38 | ADJUSTED
Different leaf shapes are evidence of a clever adaptation to the environment.

48 | IN HARNESS
Viola Priesemann loves riding, but at the moment, she has almost no time for her ponies.

66 | ECONOMIC
Steel from the eco-friendly forge can be produced with lower CO₂ emission levels.

74 | CAPTURED
Gravitational waves from black holes are regularly getting caught up in the detectors’ network.
03 | EDITORIAL

06 | ON LOCATION
A nesting box in the Westerholz forest near Landsberg am Lech

08 | IN BRIEF

18 | VIEWPOINT
A custodian in the time of corona

The fight against COVID-19 appears to be taking place mainly at national level, while the World Health Organization, the WHO, has kept away from the public eye and has repeatedly been the subject of criticism.

FOCUS
One way or another

24 | We cultured humans

In many ways, our thoughts and actions are influenced by our social background. That’s why people’s behavior varies so widely between different countries throughout the world. We cannot ultimately determine what it is that makes us human until we are aware of what we have in common and what our differences are.

30 | Midwife of the galactic zoo

Stars cluster in galaxies of dramatically different shapes and sizes. There are elliptical, spheroidal, lenticular and spiral star systems, and occasionally even star systems without any clear form at all. Why is this so? And what role does dark matter play?

38 | Diversity in the leafy forest

Lanceolate, ovate, elliptical, entire, serrated, and uni- or multi-pinnate – there are numerous names to describe the variety of leaf morphology. Researchers have been examining the reasons behind this diversity. They have already found one central regulatory element.

46 | INFOGRAPHIC
Black holes – space-time traps

48 | VISIT TO
Viola Priesemann
An infectious interest in the coronavirus

KNOWLEDGE FROM

56 | DNA origami

What is life? How did it emerge? To find out, researchers are following an ambitious plan. They aim to create artificial cells and, by so doing, to discover what is essential for life.

60 | Caution – toxic green!

Not everything that is green in nature is good. Some plants produce toxins that can make us sick – or even kill us. Which behaviors protect children from dangerous plants?

66 | Energy revolution in the blast furnace

It’s impossible to imagine modern life without metals. How can they be produced and used in a more sustainable way? The ideas being developed could completely revolutionize the industry.

74 | A big fish is making big waves

Astronomers have detected a black hole with a mass that is 85 times that of our sun – and which in fact ought not to exist. What’s the reason for this?

78 | Forests change the climate

Scientists are in dispute as to whether forests can best protect the climate if they are managed sustainably or left undisturbed.

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