू जी भारतीय गाय को सनातन धर्म की धुरी मानते थे उन्होंने इसको वैज्ञानिकता के साथ प्रस्तुत किया। उन्होंने इस रहस्य को खोजा कि भारतीय देशी गाय में ही प्रकृति ने सूर्य केतु नाड़ी का प्रावधान किया है, जिस कारण से भारतीय देशी गाय में 10 ग्राम घी की जोत से 1 टन आक्सीजन पैदा करने की

शक्ति है। जीवित रहने के लिए हमें आक्सीजन चाहिए तो हमें भारतीय देशी गाय के घी की जोत जलानी चाहिए। यह घी तभी मिलेगा जब गाय होगी। गौसंवर्धन करेंगे। भारतीय देशी गाय का घी फार्मेलिडहाइड उत्पन्न करता है जो कार्बनडाइ आक्साइड (CO₂) को आक्सीजन (O₂) में परिवर्तित कर हमारे वातावरण को स्वच्छ बनाकर प्राणी मात्र के लिए जीवन दायनी बना देता है।



गौशाला का उद्घाटन करते बाबू जी



बाबू जी का एक दुर्लभ चित्र

अद्भुत एवं विचित्र भावी योजना

(संदर्भ: पृष्ठ 11 अंक 2, अप्रैल, 2014 अखिल भारतीय जनकल्याण संस्था, फरीदाबाद)

बाबू जी की अस्पताल सम्बन्धित प्राथमिक, द्वितीयक एवं तृतीयक स्तर की परिकल्पना



प्राथमिक स्वास्थ्य केन्द्र का निरीक्षण करते बाबू जी

- आधुनिक उपकरणों से सुसज्जित 100 बेड के हॉस्पिटल की स्थापना करना, जिसमें आयुर्वेदिक और एलोपैथ के विशेषज्ञों का समन्वय स्थापित कर उपचार पद्धति आरम्भ की जाएगी ताकि रोगी का सम्पूर्ण इलाज हो सके, किसी रोग को मेनटेन या कंट्रोल में रखने की बजाए व्यक्ति रोग मुक्त हो सके और जीवन भर दवाई खाते रहने की उसकी मजबूरी भी न रहे।
- सम्भावित हॉस्पिटल के 10 km. की परिधि में न्यूनतम आवश्यक उपकरणों के साथ डिस्पेंसरिया स्थापित की जायेंगी ताकि हॉस्पिटल जाने की कम से कम आवश्यकता रहे।
- ऐसे रोगी जिनका उपचार स्थानीय चिकित्सक से हो सकता था वे रोगी प्रस्तावित हॉस्पिटल में पहुंचते हैं तो उनको प्राथमिक उपचार देकर अपनी सहयोगी डिस्पेंसरी में भेजा जाएगा। उद्देश्य यह है कि हॉस्पिटल में वही रोगी जाए जिनका उपचार केवल हॉस्पिटल में ही होना सम्भव हो। पिछले 4 वर्षों के कार्यकाल में दिल्ली की एक और देहरादून की एक बालिकाओं को सरकारी TB हॉस्पिटल जाने की सलाह दी गई थी इसके विपरीत दिल्ली के बड़े एक सरकारी हॉस्पिटल का रोगी जिसका प्रोस्टेट का ऑपरेशन करना तय किया गया। वह यहां के इलाज से स्वस्थ है और उसे ऑपरेशन की जरूरत नहीं रही।

Physiotherapy Camps

1. Department Of Physiotherapy provided physiotherapy services for FICCI Half Marathon organised by Thrill Zone on 5th August 2018. The physiotherapy team included Dr. Vivek Chauhan, Dr. Sunil Bhatt, Dr. Kapil Garg along with BPT and MPT students. Along with physiotherapy management first aid was also provided to injured runners for sudden cramps, sprains, strains or bruises. Relaxation techniques along with warm up and cool down techniques were also taught to the runners at various spots.

2. Department of Physiotherapy provided physiotherapy services in Intercollegiate Men's And Women's Football Tournament in Dehradun



Teachers & students in Physiotherapy Camp



Students of Physiotherapy DIBNS treating the participants

from 23rd to 27th September 2018. The event was organised at Ambedkar Stadium, ONGC, Kaulagarh, Dehradun. Physio team included MPT students and was supervised by Dr Richa Agarwal. Various players with muscular spasms, strains, ligament sprains, tendon injuries and bruises were managed by the physio team.

3. Department of Physiotherapy along with DSWC participated in a free of charge Divyang Shivr in Aggarwal Dharamshala on 29th and 30th September 2018. Physiotherapy services were rendered to help the



differently able individuals realize their hopes, dreams and ambitions and help those who needed just a little extra support. More than 100 divyang sisters and brothers were provided physiotherapy assistance and advice by Dr. Vivek Chauhan, Dr Kapil Garg and their team of physios. These services included electrotherapy modalities, exercise prescriptions and manual therapy techniques. The camp was an effort with the aim to create an inclusive society, where people with disabilities are accepted into the mainstream economy and social life.

Arranged Guest Lectures

Department of Forestry

1. Dr. Salil Tiwari, Professor, GB Pant University of Agriculture and Technology, Pantnagar delivered a guest lecture on “Agroforestry for Food Security” on 13th September 2018.



Delivering lecture on Agroforestry

Department of Physiotherapy

2. Dr. Anupriya, Associate Professor, Sai Institute of Paramedical Sciences, Dehra Dun delivered a guest lecture on 'Musculoskeletal disorders' on 05th August 2018. She highlighted that the



Dr Vijay Gambhir delivering lecture on physiotherapy

MSDS can arise from the interaction of physical factors with ergonomics, psychological & occupational factors.

3. Dr. Vijay Gambhir, Chief Physiotherapist delivered a invited lecture on “Scope of Physiotherapy” on 05th August, 2018. He added that the day marks the unity and solidarity of the global physical therapy community.

Himalayan Day Celebration



Himalayan Day Celebration

The students and faculty of the department of Botany took an oath on Himalayan Day (9th September, 2018) to save and conserve the Himalayan Ecosystem.

Field Visits/Educational Tours

Department of Botany

Students of M.Sc. Botany 3rd semester visited Sal forest Manduwala on 13th July 2018. The students learnt the field data collection methods for ecological analysis of the forest ecosystem. They also learnt about the standing state analytical techniques of the natural forest ecosystem. Dr. K.P. Tripathi accompanied the students to the field.



