



RIGHTS CATALOGUE 2023

Non-fiction

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MORE INFORMATION



Marco Galluccio

The entropy of salad

Science and technology in 50 questions

50 fun and original chapters about the science of everyday life, and beyond, ranging between various disciplines and satisfying all our curiosities.

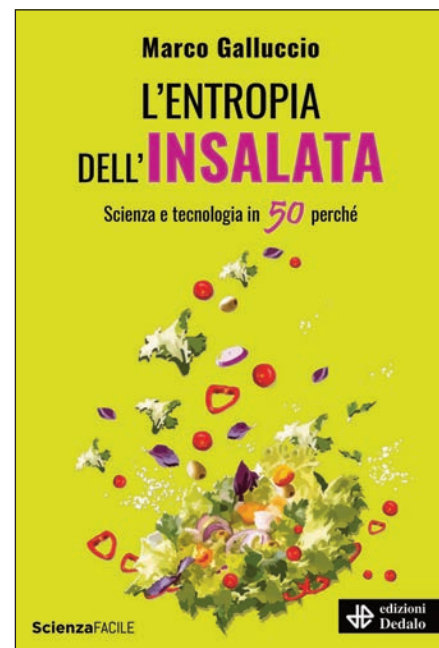
The book

What does entropy have to do with salad? Why is sea water salty? Why is an hour divided into sixty minutes? Are we able to make our homes energy-independent? You can find the answers to these and many other questions in a multidisciplinary journey, which ranges from meteorology to mathematics, acoustics, painting, cinema, literature and cooking science, just to name a few disciplines.

50 ironic and unusual chapters address the most disparate issues in a dense dialogue between apparently very distant subjects. The result is a sort of scientific "hymn" to human knowledge but also, at the same time, a compendium of informal ideas that act as a stimulus for further insights into everyday life. The only requirement needed: a hint of curiosity.

The author

Marco Galluccio is an engineer who has always been interested in science. He cooperates with associations, universities and public research organizations such as the National Research Council and the National Institute of Nuclear Physics. He writes for several magazines, including *Focus* and the official magazine of the Italian Navy.



CURIOSITY - HISTORY OF SCIENCE

Publication: July 2023

Pages: 184 - Size: 14 x 21 - Black & white ill.

Alessandro Abbotto - Vito Capriati

The new chemistry of the XXI century

Green revolution and ecological transition

Ecological transition results from a green revolution that changes how chemistry works. Two researchers explain the new chemistry of the XXI century, based on Sun and sustainability.

The book

Chemistry is often connected to negative events, such as pollution or the dangers related to industrial processes and products. Nowadays, a new ecological chemistry is emerging, aiming to work against energetic crisis and give humanity new sustainable productive systems, towards not only a green revolution, but a whole ecological transition.

This new chemistry is inspired by the Sun in order to create sustainable fuels and ensure environmental, social and economical sustainability. In this way it is eco-friendly: it aims to a circular economy and the reduction of waste materials; it finds new ways to substitute natural renewable fuels to toxic, inflammable solvents and fossil fuels.

This is the chemistry that will also lead our society through the next decades, based on respect towards the environment and people.

The author

Alessandro Abbotto, professor of organic chemistry and researcher at Bicocca University in Milano. His researches are mostly focused on materials in the field of a sustainable use of solar energy in order to produce fuels from renewable sources. **Vito Capriati**, professor of organic chemistry and researcher at Aldo Moro University in Bari. His studies are mostly focused on organometallic reagents and sustainable and unconventional materials for reactions.



CHEMISTRY - CLIMATE

Publication: July 2023

Pages: 144 - Size: 14 x 21 - Black & white ill.

