

NEWS LETTER OF DINABANDHU ANDREWS COLLEGE

DAC NEWS BULLETIN

January -July | 2023 | Page. 1 | ISSUE 1 | VOL. 1 | Price Rs. 5



MESSAGE FROM THE PRINCIPAL

“A milestone in the history of the college was reached in 2000...”

Named after Rev. Charles Freer Andrews (1871-1940), the renowned Christian missionary, educationist, and philanthropist, Dinabandhu Andrews College, which has now become a premier institution of higher learning situated on the southern fringes of Kolkata, was founded in 1956 by an order of the Government of India with the object of facilitating the access to higher education for the children of the uprooted families from erstwhile East Pakistan (presently Bangladesh) who had settled, among other places, at Garia and its vicinity in the aftermath of the Partition of 1947. The college started with only about 500 students and 50 teachers. The subjects taught were chiefly of the humanities. With the passage of time other subjects, including those of commerce and sciences, were introduced, and the number of students as well as of teachers increased. At present, the college has more than 4000 students on its rolls, and the number of teachers serving at it is 94 including 27 State-Aided College Teachers (SACTs).



A milestone in the history of the college was reached in 2000 when teaching zoology at the post-graduate level was introduced with the joint approval of the University of Calcutta and the Director of Public Instructions, Government of West Bengal. Similarly, a post-graduate course in electronic science was begun in 2006. Incidentally, it is the first non-government college in West Bengal where teaching at the post-graduate level was introduced.

Message from the Coordinator of the IQAC

It's wonderful to learn that Dinabandhu Andrews College publishes a bi-annual regular in-house Newsletter called “DAC News Bulletin”. The publishing house and the editorial board have my utmost respect for undertaking such a worthwhile project on behalf of the students, teachers and non-teaching staff. This will provide a forum for the students and the staff to flourish their latest activities and research works of various fields, reminisce about their time in the department, document their academic endeavours, and welcome the newcomers to the department who were forced to stay at home during the pandemic. Simultaneously, various departments have always made it possible for the students to do so by encouraging them to present at various academic and cultural activities like participation in seminars and conferences, participation in various inter/ intra college cultural and sports competitions, engage them in paper writing etc. I applaud all the teachers, non-teaching staff and students for embarking on this venture and wish them success.



OUR MISSION AND VISION

The mission of the college is to make, within its limited means, knowledge acquired through higher education reach every deserving school pass out who aspires to take admission to this institution and instill in him/ her a spirit of free inquiry, thereby broadening the scope of higher learning on the one hand, and to help in every possible way students who are needy so that they can carry on and complete their studies and be able to stand on their own feet as responsible citizens on the other.

We envision a future wherein, through our untiring efforts and collective endeavors, the college will attain a still higher place in the arena of learning and emerge as a beacon to the aspirants for quality education not only in Kolkata but also in the state as a whole. At the same time, we do hope that our students – former, present, and future – will play no lesser a role in raising their alma mater to a position of glory by making their own contribution to the process.



