## ARBITit happens here...

## **#FOOD-TALK**

## Nature's Candy

This fruit contains serotonin, and eating just two before bed can help promote better sleep.



processed refined sugar is had for health and can cause numer ous ailments like high blood pres sure, acne, weight ain. diabetes. and fatty liver disease, among others, is a well-known fact. Still, those with a sweet tooth find it extremely hard to stay away from such foods. But, what if

we told you that there is a super healthy way to satiate your sweet cravings minus all the detrimental effects? Look no further than fruit! We would like to think of fruit as 'nature's candy' as it is naturally sweet and also provides many mood-boosting plant compounds that support mental fitness. All you need is a little bit to feel



🔽 ruits, naturally, have a sweet flavour and also contain a wide range of vitamins. minerals. antioxidants. and other plant components, all of which are beneficial to one's health. Additionally, fruits are high in a number of essential vitamins and minerals like vitamin C, potassium,

and folate. She added that natural sugars give the body the nutrients it needs, to stay healthy, along with quick but long-lasting energy, and also keep the metabolism steady. Natural sweetness and essential nutrients like potassium. vitamin C. and folate can be found in fruits.

been shown to support

healthy memory and cog-

Naturally high in vitamin

B6, a nutrient whose defi-

ciency has been associated

with symptoms of anxiety

Apple: Excellent source of

pectin, a prebiotic fibre

that feeds the good bacte-

ria in the gut for a healthy

processed sugar comes from

packaged food or is added to

foods and beverages during

the manufacturing process

or before eating, adding that

consuming too much sugar

can lead to weight gain, acne,

and risk of type 2 diabetes,

along with several medical

conditions.

Melon:

nitive function.

Watermelon.

and depression.

microbiome

## **Benefits of Certain Specific Fruits**

- Strawberry, Blueberry: Rich in fibre and antho cyanins for reduced neu-
- roinflammation. Kiwi: Contains serotonin and eating just two before
- bed can help promote better sleep. • Lemon. Orange: Loaded
- with vitamin C. which helps regulate neurotrans-
- mitter function. Contain Cherries: polyphenols that have

## Natural vs Processed (White) Sugar

🗨 ugar, in any form, is a Source of carbohydrate that is converted into glucose and used for energy by the body. But, the level of energy depends on the source of sugar. Fruits. dairy products. vegetables, and other foods are a natural source of sugar, whereas refined or

## Harmful Effects of Processed Sugar

**D** rocessed sugar has numerous bad effects on health. These include obesity, type 2 diabetes, and even increased chances of getting a heart disease. Additionally. they are linked to an increased risk of liver disease, certain

types of cancer, depression and dementia. Numerous health issues, including obesity and belly fat, both of which are risk factors for more serious conditions like diabetes and heart disease, are to related to refined sugars.



## How Green should a **Green Rajasthan be!**

Loss of Biodiversity is a major concern. The introduction of non-native species, alteration of habitats and disruption of ecosystems can lead to a decline in biodiversity, affecting local flora and fauna. This has been seen in the areas now benefitting from The Indira Gandhi Canal, particularly in the Jodhpur area. So much so that a concerted effort has been made to uproot the foreign shrubs and replace it with the native plants in the hills surrounding Mehrangarh.



Isarda Dam.



Dr. Goutam Sen CTVS Surgeon raveller

has been trying to enhance its economic status in the recent months. The present administration has the added advantage of being in synchrony with the Central Government. Besides the attempts to bring in

ajasthan Government

more industries into the state through concerted efforts with ambitious projects like 'Rising Rajasthan,' there are many projects, which have lain idle in the back shelves of our offices, are get ting attention anew. Most of these projects were good to begin with, out could not be taken up because of political compulsions.

Among these projects, one of the most important was the Eastern River Canal Project (ERCP). After new initiatives, it is proposed to be finished within five years, once the work begins, following the preparation of the Detailed Project Report (DPR). ERCP is an ambitious project of over 40,000 crores, which will help augment irrigation facilities in an area of around 2 lakh hectares in 13 semi-arid districts of Rajasthan, namely Jhalawar, Baran, Kota, Bundi, Sawai Madhopur, Karauli, Dholpur, Bharatpur, Dausa, Alwar, Jaipur

and Ajmer in eastern Rajasthan The major hitch was the finances. Earlier, the project couldn't get status of national project as it was planned on 50% dependable yield against the established norm of 75% dependability. On December 13, 2022, the proposal to integrate Parvati-Kalisindh-Chambal Link Project with ERCP was approved by the central government as a priority link project. This added to the yield by 10%

A tripartite MoU (which has now matured into a Memorandum of Agreement, MrA) was signed on January 28, 2024 in New Delhi for preparation of joint DPR of the project among the Centre Rajasthan and Madhya Pradesh governments

According to the latest MrA, Ramgarh Barrage, Mahalpur Barrage, Navnaira Barrage, Mei Barrage, Rathore Barrage, Dungri Dam, feeder system from Ramgarh Barrage to Dungri Dam. capacity enhancement of Isarda Dam and rehabilitation of 26 prebuilt dams are included in the East Rajasthan Canal Project. It is hoped that the dams surrounding Jaipur will benefit from this project. The long cherished dream of bringing water to the Ramgarh Dam near Jaipur will also be a beneficiary. The state will provide a smaller portion of the total expense of the project instead, according to the new MrA. as it is now part of the interlinking of rivers project of the union government. Now. 60% bearing of the cost will be under the national project.

