Sunayan Sharma

onsoon is welcome

in most of India but

in Rajasthan, a

drought-prone state,

it has special impor-

tance. From this

point of view, year

2024 has been very

Rajasthanis, espe-

cially to denizens of

Udaipur, the city of lakes and a

known tourist destination at

When *Udaipureans* were busy

world level for its scenic beauty.

celebrating the great monsoon

and killing a woman in Jhadol

township, falling under the tribal

belt, by a leopard. The forest

department had hardly geared up

to assess the situation to take pre-

ventive measures to stop such

incidences that another such

mauling and killing got reported

from Gogunda tehsil area, also by

a leopard. Certainly, it was a dif-

ferent leopard because both the

places are situated at quite a dis

tance from each other. The forest

officials rushed to this new loca-

tion, and before they could make

arrangements to capture the killer

animal, another killing, in almost

the same fashion, took place in

same area, at a bit distance from

but for the township of Gogunda,

is inhabited by tribals. There was

a hue and cry in the region. The

forest officers were under attack

by both media and people. Cages

were planted at different locations

with baits to attract the killer but

all went in vain. The killer clever-

ly continued attacking and killing

women, children and old people.

The entire Gogunda region,

there came sad news of attacking

FS (Retd.). Ex-field

Director, Projec

#RESEARCH

Air Pollution Boosts Alzheimer's Disease Risk

"Residential air pollution can negatively affect our brain, even decades before we actually develop Alzheimer's disease. This points to a sensitive time period for both exposure and opportunity, because that is the time when prevention strategies and interventions are most effective."



found that adults exposed to high levwere increased risk of

developing Alzheimer's disease. In a study of 1,113 participants between the ages of 45-75 from the Emory Healthy Brain Study, all of whom were from the Atlanta metropolitan area. the researchers found positive biomarkers of Alzheimer's disease, specifically amyloid plaques, in the cerebrospinal fluid of participants, who were exposed to ambient and trafficelated air pollution at their homes. This study, which appears in *Environmental lealth Perspectives*, was the largest of its kind and adds to the growing body of evidence

that suggests air pollution



directly contributes to degen-

period for both exposure and

opportunity, because that is

the time when prevention

strategies and interventions

tion is generally bad for

human health, including

brain health. By showing a

relationship to levels of the

amyloid protein in the cere-

brospinal fluid, this study

suggests that air pollution

might increase the risk of

developing Alzheimer's dis

ease," says James Lah, princi-

pal investigator of the Emory

Healthy Brain Study and an

associate professor in the

Neurology department at

"The flip side of that is

Emory's School of Medicine.

that by cleaning up our envi-

ronment, we might also help

reduce the burden of

Alzheimer's disease.'

"We know that air pollu

are most effective."

Pollution and Your Brain

studies represent both ends of the spectrum. In our previous study, we showed associations between residential exposure to air pollution Alzheimer's-related changes in the brain in an autopsy cohort, and now, we found similar results in a study of living adults, who were, on average, 15 years younger and cognitively healthy," says Anke Huels, the study's lead author and an assistant professor in the Epidemiology department at Emory University's Rollins School of Public Health.

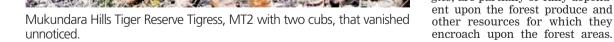
"This is important because it shows that residential air pollution can negatively affect our brain, even decades before we actually develop Alzheimer's disease This points to a sensitive time

How to reduce Air Pollution Exposure

imit time and avoid physical activity outside on days when your local air quality index reports that air quality is poor. If you must be outside on poor air quality days, consider wearing a mask, such as an N95 mask. Do other things known to help reduce Alzheimer's risk, including these tips from the Centers for Disease Control

and Prevention.

- Practice eating a healthy
- Engage in regular physi-Prevent/manage
- blood pressure and blood Quit smoking and avoid
- excessive alcohol consumption. Get plenty of sleep.



anishing Why? Tigers

Unfortunately, for last two decades, there is competition amongst the wildlife managers to grow tiger, leopard-like ferocious animals, irrespective of the limitations of the reserve. This all is being done under pressure of the tiger/lion/leopard tourism lobbies. Most of the governments have turned Nelson's eye towards this gross mis-management. It is no management, rather ill-management and needs be corrected back at top priority. The surplus animals must be shifted to the deficit areas.