DAC NEWS BULLETIN

DINABANDHU ANDREWS COLLEGE

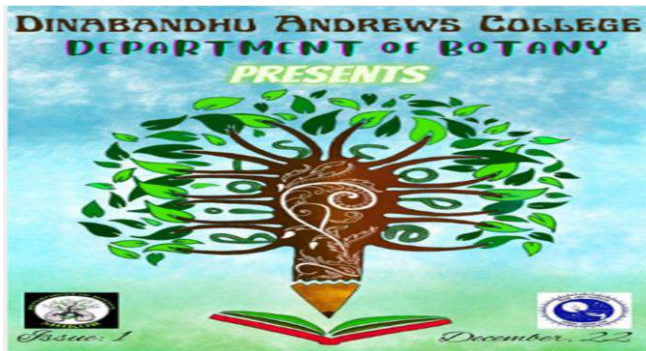


54 Raja SC Mallick Road, Baishnabghata, 24 Parganas (South), The University of Calcutta, Kolkata, West Bengal, 700084

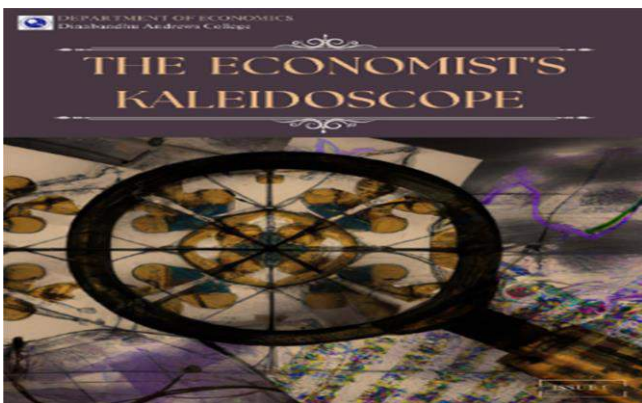
DEPARTMENTAL ACTIVITIES



MICROBES &US, DEPARTMENT OF MICROBIOLOGY
VOL. 3: ISSUE- 4 (2023-2024)



BIO-SCOPE, DEPARTMENT OF BOTANY
VOL.1: ISSUE-1 (2022-2023)

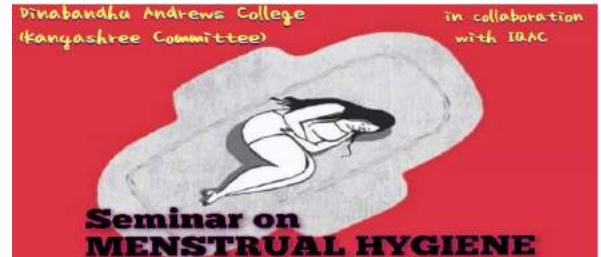


THE ECONOMIST'S KALEIDOSCOPE, DEPARTMENT OF ECONOMICS, VOL. 1: ISSUE-1 (2022-2023)

SEMINAR/WEBINAR/CONFERENCE

SEMINAR ON "MENSTRUAL HYGIENE"

On 13th May, 2023, a seminar on "Menstrual Hygiene" was organized by the Kanyashree Committee in collaboration with the Internal Quality Assurance Cell of Dinabandhu Andrews College.



VAN MAHOTSAV ORGANIZED BY NATURE'S CLUB

Nature Club of Dinabandhu Andrews College celebrated 'The Van Mahotsav Day' on 14.07.23 to raise awareness about plantation of trees and forest conservation. Saplings of different varieties of trees were planted by the Principal, Dr. Somnath Mukhopadhyay, teachers, staff members and students of the college, in the garden area of the campus. At the end, he thanked all the members of the Nature Club for organising the program.



SEMINAR ON "CAREER IN FINANCIAL PLANING AND WEALTH MANAGEMENT_04.04.2023"

INTERNATIONAL INSTITUTE OF RESEARCH AND WEALTH MANAGEMENT in collaboration with DINABANDHU ANDREWS COLLEGE, Kolkata





DAC NEWS BULLETIN DINABANDHU ANDREWS COLLEGE



54 Raja SC Mallick Road, Baishnabghata, 24 Parganas
(South), The University of Calcutta, Kolkata, West Bengal,
700084

Health Check Up Camp

On 2nd January to 7th January, 2023 in the occasion of student's week health check-up camp organized in college campus.



POSTER PRESENTATION AND PHOTOGRAPHY COMPETITION

ON 12th May 2023, a national seminar was organised by the Department of Botany in Collaboration with Internal Quality Assurance Cell of our College. Principal and President, Governing Body along with other GB members graced the occasion with their auspicious presence.



One day National Seminar, Poster Presentation and Photography Competition

Date: 12.05.2023; Venue: Dinabandhu Andrews College Campus

EDUCATIONAL VISIT

An Educational visit to the BSE Institute Ltd. at 22 Camac street, 1st Floor, Kolkata 700 016 with the students (B.Com.) of Dinabandhu Andrews College on 10.04.2023