The greening of this region will have additional benefits. The



Merging of Parbati-Kalisindh and Rajasthan Canal.

## THE WALL

\$7.55





Soil salination lays land unproductive and bare

## **#PIPPED DREAMS**



master plan of Jaipur is now being expanded into a much larger region to include the outlying areas upto forty kilometers from the central point. This will increase the population of Jaipur by an estimated 20 lakh people. Newer Economic zones will sprout in this area, giving employment to a large number of people. It will help in increasing the number of tourist spots, which have been neglected due to scarcity of water. The question that arises is

that, will this project have any deleterious effects also? Rajasthan, being one of the driest states in India. has indeed been witnessing various initiatives to bring water to its arid areas. While these projects aim to alleviate water scarcity and promote development, it's essential to consider their potential environmental and ecological implications.

## What are the Potential Risks and Concerns?

There is a risk of disruption of Natural Water Cycles. Large-scale water diversion projects can alter natural water cycles, leading to changes in groundwater recharge, soil moisture, and evapotranspiration patterns.

Loss of Biodiversity is a major concern. The introduction of nonnative species, alteration of habitats and disruption of ecosystems can lead to a decline in biodiversity, affecting local flora and fauna. concerted effort has been made to uproot the foreign shrubs and replace it with the native plants in hills surrounding the Mehrangarh. These irrigation projects can lead to soil salinisation, reducing soil fertility and affecting crop yields. The chance of change in the crop may lead to shortage of the primary crops like millet and corn. The construction and operation of large water infrastructure projects can lead to increased greenhouse gas emissions, con-

Gandhi Canal. particularly in the

Jodhpur area. So much so that a

tributing to climate change. Finally, the displacement of local communities, alteration of traditional livelihoods and cultural heritage can have significant social and economic implications. The example is seen in the region of the Kevadia in Gujarat, where the Statue of Unity has been erected. The tribals were displaced and had to learn new trades to survive.

The Climate Change implications are multiple. It can alter precipitation patterns, leading to more frequent and intense droughts and floods, which can impact the efficacy and sustainability of water projects. Rising temperatures can lead to increased evaporation from water bodies, reducing the availability of water for various uses. Climate change can lead to increased water pollution, affecting both

# **BABY BLUES**



## **Single Tasking Day**

ave you ever felt like you're juggling ten things at once, only to drop them all? Enter Single Tasking Dav to help vou out! This day urges us to switch gears from our multi-tasking madness to doing one thing at a time. It's like giving your brain a cozy, focused hug, making it a standout moment in our calendar of chaos. Unplug and Unwind. Try turning off your gadgets for a few hours. This digital detox lets your mind breathe from the constant buzz of notifications. Use this time to enjoy a quiet walk, meditate, or sip on your favourite tea, savouring the calm.

Parvati-Kalisindh Project.



W hile water projects in Rajasthan aim to address water scarcity, it's essential to carefully consider their potential environmental and ecological implications. By implementing mitigation measures and adopting sustainable water management practices, we can minimise adverse effects and promote a more resilient and sustainable future for the region.

Changes in water availability and quality can impact ecosystem services, such as nutrient cycling. soil formation, and habitat provision. The construction of water infrastructure can lead to habitat fragmentation, disrupting ecological connectivity and affecting the movement of species, particularly bird migration. The submersion of forest land surrounding lakes will affect the fauna of the region. Changes in water temperature and quality can impact aquatic life, affecting the overall health and resilience of ecosystems.

## However, there are mitigation measures!

This requires assessment of the potential environmental and ecological impacts of water projects to identify mitigation measures. It becomes possible by promoting water-saving technologies, efficient irrigation systems, and rainwater harvesting to reduce water waste and optimize water use Special care top reserve and restore natural habitats, such as wetlands and forests, to maintain ecological connectivity and promote biodiversity is of primary importance.