Ottavio Davini

50 great ideas Medicine

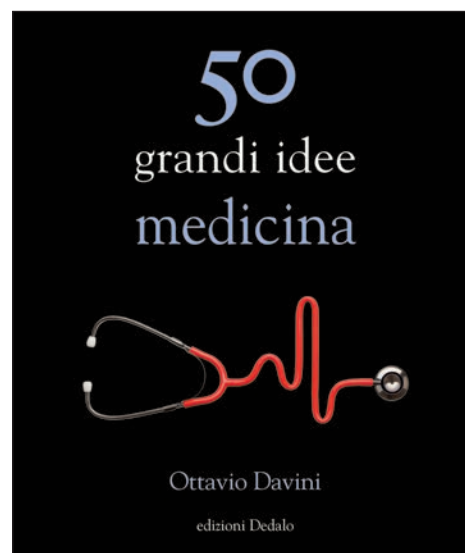
From Hippocrates to Florence Nightingale, from anticancer therapies to the birth control pill, all the most significant moments of the fascinating excursus that led to today's medicine.

The book

The relationship we have today with medicine is in a precarious balance between wonder and frustration. Knowing the great ideas that, throughout history, have changed medicine so profoundly is a simple and direct way to familiarize with the stages that have led us – in the last centuries – to double life expectancy, but at the same time to understand what the limits of medicine still are, and how difficult it is to cross them. The book describes those moments, placing them in the historical and cultural context, and giving us the tools to know what we can reasonably expect today (and why) and what can instead come from the future and from research.

The author

Ottavio Davini is a radiologist, former Head Physician of Molinette Hospital in Turin. He is the author of various books and publications.



MEDICINE

Publication: May 2023

Pages: 208 - Size: 17 x 20



BIOETHICS - CLIMATE

Publication: April 2023

Pages: 176 - Size: 14 x 21

Paolo Donadoni

Planet Future

The author asks 15 questions to 10 brilliant women, experts in various fields of knowledge. The result is a surprising overview of planet Earth and its changes, as well as of the future that awaits us.

The book

An original formula: the author asked 15 different questions to 10 brilliant women, experts in various fields of knowledge, Luisella Battaglia, Donatella Bianchi, Mariasole Bianco, Patrizia Caraveo, Maria Cristina Falvella, Maria Lodovica Gullino, Fiorella Lo Schiavo, Barbara Mazzolai, Elisa Palazzi, Lucia Regolin. The result is a surprising overview of planet Earth and its changes, no longer natural, but also due to the processes started by humans. The Anthropocene – the era in which the entire terrestrial ecosystem is modified by the impact of human activities – is illustrated here in its dual nature: both the dark and destructive side, and the one illuminated by the conquests of knowledge and technology.

The author

Paolo Donadoni is a lawyer at the Court of Appeal of Genoa, has a PhD in Bioethics at the University of Genoa, and is current Mayor of Santa Margherita Ligure. He has published numerous essays and books on bioethics.

Pierluigi Contucci

Artificial intelligence revolution

Challenges, risks and opportunities

Contucci gives us an overview about artificial intelligence, helping us to separate myths from facts. A book suitable for everyone that emphasizes the challenges, risks and opportunities that await us.

The book

Nowadays computers learn autonomously, outdo the human beings in many of their mental abilities and recently can also speak fluently: artificial intelligence is giving rise to a new unstoppable industrial revolution. Contucci helps us to understand how this increasingly pervasive technology works and helps us identify the risks and challenges that await us, in order to be able to transform this change into a great opportunity.

The author

Pierluigi Contucci, mathematical physicist, is full professor at the University of Bologna, visiting professor at the Tokyo Polytechnic, at the Institut Henri Poincaré in Paris and at New York University. He deals with statistical mechanics and its applications. In 2019 he coordinated the Table on Artificial Intelligence for the National Research Plan wanted by the MIUR.



TECHNOLOGY

Publication: March 2023

Pages: 96 - Size: 13 x 18



ENERGY TRANSITION - INVESTIGATIVE JOURNALISM

Publication: November 2022

Pages: 176 - Size: 14 x 21

Marcello Brecciaroli – Giuseppe Laganà

The electric future

Technological challenges, costs and hopes of the energy transition

The war in Ukraine has sadly made clear the urgency of the energy transition. *The electric future* follows this necessary but complex revolution, highlighting its potential and risks. How will the global balance of power change? Are we ready for this crucial appointment?