অভিনব বিজ্ঞানভিত্তিক ক্যালেন্ডার প্রকাশিত হল বিজ্ঞানচেতনা গড়ে তুলতে

দেবশিস পের্ট: আরম্ভবাণ, ২১ জানুয়ারি—
মহিলাশিক্ষার্থীদের সোসাইটি অফ ইন্ডিয়া'র পক্ষ থেকে
এই প্রথম সম্পূর্ণ বিজ্ঞান ভিত্তিক একটি অভিনব ক্যালেন্ডার
প্রকাশিত হল। উদ্দেশ্য হাতে-হাতী সহ সর্বস্তরে মানবজাতির
মধ্যে বৈজ্ঞানিক দৃষ্টিভঙ্গি তৈরি করা। এতে প্রতি মাসে
বৈজ্ঞানিক তত্ত্বসম্পন্ন দিনগুলি চিহ্নিত করা হয়েছে, প্রতি
মাসে এক একটি রোগ এবং সেই রোগ সৃষ্টিকারী জীবাণু
সম্পর্কে সংক্ষিপ্ত আলোচনা করা হয়েছে, বিশিষ্ট
জীববিজ্ঞানীদের জন্মদিন চিহ্নিত করা হয়েছে, তাঁদের ছবি
সহ আলোচনার ক্ষেত্রে বর্ণনাও সংযুক্ত করা হয়েছে। এছাড়া
ভারতীয় বৈজ্ঞানিক গবেষণা সংস্থার স্মরণার্থে তথ্য
জানদা হয়েছে। কেউ মহিলাশিক্ষার্থীদের নিয়ে বৈজ্ঞানিক
গবেষণা চাইলে এখান থেকে বিভিন্ন তথ্য সুরা পেতে পারবে।



ক্যালেন্ডারটি
দীর্ঘমেয়াদে
প্রদান অধ্যাপিকা ড. স্বধা মুখোপাধ্যায় সোসাইটির পক্ষ
থেকে ক্যালেন্ডারটির আনুষ্ঠানিক প্রকাশ করেন। তাঁদের
পক্ষ থেকে জানানো হয়েছে, ক্যালেন্ডার অতিমারি অবশ্যে
এবং উদ্ভাবনী চিন্তাকে উৎসাহিত করে এই সাংস্কৃতিক পক্ষ থেকে
নানা উপোগ্য গ্রহণ করা হয়েছিল। সেই সূত্রে সর্বস্তরের
স্তরে বৈজ্ঞানিক ক্যালেন্ডার নির্মাণ প্রতিযোগিতা অনুষ্ঠিত
হয়েছিল। এই প্রতিযোগিতায় প্রথম স্থানধিকারী
ক্যালেন্ডারটি সম্পাদনা করে প্রকাশ করা হয়েছে।
ক্যালেন্ডারটি প্রকাশের পর থেকেই শিক্ষক ও গবেষক


মহলে বাপক গ্রন্থসো পাঠে।
অধ্যাপিকা ড. স্বধা মুখোপাধ্যায়ের বক্তব্য,
'ক্যালেন্ডারটি বিক্রি করার পরামর্শ কেউ কেউ বিজেম।
কিন্তু আমরা মাত্র ১০০০ কপি প্রিন্ট করেছি এবং বিজ্ঞানের
প্রসারের জন্য আমাদের নিজস্ব আয়ত্রে কিনাগুলো বিতরণ
করাছি। এখন এটি এতই জনপ্রিয় হয়ে উঠেছে যে অনেক
স্থল অস্থিত একটি পিডিএফ কপি চাইছে।' অভিযান্ত্রিক
বিজ্ঞানকে সাধারণের মধ্যে আরো জনপ্রিয় করে তোলার
উদ্দেশ্যে আরও অনেক অভিনব পরিচালনা আরও বলে
জানিয়েছেন সোসাইটির স্টুডেন্ট কো-অর্ডিনেটর
অধ্যাপিকা ডা. মেহেরী মল্লিক।

স্টেটসম্যান

Sat, 22 January 2022

<https://epaper.thestatesman.com/c/>

Publication of calendar 2023 developed by
Microbiology department of this college.



DAC NEWS BULLETIN

DINABANDHU ANDREWS COLLEGE

54 Raja SC Mallick Road, Baishnabghata, 24 Parganas (South), The University of Calcutta, Kolkata, West Bengal, 700084

ACHIEVEMENTS OF DINABANDHU ANDREWS COLLEGE

Contribution of Dinabandhu Andrews College towards successful Moon Mission, 2023



মাসয়্য দাস
বাড়ি: দক্ষিণ ২৪
পরগনার ভাঙড়ের বোদরা গ্রামে পড়াশোনা: গড়িয়া

দীনবন্ধু অ্যাক্সিজ কলেজ থেকে পদার্থবিদ্যায় স্নাতক
ইসরো: চন্দ্রযান-২ ও চন্দ্রযান-৩ অভিযানে টেলিমেট্রি ট্র্যাকিং ও কম্যান্ড নেটওয়ার্ক সম্পর্কিত কাজের সঙ্গে যুক্ত
Published in 'Aranda Bazar Patrika' on 26.08.2023