Visit to Sal forest Manduwala, Dehradun

Department of Forestry

Students of B. Sc. Forestry 1st Semester visited Regional Sericulture Research Station, Sahaspur on 29th September to study Moriculture and sericulture techniques used for sub-tropical

region of India. Dr Sandhya Goswami & Dr Sas. Biswas accompanied the students, who were addressed by Dr P. Tewari, Director RSRS Sahaspur.

Department of Horticulture

Students of B.Sc. Horticulture I and V Semester visited farms and laboratory of M/S TAQGENE, Nanda ki chowki, Premnagar on 29th September, 2018, with a view to gain a brief knowledge regarding mushroom culture, mushroom production, spawn preparation etc. The students also the identification techniques of various mushroom species. The expert also imparted valuable information on the Biochemical and Biotechnological aspects and tissue culture techniques for Horticultural crops. The students were accompanied by following faculty, namely, Dr. Ashwani Sanghi, Deptt. of Biochemistry, Dr. Pallavi Chaudhary, Deptt. of Agriculture and Dr. Priyanka Verma, Deptt. of Horticulture.

Guest Lectures Delivered



Dr Sas Biswas delivering lecture at IWS, bengaluru

1. Dr. Sas Biswas delivered special lecture ob 13th July 2018 on “Integrated approach towards multi-disciplinary knowledge transfer (KT) with reference to forestry and allied subjects”, in Monthly Seminar of Institute of Wood Science & Technology (ICFRE), Bangalore.

2. Dr Deptee Warikoo,HOD Department of physiotherapy delivered a invited guest lecture on, “Shoulder Pathology & its Rehabilitation” in Uttaranchal Institute of Paramedical Sciences, D.Dun on 16th July 2018 to the students of Physiotherapy Department.



Dr Deptee Warekoo delivering lecture at Uttaranchal IPS

The new B.Ed. format



B.Ed. new format's students

A radical change has been introduced in B.Ed. course in India in recent years. The switchover to two year B.Ed. course instead of one year is quite interesting and challenging. Practicum approach is adopted in the modern teacher education course with the avowed aim to expose a student-teacher to real classroom situation under the supervision of a qualified teacher.

Internship programme is an effective way to provide training to the student-teachers about the real world of work. It gives them an opportunity to integrate theory and practice, plan and deliver lessons properly, critically analyse their own and peers teaching styles and improve them in the light of feedback given by supervisors. Internship helps them to understand the role and responsibilities of professional teachers. It also gives them an opportunity to understand the intricacies of school programme and tone their skills and abilities in teaching profession.

In pursuance of the above, a two month Internship programme (school

teaching) of 3rd Semester B.Ed. students commenced on 6th of September 2018 in DAV Inter College, Premnagar. Students beside taking regular classes also took active part in different school activities. As a student-teacher intern they were made to fulfil a variety of assignments namely conducting morning assembly, organising games and sports, debate competition, conducting weekend work experience classes (arts and craft), tree and sapling plantation, preparing question papers, and carrying examination duties. In addition, the student-teacher interns got the opportunities to see how a school operates, got feedback on their teaching skills, learnt how to maintain discipline in class, attend teacher meetings, and serve as part of an educational team. They also learnt to conduct teaching according to the lesson plans prepared, anticipate students' questions, and to continually involve students in the lesson. The internship programme concluded on 5th November 2018.

Warm Welcome to Fresher's -2018

● The best's in different categories were selected as Mr. & Ms. Fresher, Performer & Eve

Dolphin (PG) Institute organised a fresher party programme in its premises on 12th, 13th and 14th October 2018. As per the tradition the senior students welcomed the new students from every department in the institute to the 'welcome fresher's programme. The senior students introduced the new students to the tradition and culture of the institute by organising different activities in each department on this occasion.

The welcome fresher programme was inaugurated by Dr. Shailja Pant, Principal of the institute. In her address she said that besides the academics, extracurricular activities are also important for over all development of the student's personality. She added that only the balanced and inclusive personality will be able to face the future full of challenges.

During the fresher party senior as well as new students followed a dress code adopted in different manners by each department. The new students showed their talents in various activities like Cat walk, Photogenic Competition, Dancing, Singing, Speech, Games, presence of mind (wits) and many other special activities. The students also enjoyed the dance and music. As per the



Sh. Vipul Garg & Smt. Rama Garg presenting Mementos to Fresher

performance in different activities Shri Vipul Garg, DSW announced Mr. & Ms. Fresher, Performer & Eve from each department, which are as follows:-

Department	Ms. & Mr. Fresher
B. Com.	Nitika & Tobin
M. Com.	Sumi
Zoology	Vadamo & Ajay Narwal
Forestry	Sindy & Long Kung
Horticulture	Najira Ashraj & G. Kekutho
Agriculture	K. Priyanka & Nivesh Gupta
Physiotherapy	Vibha & Roshan
Medical Microbiology	Nitika & Rohit
Microbiology	Himani & Suraj
Department	Ms. & Mr. Performer
Forestry	Kalpna Mukhiya & Vishvendra Singh Jaudon
Medical Microbiology	Vanshika & Prashant
Department	Ms. & Mr. Eve
B. Com	Divya & Vimal
Zoology	Madusmita & Diwang
Forestry	Sapana Rawal & Sangey Wangchuk
Medical Microbiology	Sheetal & Najim

The fresher of each department were made to wear crown and shesh on the occasion by the last year students.



Ms. & Ms. Fresher of different departments

National Cadet Corps (NCC) Commenced at Dolphin PGI

National Cadet Corps (N.C.C.) is a symbol of courage, bravery, nationality and patriotism among youth in the country. Officials of 29-UK Bn NCC conducted written and physical test of the students on 31st August 2018. Out of 78 students who appeared for the tests. Following 28 students {15 Boys (SD) and 13 Girls (SW)} have been selected for NCC unit of our Institute.