Wildlife officers and staff person-

nel from Sariska-Ranthambore

Tiger Reserves were deputed to

tackle the situation, under guid

ance of senior wildlife officers,

here. Even police and military

the cages from different locations

falling under Gogunda, albeit

attacks and killings kept on

ascending by leopard/ leopards.

Expert shooter was called in from

Hyderabad to kill the culprit ani-

mal, and lastly, one leopard, hope-

fully the real culprit, got shot by a

police party on duty here. Overall,

six casualties at Gogunda and one

at Jhadol took place in a span of

sought relief after elimination of

this beast that on 3rd November, a

shepherd boy was attacked and

killed by a tiger on the periphery

of Ranthambore Tiger Reserve,

and again, another villager was

killed by a different tiger of this

reserve on the succeeding 6th Nov.

killings, not only blocked traffic

on the main road connecting the

village to Sawai Madhopur but

also attacked the tiger and killed

evoked sensitive media and

wildlife conservationists to hold

debates on this issue of ever ris-

ing conflict between people and

wild creatures especially carni-

January this year, a tiger, coded as

STR 2303, had ventured outside

the Sariska Tiger Reserve into

neighbouring Haryana state's vil-

lages falling under its Rewadi dis-

trict. Its rescue operation by the

Sariska management did not suc-

ceed. On the contrary, a dedicated

staffer, Hira Balaai, got seriously

injured during attack by this tiger.

Hira was so grievously hurt that

till date (9 months post the attack),

he has not recovered enough to

join duty. This tiger, after some

It is also mentionable that in

These brutal incidences

People, much agitated by these

The forest officials had hardly

just twenty days.

Four leopards got captured in

troops were pressed into service.

Man-eater Panther shot at Gogunda on 18.10.24.

decades, there is competition

amongst the wildlife managers to

grow tiger, leopard-like ferocious

animals, irrespective of the limit

tations of the reserve. This all is

being done under pressure of the

tiger/lion/leopard tourism lob-

have turned Nelson's eye towards

bies. Most of the governments

phants, buffer zones have been cre-

ated. But unfortunately, these are

being treated and managed as

extensions of the core areas and

development works to lure that

wild animals are being carried out

in core areas. Consequently, over

some time, these animal-free areas

too get some wild creatures, includ-

man's land loses relevance.

ing large carnivores. And this no

senior IFS officers, trained at the

prestigious Wildlife Institute Of

ndia, too, have conveniently

ignored this important thumb rule

of wildlife management, succumb

ing to pressures from the wildlife

tourism lobbies and their powerful

beneficiaries, the politicians,

Nature conservation is right of

every human being and looking to

this important role of forest offi-

cials, prestigious Indian Forest

Service was formed by our ances-

tors, along with IAS, IPS. A forest

officer has to learn to say a 'no,'

instead of compromising on the

the country had reduced to just

1800+ animals. The visionary

In 1972, the tiger population in

basic principles of forestry.

I am saddened to mention that

#WILD BUT GAME

D ebates concerning such conflicts have been going on since long.

In fact, every such fateful incidence

of human killing by a wild animal

was debated and suggestions were

made by the experts to curb these

cases has seen no decline, why?

Primarily, protection and develop-

the forest department.

ment of wildlife is jurisdiction of

The same way, several times, wild

animals including large carni-

vores like tiger, leopard, wolf,

hyena, caracal break into human

settlements for food, water, prey

etc. Undoubtedly, these are

encroachments in other's domain,

which pave ways for such con-

flicts, which result in injuries and

killings on both sides. Several

wild animals fall victim to poach-

ers and are even poisoned, electro-

cuted by villagers, enraged by

crop raiding and damage to their

livestock. One does not require

any rocket science to understand

this phenomenon, but certainly,

solution to evade such problems

needs a well-thought out manage-

ment plan for all such wildlife

At selected sensitive places,

masonry walls can be constructed

but this being a costly affair, low

voltage electric fencing can be a

adequate waterholes and fodder

areas within core reserve areas

can be an effective solution to put

a check on herbivores raiding

agricultural crops during drought

mals should be checked from mul-

tiplying to cross over the carrying

capacity of the reserve.