বঙ্গের কুশীলবেরা-৩

১. **ড. অক্ষয় কুমার** - আইসিটি, আইসিটি

২. **ড. অক্ষয় কুমার** - আইসিটি, আইসিটি

৩. **ড. অক্ষয় কুমার** - আইসিটি, আইসিটি

৪. **ড. অক্ষয় কুমার** - আইসিটি, আইসিটি

৫. **ড. অক্ষয় কুমার** - আইসিটি, আইসিটি

৬. **ড. অক্ষয় কুমার** - আইসিটি, আইসিটি

৭. **ড. অক্ষয় কুমার** - আইসিটি, আইসিটি

৮. **ড. অক্ষয় কুমার** - আইসিটি, আইসিটি

৯. **ড. অক্ষয় কুমার** - আইসিটি, আইসিটি

১০. **ড. অক্ষয় কুমার** - আইসিটি, আইসিটি

Dinabandhu Andrews college contributes to the successful Moon mission, 2023.

DEPARTMENT OF PARLIAMENTARY AFFAIRS

GOVERNMENT OF WEST BENGAL


YOUTH PARLIAMENT COMPETITION

This is to certify that Dinabandhu Andrews College,
District South 24 Parganas participated in the District Level Youth Parliament Competition for the Year, 2022-2023.

Date: 26th September, 2022

(Signature)
District Magistrate
South 24 Parganas

Dinabandhu Andrews College participated in the district level youth parliament competition for the year, 2022-23.




Application Details	
APPLICATION NUMBER	202241073543
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	19/12/2022
APPLICANT NAME	1. Dr. A. S. Vijayakumar 2. Dr. M. Sivakumar 3. Sundarajan G 4. Dr. Tanmay Ghosh 5. Dr. Guru Prasad Muggala 6. Dr. S. Prashant Prasad 7. Anwar I Khan 8. Jagdish Prasad Sreedhar G 9. Archana Pattanah 10. Dr. Bibin K Jose 11. Steven Ull Heister 12. Vidara Rangana Jayathilaka
TITLE OF INVENTION	COMBINING MACHINE LEARNING MECHANISM WITH STATISTICAL MODELS FOR PREDICTING THE SURVIVAL OF LUNG CANCERS
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	thilakresearch@gmail.com
ADDITIONAL E-MAIL (As Per Record)	thilakresearch@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	-
PUBLICATION DATE (IJS 11A)	13/01/2023

UTILITY PATENT

ACHIEVEMENTS PATENT




ORIGINAL

IPR No : 132344



भारत सरकार
GOVERNMENT OF INDIA
विद्युत वाणिज्य
THE PATENT OFFICE
विद्युत व निशान व निशान
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन नं. / Design No. 386071-001
 तारीख / Date 15/09/2022
 आविष्कारक देश / Reciprocity Class*
 देश / Country

अभिलेखित डिजाइन नं. डिजाइन नं. 386071-001
 नानोटेक्नोलॉजी आधारित फार्म
ANALYSING DEVICE नं. 10-05 नं. 1. Dr. Tanmay Ghosh 2. Dr. Mohan Kumar Bhowmik 3. Dr. Rangana Math 3. नं. 10-05 नं. 1. Dr. Tanmay Ghosh 2. Dr. Mohan Kumar Bhowmik 3. Dr. Rangana Math

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in Class 10-05 in respect of the application of such design to NANOTECHNOLOGY BASED FARM ANALYSING DEVICE in the name of 1. Dr. Tanmay Ghosh 2. Dr. Mohan Kumar Bhowmik 3. Dr. Rangana Math.