The success of such massive projects are an ongoing process. Continuous monitoring of the environmental and ecological impacts of water projects and adaptation of management strategies are needed to minimise

In conclusion, while water projects in Rajasthan aim to address water scarcity, it's essential to carefully consider their potential environmental and ecological implications. By implementing mitigation measures and adopting sustainable water management practices. we can minimise adverse effects and promote a more resilient and sustainable future for the region. The importance of deserts

adverse effects.

have to be understood while advocating water projects in those regions. Deserts, covering about one-third of the Earth's land surface, play a crucial role in maintaining the planet's ecological

## Here are some reasons why deserts are essentia for the world

Deserts are home to unique and adapted flora and fauna, such as cacti, succulents, and desert animals like camels, reptiles, and insects. They help in Carbon Sequestration. Deserts, especially those with vegetation like the Mojave or Sonoran Deserts, absorb and store carbon dioxide, contributing to climate regulation. Arid areas are a significant source of dust, which carries essential nutrients to other ecosystems, influencing global nutrient cycles. Deserts influence global wind patterns, which in turn, affect weather and climate conditions worldwide. These tracts of dry land help regulate Earth's temperature by absorbing and releasing heat, which, in turn, influences global

climate patterns. Considerable

economic and cultural significance of deserts are often unrealised. These areas are rich in mineral resources, such as copper, gold, and lithium, which are essential for various industries. Some of the rare metals, like lithium, are found n these regions only.

Deserts have cultural and spiritual importance for many communities, providing a connection to their heritage and traditions. Now, if all arid areas of the

world were made water-sufficient, some issues will require attention Altering desert ecosystems

could lead to the loss of unique and adapted species, compromisng global biodiversity. Changes in desert ecosystems could influence global climate patterns, potentially leading to unpredictable and extreme weather events, which are occurring more often in these days.

Making deserts water-sufficient would require significant water management efforts, which could strain global water resources and lead to conflicts over water allocation.

In conclusion, deserts play a vital role in maintaining the Earth's ecological balance, regulating the climate, and supporting unique ecosystems. While making deserts water-sufficient might seem appealing, it's essential to consider the potential consequences and strive for sustainable solutions that balance human needs with environmental conservation

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Eastern Rajasthan Canal.

## Loved 'Chhaava?'

Here are some other historical dramas that will transport you to the past.

Our current interest in historical dramas stems from a growing interest in revisiting the past to reflect on the present we've inherited.

the India-Pakistan border, which

inspired *Heeramandi*, we've round-

ed up a few historical dramas from

around the world, that you can

watch to travel back to the past.

Jodhaa Akbar (2008)

historical epic that tells the

A love story of Mughal Emperor,

Akbar, and Rajput princess, Jodhaa

Bai, through Hrithik Roshan and

Aishwarya Rai Bachchan's sizzling

chemistry. To strengthen political

ties, Akbar marries Jodhaa, but

their relationship starts cold due to

cultural and religious differences.

Over time. Jodhaa's strong will and

intelligence earn Akhar's admira-

tion, and love blossoms between

them. As Akbar expands his empire,

he faces betrayal, court conspiracies

and rebellions, even as his just rule

and religious tolerance make him a

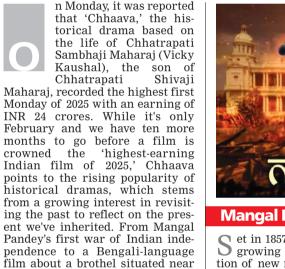
beloved leader. The film beautifully

tics, portraying the evolution of an

blends history, romance and poli-

emperor and his queen.







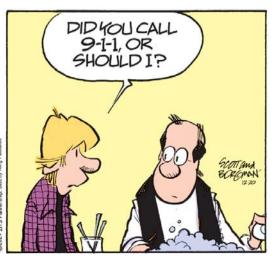


## Bajirao Mastani (2015)

D espite being married to Kashibai (Priyanka Chopra), Maratha Peshwa Bajirao (Ranveer Singh) falls deeply in love with the Bundelkhand princess, Mastani (Deepika Padukone), a fierce warrior. Their passionate romance faces fierce opposition from society, his family and orthodox traditions, with Bajirao not only having to battle enemies on the battlefield but also the prejudices of his time. As war and politics take their toll, Bajirao and Mastani's love story ends in tragedy, but their devotion remains immortal. The sets and music in this Sanjay Leela Bhansali directorial deserve a special mention.

historical drama based on the 1862 🗚 Maharaj Libel Case, Maharaj follows Karsandas Mulji (Junaid Khan), a journalist and social reformer. He chal lenges the revered religious leader Maharaj 'JJ' (Jaideep Ahlawat), after uncovering that he is abusing his female followers under the pretext of re-enact ing the 'charanseva,' an act of worship between Krishna and his gopis Determined to expose the truth. Karsandas embarks on a legal battle that shakes societal norms and questions blind faith. Facing threats and opposition, he fights for justice, leading to a landmark case that redefined press freedom and religious accountability. Set in 19th-century Bombay, the film explores themes of courage, morality and the power of truth.

By Jerry Scott & Jim Borgman









This has been seen in the areas human health and ecosystem now benefitting from The Indira

# balance



## **Maharaj (2024)**