Populations of all kinds of ani-

Unfortunately, for last two

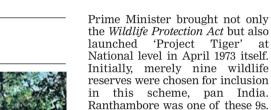
Of course, development of

reserves/ forests.

good substitute

incidences but the repetition of such



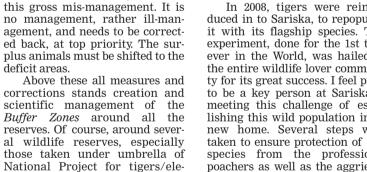


from Chhattisgarh has been taken under umbrella of this special scheme and the country can boast to have risen the tiger population to 3682 (as per data, year 2023). In 1973, Sariska also got birth in this scheme and flourished nicely, but unfortunately, lost all its tigers by the year 2004. This was result of gross mis-management by the authorities, then looking after the reserve. The inquiries revealed that this annihilation of tigers was caused by poachers. Of course, some infa-

In November 2024, the 56th Reserve

mous smugglers like Sansarchand were kingpins behind these poachings, but in many cases, it was villagers, living within and on the periphery of the reserve. The villagers got entangled in this crime to get rid of the tigers killing their In 2008, tigers were reintro-

duced in to Sariska, to repopulate it with its flagship species. This experiment, done for the 1st time ever in the World, was hailed by the entire wildlife lover community for its great success. I feel pride to be a key person at Sariska in meeting this challenge of establishing this wild population in its new home. Several steps were taken to ensure protection of this species from the professional poachers as well as the aggrieved villagers. But within few months of my super annuation from here in 2010, the male tiger, the 1st from the reintroduced population, got killed by villagers by poisoning, giving severe jolt to the ambitious programme. Ranthambore, too, is fac-



ing this problem.



Tiger Cubs are charming but most prone to accidents.



Hira Balaai, forest personnel, Sariska, seriously injured by tiger ST-2303, during rescue operation.



custody at Sariska HQs.

Ranthambore and one male had reached there on its own from Ranthambore. One tigress littered there, but today, it is reduced to just In 2022, Ramgarh Vishdhari

Tiger Reserve came into existence in the South East of Rajasthan, comprising areas from Bundi, Kota and Bhilwada districts. Here, two tigers were introduced in 2022. where one already existed since 2020. The introduced tigress littered three cubs, of which one died and two got missed out and the tigress too died in mysterious circumstances, as it was untraceable for quite some time, and ultimately, its more than a month-old carcass was recovered. The missing tigress and the cubs hit headlines of several newspapers and TV Channels. How an emerging tiger reserve, surviving with few tigers, can afford to miss its only tigress, supporting three cubs?

It was also accepted by the reserve authorities that the radio collar of the tigress was not functional for long. It is highly callous approach towards protection of nese rare animals. Alike Project Tiger, the Government of Rajasthan also launched an ambitious Leopard Project, few years back. Today, nobody knows as to what is the outcome of that project. Certainly, it can't be deemed to be a successful one. The recent Udainur conflict at this level is testament to it, which resulted into chaos persisting for almost a month, claiming several human lives and trapping of 4-5 leopards, shooting down

The governments must show will to revive lost effectiveness in the interest of the people at large, casting aside petty interests.

Tigers vanishing from our reserves, where and why? is a question that embarrasses me even as a retired forest officer. How officers in chair and the governments can



Get More Exercise Each Day

There are simple steps to sneak more exercise into your daily schedule.

xercise is essential for our overall health. It can boost our mood, relieve stress, increase energy, improve sleep quality and lower our risk of health condi tions like diabetes, cardio vascular disease and high blood pressure. But if exercise is so mportant, then why is it so dang hard to do each day? Here are seven tricks that actually work to help you get more exercise day-to-day. And no, going to the gym and doing a hardcore weight workout isn't required. Here's our secret sauce for getting more active each and every day, one step at a time.

Set A Routine

OK, so, this isn't really a secret. Creating a regular habit of working out would be ideal, duh! It's creating that habit that's the tricky part. Here's where we can help. One of the most efficient ways to

build a habit is through the Cue-Routine-Reward system. MIT researchers discovered the power of the neurological loop at the core of every habit. This 'habit loop,' later coined by Charles Duhigg in his 2012 book, The Power of Habit, consists of three parts, a cue, a routine and a reward. This system can apply to ouilding any habit, from drinking more water to waking up earlier. And it can certainly apply to creating a workout habit.