डिजाइन नं. 386071-001
 नानोटेक्नोलॉजी आधारित फार्म
ANALYSING DEVICE नं. 10-05 नं. 1. Dr. Tanmay Ghosh 2. Dr. Mohan Kumar Bhowmik 3. Dr. Rangana Math

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

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भारत की संरक्षण प्रणाली - 2019/2020/2021

GRANT PATENT




Application Details	
APPLICATION NUMBER	2023104338
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/01/2023
APPLICANT NAME	1. Dr. Tanmay Ghosh 2. Dr. Pugazharuthi Bakthavatchalam 3. Dr. Ashok Gnanasekaran 4. Mr. Anwar Khan 5. Dr. C. Radhika 6. Mr. Ajay Singh Sardi 7. Ms. Ishwari Choudhary 8. Mr. Swapnil Banerjee 9. Dr. Guru Prasad Muggala
TITLE OF INVENTION	A STUDY OF ANTI-BIPEPTIC ACTIVITY OF ETHANOLIC LEAVES EXTRACTS OF ALTERNANATHERA SESLIE IN WISTER RATS
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	tanmay.tanmayghosh780@gmail.com
ADDITIONAL E-MAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	-
PUBLICATION DATE (IJS 11A)	27/01/2023

UTILITY PATENT




Application Details	
APPLICATION NUMBER	202341016909
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/03/2023
APPLICANT NAME	1. Sivaa Arumugam Ramakrishnan 2. Sindhu Kalajirao 3. Dr. Tanmay Ghosh 4. Deepalaxmi RK 5. Saahil Mehmood 6. Souvik Giri 7. Shilpa Chandel 8. Debasis Patra 9. Prashant Singh 10. Dr. Kapil Palwal
TITLE OF INVENTION	AUTOLOGOUS PLATELET RICH PLASMA (PRGF) PRESERVES GENOMIC STABILITY OF GINGIVAL FIBROBLASTS AND ALVEOLAR OSTEOBLASTS AFTER LONG-TERM CELL CULTURE
FIELD OF INVENTION	BIOTECHNOLOGY
E-MAIL (As Per Record)	thilaksayifa@gmail.com

UTILITY PATENT

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MAKE US PROUD

Our asset, ARUP KARPA, SEM5 GEOGRAPHY (H) has stood 3rd position in 100 meter & 2nd position in 200 meters run. We are very proud of this promising athletic.



MAKE US PROUD

Martina Chakraborty, Youth Parliament Competition. District: South 24 Parganas, Awarded as Best Parliamentarian & Best Leader of Opposition.



DEPARTMENTAL MAGAZINE

Petri arts create by the departmental students



Joyita Chowdhury Semester 6



Anwasha Pal Semester 6



Himadri Shekhar Paul



Nilanjana Ganguly Semester 6

Cross words



Across

- Spherical shaped bacteria
- Organism which requires a host to live
- Something spiral in form
- A filamentous N₂ fixing bacteria
- Formulation that stimulates body's immune response against disease
- Most abundant genetic molecule present in every living
- Discontinuous strands of DNA
- Study of microorganisms
- Most abundant structural proteins found in animals.
- Coding portion of the gene
- Carrier for a part of DNA fragment.
- Glucose degradation pathway.
- Locomotive organ found in some bacteria.
- Non cellular proteinaceous disease-causing entity
- A reproductive particle produced by Basidiomycete fungi.
- Organism that can produce their own food using

Down

- Most abundant single celled organism.
- Agent responsible for causing a disease.
- Drug that mostly kill pathogenic microorganism.
- Asexual non motile spore of fungi.
- Outbreak of an infectious disease at the same time and community.
- Organism that contains only a single cell.
- Father of microbiology.
- Causative agent of Measles.
- A mixture of saliva and mucus coughed up from respiratory tract
- Alternative for glycolysis
- Eukaryotic single cell microorganisms
- Organism that lives on dead/decaying organic matter.

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DEPARTMENTAL MAGAZINE

CREATIVE STROKES



Srabasti Barai
Semester 6



Joyita Chowdhury
Semester 6

MICRO-LAUGH

Departmental students create several comedy arts on the different topics of microbiology and provides a general knowledge.

Bacteria enters in body...



Joyita Chowdhury
Semester 6

MICROBES UNDER FAVOURABLE CONDITIONS



BRING ME HUMANS!!!!!!

MICROBES IN THEIR DORMANT STAGE



IM JUST A PATHETIC LOSER.....