Constitution of NCC wing at Dolphin Institute

Sl.No.	Name of the S.D.	Course	Year	Sl. No.	Name of the S.W.	Course	Year
1	Habib ur Rahman	B. Sc. Biotech.	I Year	1	Kalpna Mukhya	B. Sc. Forestry	I Year
2	Md. Aslam	B. Sc. M.L.T.	II Year	2	Pranaya Lata Rai	B. Sc. Forestry	I Year
3	Anurag Mishra	B. Sc. Forestry	II Year	3	Mutum Melody Devi	B. Sc. Forestry	I Year
4	Anandhu P.C.	B. Sc. Forestry	II Year	4	Kili Zhimomi	B. Sc. Forestry	I Year
5	Jagananda Paik	B. Sc. Forestry	II Year	5	Pura Kanio	B. Sc. Forestry	I Year
6	Rohit Thakur	B. Sc. M.M.	I Year	6	Suman Devi Chakma	B. Sc. Forestry	I Year
7	Paras	B. Sc. M.L.T.	I Year	7	Sejal Kumari	B.P.T.	II Year
8	Kamal Singh	B. Sc. M.L.T.	II Year	8	Shradha Sharma	B. Sc. Agriculture	II Year
9	Desh Raj	B. Sc. Biotech.	III Year	9	Dawa Chomu	B. Sc. M.L.T.	II Year
10	Gaurav Bisht	B. Com.	II Year	10	Sushmita	B. Sc. M.L.T.	I Year
11	Sparsh Tiwari	B. Sc. Agriculture	II Year	11	Shila Thapa	B. Sc. M.L.T.	I Year
12	Arthur Yanthan	B. Sc. Agriculture	II Year	12	Pakhi Sharma	B. Sc. M.M.	I Year
13	Indra Rawal	B. Sc. Forestry	I Year	13	Vanshika Dharali	B. Sc. M.M.	I Year
14	Mohan Buddha	B. Sc. Forestry	I Year				
15	Bikash Raj Rokya	B. Sc. Forestry	I Year				

The classes and physical training for selected cadets have been started from 13th September 2018.

NCC Activities

29 UK Bn NCC organized “Swachhata Pakhwada” from September, 15th to October 2nd 2018, during the event following activities were conducted by the NCC Unit Dolphin Institute:

Cleanliness Awareness Rally

An awareness rally for cleanliness was conducted on 15th & 16th September 2018 at upper Suddhowala, Deharadun to enlighten the neighbouring population about the importance of cleanliness. The cadets interacted with the school students and met people house to house to explain the benefits of cleanliness. They held a mass Rally holding the posters with effective slogans and also lauded cleanliness during the rally.



New cadets at cleanliness activity

Wall Painting

During the cleanliness drive the Dolphin NCC unit took an initiative to paint the walls with messages to make people aware of cleanliness. The programme was organized on 21st & 22nd September 2018 at Manduwala, Deharadun.



New Cadets are busy with wall painting for slogans

ODF Relay

The Dolphin NCC Unit made the residents of Bhauwala Slum area aware of ills of ODF (Khule me Sauch) on 26th September 2018. They also delivered the information to the

people on schemes run for individual toilets by the State and Centre Govts.



NCC Cadets demonstration against ODF

Statue Cleaning

The Dolphin NCC Unit also organized a statue cleaning programme on 20th September 2018 at Bansiwala, Jhajara, Sahaspur Block, Deharadun. They cleaned the statues of the Public personalities like Baba Sahib Bhim Rao Ambedkar.

Seminar on the topic “Swachhata the way ahead”

The NCC Unit organised a seminar on 28th September 2018 on “Swachhata the way ahead” jointly conducted with GIC Horawala, Selaqui and Bhauwala. A talk was delivered in the



Cadet Md. Aslam briefing on Cleanliness awareness

NCC Cadets from Dolphin Institute provided exemplary Services

NCC Unit of Dolphin (PG) Institute, Dehradun is functioning under 29 UK NCC Bn. During the multipurpose

Disability camp on 29th & 30th September 2018 the NCC Cadets of our Institute were conspicuous everywhere in violet colour track suits. They were part of various teams making all type of arrangements and for each type of work. The discipline and service attitude of NCC Cadets was appreciated by one and all. The



NCC Cadets engaged in serving the disabled

programme on “Swachhata the way ahead” by cadet SD Md. Aslam (MLT 2nd Year student).

Parakram Parv

On the 2nd Anniversary of the “Parakram Parv” on 29th September 2018, 10 NCC Cadets from Dolphin Institute participated in a commemorative programme at Canal Road, Jakhan.



Dolphin students picking up garbage at Siddhowla

Swachha Grahi nominated

Mr. Pankaj Gusain, Caretaker of 29 UK Bn NCC Dolphin Institute nominated SD Md. Aslam and SW Shradha Sharma as “Swachha Grahi” on 15th September 2018. Both the cadets were entrusted with the responsibility of taking care of all the activities related to cleanliness awareness over the surrounding of the institute.

Academic Achievements College Toppers

<p>B.P.T.- 1st year</p>  <p>Nikita Vaid 79.57%</p>	<p>B.P.T.- 3rd year</p>  <p>Arshi Jeena 75.12%</p>	<p>B.Sc. Agriculture- 7th Sem.</p>  <p>Aisina Yomso 81.20%</p>
<p>B.Sc. Agriculture- 8th Sem.</p>  <p>Aisina Yomso 82.45%</p>	<p>B.Sc. MM- 3rd year</p>  <p>Vaishali Thapa 83.92%</p>	<p>B.P.T.- 2nd year</p>  <p>Deepak Yadav 80.12%</p>
<p>B.Sc. MLT- 3rd year</p>  <p>Heena Perween 79.07%</p>	<p>B.Sc. MM- 2nd year</p>  <p>Chinara Mandyal 83.44%</p>	<p>B.Sc. MLT- 1st year</p>  <p>Guddi Gharti Magar 80.00%</p>
<p>B.Sc. MLT- 2nd year</p>  <p>Aditya Kumar Jha 83.22%</p>	<p>B.Sc. MM- 1st year</p>  <p>Apeksha Saikia 82.66%</p>	<p>B.Sc. Forestry- 8th Sem.</p>  <p>Ritwika Mukhopadhyay 85.42%</p>
<p>M.Sc. MLT- 4th Sem.</p>  <p>Rahul Verma 76.08%</p>	<p>M.Sc. MLT- 4th Sem.</p>  <p>Shikha Paliwal 76.08%</p>	<p>B.Sc. Agriculture- 3rd Sem.</p>  <p>Ankita Belwal 81.71%</p>
<p>M.Sc. MLT- 2nd Sem.</p>  <p>Upendra Aryal 81.57%</p>	<p>M. Com – I & II Sem.</p>  <p>Ayush Chauhan 7.17 CGPA</p>	<p>M.Sc. Forestry- I & II Sem.</p>  <p>Mmhayilo Kikon 8.28 CGPA</p>

T& P Cell Interview's Selections

- Ipsita Adhikari of M. Sc. Microbiology-Final Year has been selected for Sage Publications Ltd., Dehradun through an off campus interview on 9th August 2018.
- Ipsita Adhikari of M. Sc. Microbiology-Final Year has been also selected for Dr. Reddy's Lab Ltd., HP through an off campus interview on 16th August 2018.
- Nimisha Tripathi of M. Sc. Microbiology-Final year has been selected for G.M.P. Pharma Institute, Dehradun through an off campus interview on 22nd September 2018.