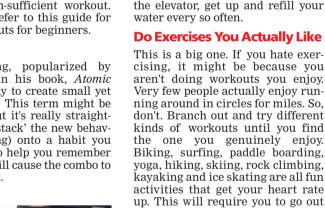
A lot of people assume that they need to run themselves ragged in the gym to get more fit, but that's really not true. All you need is about 30 minutes a day. The US Department of Health and Human Services recommends a minimum of 150 minutes of moderate aerobic activity a week, that breaks down to a little more than 20 minutes each day. They also recommend strengthtraining that works the major muscle groups at least two times a week.

Thirty minutes is an ideal place to



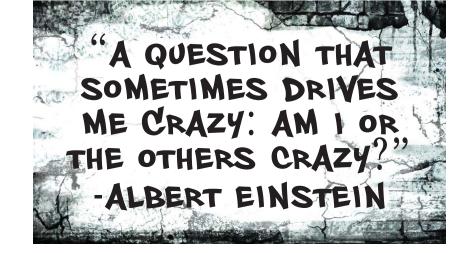
start to fulfill your weekly needs. You can also start with low-impact activity. A brisk walk in the evening is a more-than-sufficient workout. You can also refer to this guide for the best workouts for beginners.

Habit stacking, popularized by James Clear in his book, Atomic *Habits*, is a way to create small yet healthy habits. This term might be new to you, but it's really straight forward, you 'stack' the new behaviour (exercising) onto a habit you already have to help you remember to do it. This will cause the combo to become a habit.



There's no shame in catching up on your favourite show while hitting the gym. Not only does the enter tainment keep mind off the burn in legs, but it pushes you to stay longer.

Exercise doesn't need to be soli tary. In fact, having a workout partner can keep you motivated and hold you accountable in your routine. If you don't have one buddy to join you, sign up for a workout class. The structure of working out in a group can push



BABY BLUES

Tiger-leopard heads seized by forest personnel.

time, returned back to Sariska on

its own but again this August, it

crossed back into Harvana and

was roaming there till it could be

tranquilized and shifted to

Ramgarh Vishdhari Tiger Reserve

flicts have been going on since

long. In fact, every such fateful

incidence of human killing by a

wild animal was debated and sug-

gestions were made by the experts

repetition of such cases has seen

no decline, why? Primarily, pro-

tection and development of

est department and its officers

and therefore, primarily, man-wild

animal conflict resolution is their

enough to take up these responsi-

bilities and have shown their

excellence in several spheres,

reserves and multiplying number

of wild animals in these protected

areas but they have not succeeded

in tackling this important prob-

It is true that the forest depart-

ments in several states of India

are understaffed since long and

several of these are facing finan-

cial crunches. This shortcoming

can be taken care of by the respec

tive governments, but on the basis

of my long experience, I can say

and deeper. In fact, chief problem

lies in faulty management prac-

to the villages, are bound to face

these conflicts every now and then

because of the conflicting inter-

ests of wild animals and peripher-

al communities. The villagers, liv-

ing on the periphery of the jun-

gles, are partially or fully depend-

ent upon the forest produce and

The reserves, located adjacent

that the problem is much bigger

especially in creation of wildlife

The officers are qualified

wildlife is jurisdiction of the for-

to curb these incidences but the

Debates concerning such con-

on 11th Oct of 2024.

responsibility

lem so far.



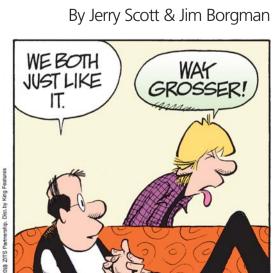




ZITS







don't. Branch out and try different kinds of workouts until you find the one you genuinely enjoy. Biking, surfing, paddle boarding, voga, hiking, skiing, rock climbing kayaking and ice skating are all fun activities that get your heart rate up. This will require you to go out of vour comfort zone and to be patient as you try things out, but it'll be worth it when working out no longer feels like a chore. **Get Active While Watching TV**

erence room, anything to get up

and get moving. Try to get up often

to stretch your legs. Rather than

emailing or Zooming co-workers,

get up and talk to them in person, if

you can, use the stairs rather than

vou to work harder while also ntroducing you to new people.

THE WALL