Malay Shubhra Singha
Semester 2

Professor telling me about the importance of laboratory contamination



Shrestha Rooj
Semester 4

Me and my friends working without lab coat, alcohol or spirit lamp in the lab

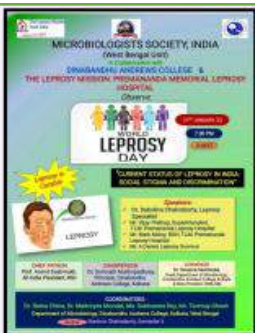
Macrophages getting ready to engulf;



Surati Das
Semester 2

DEPARTMENTAL ACTIVITIES

Webinar on Leprosy Day in collaboration with MBSI and Premananda Memorial Leprosy Hospital



Celebration the International Mother Language Day by the department on 21st february



DEPARTMENTAL ACTIVITIES

A Hand made poster competition is organized on by the department on International Vaccination Day.



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DEPARTMENTAL ACTIVITIES

A educational visit organized by the department at NIBMG Kalyani



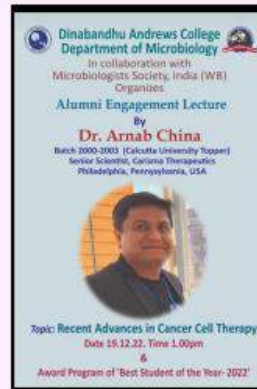
DEPARTMENTAL MAGAZINE

DEPARTMENTAL ACTIVITIES

Our department arranged a freshers programme in every year



Alumni Engagement Lecture by Dr. Arnab China, senior scientist of Carisma Therapeutics, USA



Departmental Activities

E-Poster and Meme competition to observe National Science Day, in collaboration with Microbiologists Society of India, WB Uni



Student seminar on Medical Microbiology and Instrumentation



Department of microbiology arranged a E-Poster and a meme competition to observe national science day in collaboration with MBSI.



Microbiology department arranged a model presentation competition and talented students participated in this competition and presented various microbiology related models.

DAC NEWS BULLETIN

DINABANDHU ANDREWS COLLEGE

54 Raja SC Mallick Road, Baishnabghata, 24 Parganas (South), The University of Calcutta, Kolkata, West Bengal, 700084

DEPARTMENTAL MAGAZINE

YOUNG TALENTS



Departmental talented students won the prize in drawing competition and debate competition. Also awarded as Youth Parliament Competition. District: South 24 Parganas, Awarded as Best Parliamentarian & Best Leader of Opposition.

YOUNG TALENTS



Departmental talented students create a football team named microbiology football team has achieved the the man of the match in football competition



The students also won the prize in table tennis match and fair play.

DID YOU KNOW ?

Earthy smell after raining, This special odor, also referred to as petrichor, actually comes from a bacteria called as *actinomyces* in soil.

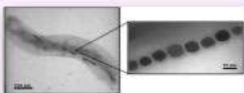


Cordyceps is often referred to as the "zombie-ant fungus" because it really can hijack the brains and bodies of insects, turning them into real-life zombies.

You are more likely to be struck by lightning than to be eaten by a shark. You are more likely to be infected by flesh-eating bacteria than you are to be struck by lightning.

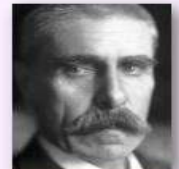


Magnetotactic bacteria biomineralize a unique organelle called the magnetosome. Magnetosomes consist of a nano-sized crystal of a magnetic iron mineral. Magnetosome chains causes the cell to behave like a miniature compass needle

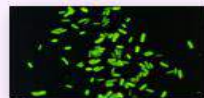


DID YOU KNOW ?

Before the discovery of Penicillin, doctors used to treat neurosyphilis by infecting the patients with Malaria. This treatment was discovered by Julius Wagner-Jauregg and is known as pyrotherapy. After the patients recovered from syphilis they were treated with quinone.



In the American civil war, some soldiers noticed that their wounds were faintly glowing blue, and that the wounds which glowed healed quicker. Scientists have hypothesized it was likely a fluorescent bacteria which also produced antibiotics growing in their wounds



There would be no oxygen on Earth were it not for sunlight; the key component in photosynthesis. Now researchers have made the surprising discovery that oxygen is also produced without sunlight, possibly deep below the ocean surface.

Nitrosopumilus maritimus turned out to be able to make oxygen in a dark environment. In the newly discovered pathway, *Nitrosopumilus maritimus* couples the oxygen production to the production of gaseous nitrogen.