Youth Parliament at Dolphin PGI

Dainik Jagarn in collaboration with Dolphin Students Welfare Committee (D.S.W.C.) organised the “Youth Parliament” on September 18, 2018 in the Institute. The objective of the event was to generate awareness in youth about the role of parliament and its role in resolving the issues in democratic manner. About 150

students from different departments participated in the first round, of these following two students, namely, Virendra Singh of B.P.T.- IV Year and Jigyra Dubey of B. Sc. Agriculture- V Semester were selected for the second round. Jigyra Dubey will represent the issues from the opposition bench in the coming sessions.

Resource Person

Dr. Sas Biswas chaired a session and made a presentation on “Nanotechnology with reference to Forestry integrated fields: Role, Risk assessment and biosafety



Dr Sas Biswas delivering lecture at Garden City Univ. Brluru

issues” in the “International Conference on Nanotechnology from 18-19, September 2018” held at Garden City University, Bangalore.

DSWC NEWS

Dolphin Institute distribute gratis saplings of medicinal and timber plants

- The students of Forestry, Agriculture and Horticulture Departments cultivated the medicinal plants at the Institute's Nursery
- Each recipient signed an Oath Letter for caring the plants

The Institute organised a tree donation programme in its premises on 24th September 2018, where in 2500 saplings of following 10 species, namely, Sheesham, Kalashireesh, Amaltash, Khair, Anwala, Kachnar, Gulmohar, Shahtoat, Popular and Bheemal were distributed gratis to Doonites. These were donated to different NGOs, Schools, Village Panchayats & tree loving individuals.

The programme was launched by



DSWC Students donating plants

Dr. Shailja Pant, Principal by gifting the 1000 saplings of 10 species to Sparsh Ganga Abhiyan, an organization of Govt. of India. The oath letter for caring the plants was filled by the organization. Further 500 saplings were gifted to Friends of Doon Society, 150 trees to Carmon Residential Public School, 50 trees to S N Memorial Public School, 500 trees to Amulya Jivan Vikas Charitable Trust, 100 trees to Vasudev S D Foundation. Various Village Panchayats and individuals were also provided saplings as per their need.

The saplings donated in the tree donation programme were cultivated in the Nursery of the institute by the



DSW Mr. Vipul Garg donating plants

students of Forestry, Agriculture and Horticulture departments. The programme was organised under the aegis of Dolphin Students Welfare Committee. Vipul Garg, DSW, Shri V K Nagpal, Additional Director and HODs of various departments along with faculty and students were present on the occasion.

Red F.M. 93.5 Bajate Raho- Tashan held at Dolphin PGI

Red F.M. 93.5 Bajate Raho in collaboration with Dolphin Students Welfare Committee (D.S.W.C.) organised - Tashan on 11 September 2018. In the pre-round a tough competition took place between the

students of the institute for dancing, singing and solo song categories.



Red FM team showing a drama

Many of the students

were selected for the final round of the programme the 'Grand Finale', which was organised on 17th September

2018 at Hotel Saffron Leaf. The selected students of the institute participated in the programme along with Shree Vipul Garg, Dean DSW.

HNN News 24x7 Yuva Sanwad at Dolphin PGI

HNN News 24x7 in collaboration with DSWC organised an interactive TV session 'Yuva Sanwad' with Dolphinites on "The impact of Drug Abuse on the youth of today" on 26th Sept., 2018. A panel of invited guests comprising Dr. Arun Kumar, Director, DIBNS, BJP MLA Shri Vinod Kandari, Congress Leader Shri Lakshpat Butola, CO City Shri Rameshwar Singh, CFO Shri Sandeep Rana and renowned psychologist Dr. Mukul Sharma was constituted to interact with the students. The students participated with full enthusiasm on



Dr. Arun Kumar and other guests during Yuva Sanwad

the issues of drugs and consumption of alcohol by youth and various remedial measures which could be taken to control the menace. The panellists suggested many possible solutions for the above issues and emphasized on the pivotal role the Govt. can play in this regard. The programme was telecasted repeatedly by HNN news 24x7 & was also uploaded on youtube.

Dainik Jagran- Janhit Jagran workshop

The news daily, Dainik Jagran organised a workshop on 'Dainik Jagran- Janhit Jagran' for youth awareness in collaboration with DSWC on 24th August 2018. The expert from different fields enlightened the students on development of intelligence on varied

topics like politics, social media and cyber crime, etc. Students interacted with experts and made their views clear on these important issues. 100 students from different departments along with Dean DSW Shree Vipul Garg participated in the drive.

Two minutes for cleanliness with Amar Ujala

Dolphin Students Welfare Committee (D.S.W.C.) in association with Amar Ujala news paper and Nestle Co. organised a programme in its premises, namely "Two minutes for cleanliness" on 25th September 2018. Highlight of the event was an inspiring talk by Shri Navin Kumar Sadana, Manager Outreach partnership, Waste Warriors. He explained that the waste can be divided into three



Dolphin Students in a rally on cleanliness

parts. He said that with this not only the residential waste will be disposed in a proper manner rather the area will also remain clean. He warned that burning, burying and dumping of

waste is more harmful to the environment. Dean DSW Shri Vipul Garg assured that the students of Dolphin Institute will form the chains to spread the message at large.

गढ़वाल विश्वविद्यालय अन्तर्महाविद्यालयी फुटबाल टूर्नामेंट (पुरुष वर्ग)-2018

- एस.जी.आर.आर. पी.जी. कॉलेज, देहरादून को हराकर डी.ए.वी. पी.जी. कॉलेज, देहरादून बना चैम्पियन।
- महिला वर्ग में बी.जी.आर. कैम्पस पौड़ी को 2-1 से हराकर बिरला कैम्पस श्रीनगर बना चैम्पियन
- डॉ. भीमराव अम्बेडकर स्टेडियम, ओ.एन.जी.सी., देहरादून में दिनांक 23 से 26 सितम्बर, 2018 तक डॉल्फिन (पी.जी.) इन्स्टिट्यूट देहरादून ने आयोजित करवाया टूर्नामेंट।



Football team of DAV College Dehra Dun

डॉल्फिन (पी.जी.) इन्स्टिट्यूट ऑफ बायोमेडिकल एण्ड नेचुरल साइन्सेज, देहरादून के तत्वावधान में गढ़वाल विश्वविद्यालय के अन्तर्महाविद्यालय फुटबाल टूर्नामेंट 2018-2019 का आयोजन डॉ. बी.आर. अम्बेडकर स्टेडियम, ओ.एन.जी.सी. ग्राउंड देहरादून में हुआ। दिनांक 23 से 26 सितम्बर, 2018 तक आयोजित इस टूर्नामेंट में पुरुष वर्ग में गढ़वाल विश्वविद्यालय से सम्बद्ध राजकीय तथा निजी महाविद्यालय की 20 टीमों ने भागीदारी की। वहीं महिला वर्ग में 7 टीमों क्रमशः डी.ए.वी. पी.जी. कॉलेज देहरादून, डी.बी.एस. पी.जी. कॉलेज देहरादून, बिरला कैम्पस श्रीनगर, बी.जी.आर. कैम्पस, पौड़ी, रा.स्ना.महा. कोटद्वार, रा.स्ना.महा. उत्तरकाशी तथा डॉल्फिन (पी.जी.)

में बी.जी.आर. कैम्पस पौड़ी ने डी.बी.एस. पी.जी. कॉलेज देहरादून को एकतरफा 4-0 से हराया। दूसरे मैच में डी.ए.वी. पी.जी. कॉलेज देहरादून ने रा.स्ना.महा. कोटद्वार की टीम को 1-0 से हराया। वहीं तीसरे मैच में बी.जी.आर. कैम्पस पौड़ी ने रा.स्ना.महा. उत्तरकाशी को एकतरफा 2-0 से हराया। टूर्नामेंट के पहले सेमीफाइनल में डी.ए.वी. पी.जी. कॉलेज देहरादून को एकतरफा 2-0 से हराकर बी.जी.आर. कैम्पस पौड़ी ने फाइनल में जगह बनायी। वहीं दूसरा सेमीफाइनल काफी कांटेदार रहा और रा. स्ना.महा. उत्तरकाशी को पेनाल्टी शूट आउट में 3-2 से हराकर बी.सी.सी. श्रीनगर फाइनल में पहुँचा। महिला वर्ग के फुटबाल टूर्नामेंट का फाइनल मुकाबला बहुत रोमांचक रहा। इसमें निर्धारित दोनों हॉफ में



Dolphin Boys Football team

इन्स्टिट्यूट, देहरादून ने भागीदारी की। अन्तर्महाविद्यालयी फुटबाल प्रतियोगिता 2018 के पुरुष वर्ग में प्रतियोगिता के पहले सेमी फाइनल मुकाबले में दिनांक 25 सितम्बर, 2018 को डी.ए.वी. पी.जी. कॉलेज, देहरादून ने राजकीय स्नातकोत्तर महाविद्यालय, कोटद्वार को पेनाल्टी शूट आउट में 5-4 से हराया। वहीं दूसरे सेमी फाइनल में एस.जी.आर.आर. पी.जी. कॉलेज, देहरादून ने डॉल्फिन (पी.जी.) इन्स्टिट्यूट, देहरादून को 1-0 से हराया। फाइनल मुकाबले में डी.ए.वी. पी.जी. कॉलेज, देहरादून ने एस.जी.आर.आर. पी.जी. कॉलेज, देहरादून को 3-0 से हराकर खिताब अपने नाम कर लिया। महिला वर्ग में प्रतियोगिता के पहले मुकाबले

दोनों टीमों कोई गोल नहीं कर सकी। अतः पेनाल्टी शूट आउट में बिरला कैम्पस श्रीनगर ने 2-1 से बी.जी.आर. कैम्पस पौड़ी को हराकर फुटबाल टूर्नामेंट जीत लिया। समापन समारोह के मुख्य अतिथि डॉल्फिन (पी.जी.) इन्स्टिट्यूट के निदेशक डॉ. अरूण कुमार ने विजेता व उपविजेता टीमों को ट्रॉफी, सर्टिफिकेट व स्मृति चिन्ह प्रदान किये। उन्होंने विजेता व उप विजेता टीमों के खेल की प्रशंसा की और उन्हें अपनी शुभकामनाएं भी दी। गढ़वाल विश्व विद्यालय की ओर से चयनकर्ता एवम् पूर्व अन्तर्राष्ट्रीय फुटबाल प्लेयर कैप्टन सी.बी. थापा ने भी सभी टीमों के खिलाड़ियों की उनके शानदार खेल के लिए प्रशंसा की। टूर्नामेंट का आयोजन डॉल्फिन इन्स्टिट्यूट



Football team of BCC Srinagar

के स्पोर्ट्स ऑफिसर श्री एन.के. जोशी की देखरेख में हुआ। इसमें इन्दिरा गाँधी नेशनल फॉरेस्ट एकेडमी देहरादून के अजय गुसाई, मगन सिंह तथा प्रमोद नेगी ने मैच रेफरी की जिम्मेदारी का निर्वहन किया। इस अवसर पर रा.स्ना. महा. उत्तरकाशी से डॉ. एम.एस. कन्डारी, बी.जी.आर. कैम्पस पौड़ी से डॉ. राजेश डंगवाल तथा महावीर धनई, डी.ए.वी. (पी.जी.) कॉलेज देहरादून से श्री मदन नेगी, बिरला कैम्पस श्रीनगर से वन्दना डोभाल तथा रोहित ममगाई उपस्थित थे।

TitBit

Birds eat 400 to 500 million tons of insects annually

Along with spiders, insectivorous birds play a vital role in consuming insects that would otherwise destroy forests or crops.

Birds around the world eat 400 to 500 million metric tonnes of beetles, flies, ants, moths, aphids, grasshoppers, crickets and other arthropods per year. These numbers have been calculated in a study led by Martin Nyffeler of the University of Basel in Switzerland. The research, published in Springer's journal *The Science of Nature*, highlights the important role birds play in keeping plant-eating insect populations under control.

Nyffeler and his colleagues based their figures on 103 studies that highlighted the volume of prey that insect-eating birds consume in seven of the world's major ecological communities known as biomes. According to their estimations, this amounts to between 400 and 500 million tonnes of insects per year but is most likely to be on the lower end of the range. Their calculations are supported by a large number of experimental studies conducted by many different research teams in a variety of habitats in different parts of the world.

"The global population of insectivorous birds annually consumes as much energy as a megacity of the size of New York. They get this energy by capturing billions of potentially harmful herbivorous insects and other arthropods," says Nyffeler.

Forest-dwelling birds consume around 75 per cent of the insects



eaten in total by birds which make up about 300 million tonnes of insects per year. About 100 million tonnes are eaten by birds in savanna areas, grasslands and croplands, and those living in the deserts and Arctic tundra. Birds actively hunt insects especially during the breeding season, when they need protein-rich prey to feed to their nestlings.

"The estimates presented in this paper emphasize the ecological and economic importance of insectivorous birds in suppressing potentially harmful insect pests on a global scale - especially in forested areas," explains Nyffeler, who says that this is especially so for tropical, temperate and boreal forest ecosystems.

"Only a few other predator groups such as spiders and entomophagous insects (including in particular predaceous ants) can keep up with the insectivorous birds in their capacity to suppress plant-eating insect populations on a global scale," he adds.

Story Source: Materials provided by Springer.

Collected by: S.K.Sheel

2018 Ramon Magasaysay award: Two Indians Bharat Vatwani & Sonam Wangchuk awarded

Ramon Magasaysay Award

It is Asia's highest honour and is often regarded as the region's equivalent of the Nobel Prize. It was established in 1957 by trustees of the New York City based Rockefeller Brothers Fund and Philippine Government in the memory of Philippines' third president Ramon Magasaysay who died in air disaster in march 1957. It is awarded annually to individuals or organizations from Asia



region for their altruistic and philanthropic services. It carries Medallion bearing the likeness of the late president Ramon Magasaysay, cash prize and a certificate.

Bharat Vatwani:

He is a psychiatrist who works for mentally-ill people living on the streets in Mumbai. The award recognizes his courage and compassion in embracing India's mentally-afflicted destitute and his dedication to work of restoring and affirming human dignity of even most ostracized.

Sonam Wangchuk:

He is educational reformer from Ladakh. In 1988, he had founded Students' Education and Cultural Movement of Ladakh to coach poor Ladakhi students. The award recognizes his uniquely systematic, collaborative and community-driven reform of learning systems in remote Ladakh region which has helped to improve life opportunities for youths. He is widely regarded as inspiration for Aamir Khan's character, Phunsuk Wangu in the film '3 Idiots'. "I don't feel I deserve it alone as an individual. It belongs to every student, every teacher, every leader and every dreamer in Ladakh," said Mr. Wangchuk.

FACULTY CORNER

Ratanjot (*Jatropha curcas* L.): The Biodiesel Plant

Jatropha curcas L., is native to central America and widely distributed in tropics. The genus belongs to family Euphorbiaceae. The *Jatropha* is commonly called as black vomit nut, curcas bean, physic nut, purging nut. In Hindi it is also known by several other names, i.e., Ratanjot, Jangli arandi etc. Originating in the Caribbean, the *Jatropha* was spread as a valuable plant to Africa and Asia by Portuguese traders. This plant is monoecious in nature and bears male and female inflorescence and do not grow very tall. It is a small tree or shrub with smooth gray bark, which exudes a whitish colored, watery latex when cut and normally it attains three to five meters in height. The *Jatropha* plant is deciduous in nature. The hardy *Jatropha* is resistance to drought and pests and produces seeds containing oil content. When the seeds are crushed and processed, the resulting oil can be used as a fuel in a standard diesel engine, while the residue can also be processed into biomass to power electricity plants. It is easy to establish, grow relatively quickly and lives, producing seeds for 50 years. The oil can be combusted as fuel without being refined. It burns with clear smoke free flame tested successfully as fuel for simple diesel engine. The by-products are press cakes a good organic fertilizer, oil contains also insecticide.

Currently the oil from *Jatropha curcas* L. seeds is used for making biodiesel fuel in Philippines and in Africa, cultivation of *Jatropha* is being promoted and is grown successfully in countries such as Mali. Seed yields under cultivation can range from 1,500 to 2,000 kilograms per hectare,



Jatropha fruits and seeds



corresponding to extractable oil yields of 540 to 680 liters per hectare. *Jatropha* can also be intercropped with other cash crops such as coffee, sugar, fruits and vegetables.

Jatropha curcas grows wild in many areas of India and even thrives on infertile soil. A good crop can be extracted from the *Jatropha* nuts after two-five years. The kernel consists of oil up to 60% this can be transformed into biodiesel through esterification. It can be cultivated anywhere up to a height of 3600 meters above sea level and is recommended in rain-fed and drought prone area where yield as well as oil content is comparatively higher than in irrigated conditions. *Jatropha* oil is real and cost effective substitute of diesel oil.

The oil content of *Jatropha* seeds ranges from 30-40% oil by weight and the kernels itself ranges from about 45-60% oil. The fatty acid composition of the oil classified curcas oil as a linoleic or oleic acid which are

unsaturated fatty acid. Oil content and fatty acid composition vary according to growing condition, which also affects the degree of saturation of the oil. This is slow-drying oil which is odourless and colourless upon extraction, but becomes yellow and acquires an unpleasant odour if left standing. The oil is easily soluble in hexane, diesel fuel or gasoline and is slightly soluble in alcohol. This genus also contains many other phytotoxins like hydrocyanic acid.

Jatropha curcas also called physic nut, is used to produce the non-edible *Jatropha* oil for making candles and soap. Once the seeds have been pressed, the remaining cake can be used as feed in digesters and grassfires to produce biogas for cooking and in engines or be used for fertilizing. The whole seed (with oil) can also be used in digesters to produce biogas.

Compiled by:
Dr. K. P. Tripathi
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Student's Corner प्रेरणादायक कहानी

एक छोटी चिड़िया ने भयंकर आग से जंगली जानवरों को कैसे बचाया

यह एक जातक कथा है (बुद्ध के पूर्व जन्म की कहानियाँ) जब बुद्ध ने एक छोटी सी चिड़िया के रूप में जन्म लिया और वह भारत के जंगल में रहती थी।

एक दिन जंगल में एक बड़ी आग जलने लगी और सभी जानवर अपने रास्ते से बाहर निकलने की कोशिश कर रहे थे।

हालांकि आग इतनी तेजी से जल रही थी कि उनके लिये बाहर निकलना बहुत कठिन था। अपने जीवन को बचाने के लिये वह छोटी सी चिड़िया डरते-डरते आसमान में उड़ गयी। हवा में ऊपर से उसे यह अहसास हो गया कि यह आग पूरे जंगल को जला देगी और सभी जीव-जन्तु, पशु-पक्षी तथा पेड़-पौधे इसमें जल कर भस्म हो जायेंगे।

करुणा भाव से छोटी करुणा महान करुणा में परिवर्तित हुई और उससे अभिभूत बोधिकता उत्पन्न हुई और उसमें सभी का



जीवन बचाने की आकांक्षा प्रबल हुई। वह छोटी सी चिड़िया पास की झील में उड़ी और पानी इकट्ठा करने के लिए जल्दी से उसने अपने पंखों को झील में डुबो दिया। और जलते जंगल के ऊपर आकर उसने उग्र रूप से अपने पंखों को फहराया। ऐसा कहा जाता है कि अपनी बोधिकता शक्ति से पानी की उन कुछ ही बूंदों से वही सम्पूर्ण जंगल की आग शांत हो गयी।

संकलन - समझाना यादव

बी.एस.सी. फ़ैरिस्टी- प्रथम सेमेस्टर
(बुद्ध की जातक कथाओं से साभार)

'Turnitin' software for all varsities to check plagiarism in research

Union Minister of Human Resource Development Prakash Javadekar announced that the Turnitin software to detect plagiarism in research would be provided to all universities free of cost. He was speaking at a three-day national conference of vice-chancellors of universities and directors of higher education institutions here.

"A thesis has to be a new addition to existing knowledge. Plagiarism is not

all right. We will upload software like Turnitin on the UGC website. It will be open for all universities in the country," Mr. Javadekar said. He added that e-Shodh Sindhu mass bargain journals would now be available for all universities, including State universities, deemed universities and private universities, at affordable costs.

Source: The Hindu
28th July, 2018

Akshay Venkatesh, a renowned Indian-Australian mathematician, is one of four winners of mathematics' prestigious Fields medal, known as the Nobel prize for math. New Delhi-born Venkatesh, 36, who is currently teaching at Stanford University, has won the Fields Medal for his profound contributions to an exceptionally broad range of subjects in mathematics. The Fields medals are awarded every four years to the most promising

mathematicians under the age of 40. The prize was inaugurated in 1932 at the request of Canadian mathematician John Charles Fields, who ran the 1924 Mathematics Congress in Toronto. Each winner receives a 15,000 Canadian-dollar cash prize. At least two, and preferably four people, are always honoured in the award ceremony. The citation for Venkatesh's medal — awarded at the International Congress of Mathematicians in Rio de Janeiro

— highlights his profound contributions to an exceptionally broad range of subjects in mathematics and his strikingly far-reaching conjectures. The other three winners are: Caucher Birkar, a Cambridge University professor of Iranian Kurdish origin; Germany's Peter Scholze, who teaches at the University of Bonn and Alessio Figalli, an Italian mathematician at ETH Zurich. **Source:** The Hindu, 2nd August 2018

SCIENTIFIC ADVANCEMENTS

'Chemical Surgery' Used For First Time To Mend Harmful Mutations in Human Embryos

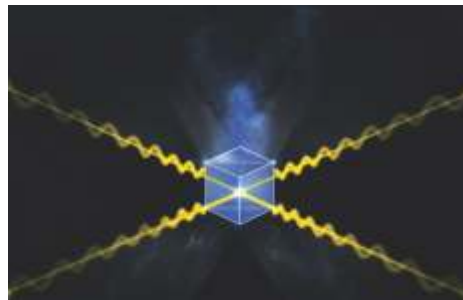
Researchers in China have used a procedure described as "chemical surgery" to mend harmful mutations in human embryos for the first time. The scientists found that it was possible to repair a faulty gene that gives rise to a serious blood disorder called beta thalassemia which can be caused by one misspelling in the DNA code. Crispr-Cas9 was used to make precision cuts in faulty genes which the body can then repair with the correct DNA. (<https://www.theguardian.com/science/2017/sep/28/chemical-surgery-used-to-mend-harmful-mutations-in-human-embryos-base-editing>)



[theguardian.com/science/2017/sep/28/chemical-surgery-used-to-mend-harmful-mutations-in-human-embryos-base-editing](https://www.theguardian.com/science/2017/sep/28/chemical-surgery-used-to-mend-harmful-mutations-in-human-embryos-base-editing)

Physicists Quantum Teleported Complex Light Patterns For The First Time

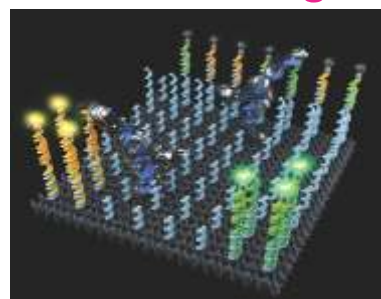
A team of Scottish and South African researchers have provided the world's first experimental demonstration of entanglement swapping and teleportation of orbital angular momentum (OAM) patterns of light. The property of entanglement allows transfer of information without physically transferring photons, the quantum of light. Further, interfering with photons renders the information useless, making the signal



"unhackable". (<https://www.sciencelert.com/physicists-work-out-a-way-to-cram-more-information-into-quantum-messages>)

Nanobots Made of DNA Can Now Carry and Sort Molecular Cargo

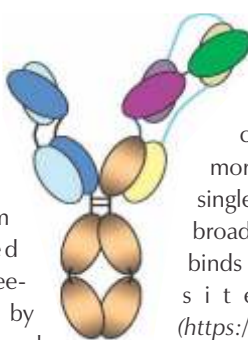
Caltch scientists have developed a "robot" using a single strand of DNA, that can "walk" around a surface, pick up molecules and drop them off in designated locations. The molecular prototype successfully sorted six fluorescent molecules into correct places in 24 hours. The bots could be used for delivering drugs when a specific signal is given in bloodstreams, said researchers. ([https://phys.org/news/2017-09-dna-](https://phys.org/news/2017-09-dna-nanorobot-molecules-predefined-regions)



[nanorobot-molecules-predefined-regions](https://phys.org/news/2017-09-dna-nanorobot-molecules-predefined-regions))

Three-in-One Antibody Protects Monkeys From HIV-Like Virus

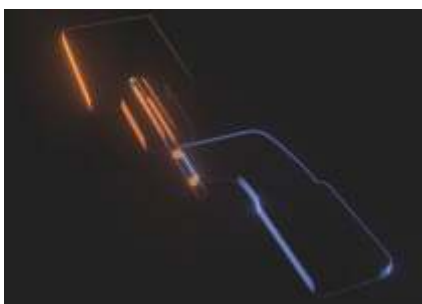
A three-pronged antibody made in the laboratory protected monkeys from infection with two strains of SHIV, a monkey form of HIV, better than individual natural antibodies from which the engineered antibody is derived. The three-pronged antibody, created by investigators from the National Institutes of Health (NIH) and the Paris-based pharmaceutical company



Sanofi, also stopped a greater number of HIV strains from infecting cells in the laboratory more potently than natural, single antibodies. This new broadly neutralizing antibody binds to three different critical sites on HIV. (<https://www.niaid.nih.gov/news-events/three-one-antibody-protects-monkeys-hiv-virus>)

Scientists Find Particle That Acts As Its Own Anti-Particle

Physicists from the University of California and Stanford University have discovered evidence of Majorana fermions, long-hypothesized particles that are their own antiparticles. A collision between a particle and its antiparticle, which is called annihilation, is found to release energy. It is claimed that the discovery of these particles will help in the creation of more robust quantum computers. (<https://www.sciencelert.com/physicists-made-a-particle-that-behaves-just-like-its-own-antiparticle>)



[com/physicists-made-a-particle-that-behaves-just-like-its-own-antiparticle](https://www.sciencelert.com/physicists-made-a-particle-that-behaves-just-like-its-own-antiparticle))

Researchers Invent Novel Process For Extracting Sugars From Wood

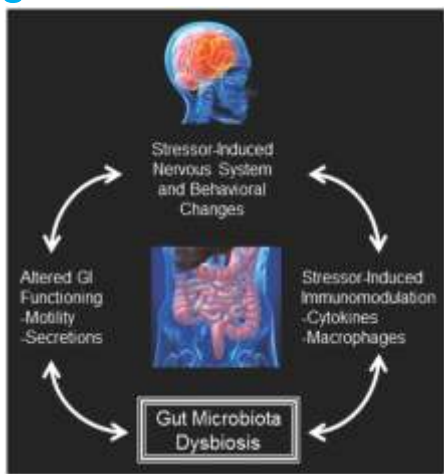
A research team led by an Indian at the University of Delaware has invented a more efficient process for extracting sugars from wood chips, corn cobs, and other organic waste. The technology uses a salt solution for breaking down wood cellulose at low temperatures of 85°C. The water and energy-efficient process gives a 95% theoretical yield of sugars, said researchers. ([https://phys.org/news/2017-09-](https://phys.org/news/2017-09-sugars-wood)



[sugars-wood](https://phys.org/news/2017-09-sugars-wood))

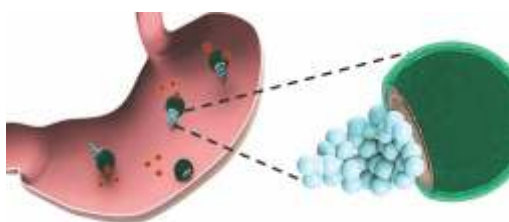
Gut Microbes May Talk To The Brain Through Cortisol

While it is known that brain functions are influenced by the composition of gut bacteria, a US-based study suggests cortisol, often called the stress hormone, serves as the communication channel between them. Researchers studied one-month-old pigs, as they have similar gut and brain development traits as human infants. The findings could explain how mental disorders like autism develop. (<https://www.sciencedaily.com/releases/2017/08/170821122736>)



Micromotor - Enabled Active Drug Delivery For in Vivo Treatment of Stomach Infection

US-based researchers have demonstrated the first-ever use of micromotors to treat a bacterial infection in the stomach of mice. The motors, each about half the width of a human hair, are propelled as they neutralise gastric acid after which they release antibiotics, said researchers. The antibiotics restore normal stomach pH



within 24 hours without producing harmful residues, they added. (<https://www.nature.com/articles/s41467-017-00309>)

Virus-Free Pigs Cloned For Safer Transplants For Humans

US-based scientists aiming to make pig organs safe enough to be transplanted into humans have used CRISPR gene editing technology to clone piglets that lack a potentially dangerous retrovirus. Pigs are seen as a viable source for organ transplants into humans because their organs are similar in size. The clones will be monitored for long-term effects from the procedure.



Transplants from pigs could offer a new potentially life-saving alternative for patients diagnosed with organ failure and no other viable treatment options. A shortage of available human organs has led scientists to study the possibility of animal donors to close the gap. (<http://www.livemint.com/Science/Scientists-create-safer-pig-organs-with-goal-of-transplants>)

Stick insects

Stick insects resemble thin plant stems. But birds can still see through this camouflage and do prey on them. Incidentally, the eggs of many stick insect species resemble seeds in colour, shape, size and texture. This piqued the interest of a team of Japanese scientists: If birds ate stick insect eggs, could they still hatch after they come out in bird poop?



Even before they are born, some stick insects can disperse to far-away regions. Scientists find that the eggs of some stick insect species are so hard that even if their mothers are eaten by birds, they can pass through the birds' guts unaffected and hatch successfully once they come out in their predator's poop. (From *THE HINDU* 4 JUNE, 2018)

Engineering Malaria Resistance in Mosquitoes

In an attempt to cut the spread of malaria, US-based scientists have genetically modified (GM) Anopheles mosquitoes to suppress the growth of malaria-causing parasite Plasmodium in their gut. The team observed the mosquitoes for 10 generations, where 90% of offsprings carried the GM trait. Further, the GM mosquitoes maintained their resistance to the malaria parasite for seven years. (<https://www.nih.gov/news-events/nih-research-matters/engineering-malaria-resistance-mosquitoes>)

Scientists Use Gene-Editing Technology To Knock Out Genes In Human Embryos For First Time



In a first, scientists at UK-based Francis Crick Institute have genetically edited human embryos to understand the role of a fertility gene in embryonic development. The findings could help understand the genetic cause of miscarriages and improve IVF techniques. This comes after similar human DNA editing experiments were performed in China and the US, triggering ethical debates. They found that in humans OCT4 is plays a role in the development. (<http://www.sciencemag.org/news/2017/09/scientists-use-gene-editing-technology-knock-out-genes-human-embryos-first-time>)

Flower Colour Changed Using Gene Editing



In a world-first, Japanese scientists have used the revolutionary CRISPR, or CRISPR/Cas9, genome-editing tool to change flower colour in an ornamental plant. The flower colour of the traditional Japanese garden plant, Japanese morning glory (*Ipomoea nil* or *Pharbitis nil*) was changed from violet to white, by disrupting a single gene. This research highlights the huge potential of the CRISPR/Cas9 system to the study and manipulation of genes in horticultural plants. (<https://www.sciencedaily.com/releases/2017/09/170905123207>)