The book

It's urgent to replace the use of fossil resources with renewable energies, not only to drastically reduce CO₂ emissions into the atmosphere, but also to no longer depend on coal, oil and gas-producing countries such as Russia. Thus, the goal set by the European Union to achieve climate neutrality in 2050 is once again very topical and electrification is one of the solutions on which Europe is focusing the most. *The electric future* explains the great international challenge and the tough geopolitical competition to grab the "new oil": lithium, cobalt, rare earths, raw materials indispensable for producing the tools of the energy transition. This investigative book follows this necessary revolution in the field, highlighting its potential, the risks and the resistance of a part of the world that does not want to change.

The author

Marcello Brecciaroli has been a reporter and filmmaker for *Presa Diretta* since 2017. He has worked for the major Italian television channels. In 2015 he won the DIG Award with a survey on oil extraction.

Giuseppe Laganà, professional journalist, in Rai since 2007, has worked in numerous television programs. He has been a reporter for *Presa Diretta* since 2015 and has dealt with social, economic and public administration issues in his reports.

Alessandro Macina

The Blue lung

Saving the oceans to fight global warming

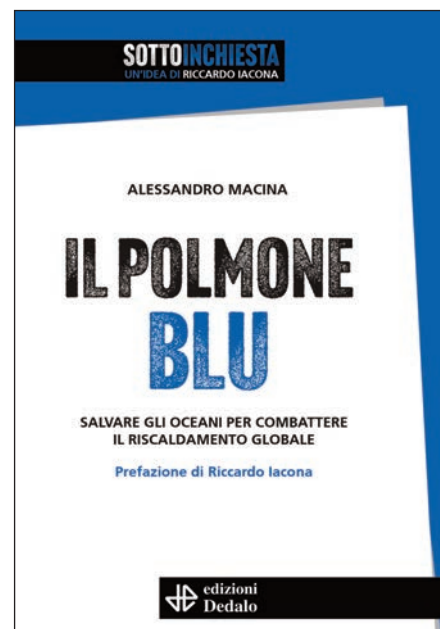
So far, the oceans have been our best allies in the fight against climate change, but the price is very high. How much longer can we go on like this? A journalistic investigation in the “blue lung” of the planet with exclusive interviews and reports from all over the world.

The book

The oceans produce half of the oxygen on the planet. And they have been our best allies in the fight against climate change, absorbing a third of greenhouse gases and 90% of the heat produced by human activities. If global warming isn't out of control yet, it's because the oceans are saving us from unsustainable living conditions. But the price is very high: warming and acidification of water, loss of biodiversity and productivity, anoxia. How much longer can we go on like this? Increasingly intense and frequent extreme events, and sea level rise are just a preview of what could happen in the next decades. This book contains original interviews and reports from all over the world: the Arctic, the large coastal cities of the United States, the increasingly hot Mediterranean, Venice. Let's do something, there is no planet B.

The author

Alessandro Macina is a professional journalist, in Rai since 2007, and a reporter for *Preso Diretta* since 2009. He has made numerous reports around the world on the climate and environmental crisis. He won the XIX Ilaria Alpi prize in 2013 and the national science dissemination prize in 2019.



CLIMATE - INVESTIGATIVE
JOURNALISM - OCEANS

Publication: March 2023

Pages: 176 - Size: 14 x 21



Franco Malerba

Food in space

Life in orbit and the food of the future

The first Italian astronaut talks about life in orbit and the outlooks for space travel, reflecting in particular on the food and resources that will be needed.

The book

What do astronauts eat? Why are microgreens grown on the International Space Station? And why will nutrition become increasingly essential for future exploration of the Moon and Mars? Malerba tells us about space food of all times, from the amusing background of past missions, which he experienced firsthand, to his next goals.

The author

Franco Malerba is the first Italian astronaut: he flew into space in 1992 as engineer on board the Atlantis shuttle, which carried the Eureka laboratory and the Italian Tethered satellite into space. Graduated in Electronic Engineering and Physics at the University of Genoa, he held various positions of responsibility in research and in the high-tech industry, in Europe and in the United States. He is a founding partner of some space start-ups and works as a freelance journalist.

FOOD - SPACE

Publication: October 2022

Pages: 96 - Size: 13 x 18 - Colours ill.

Silvano Fuso

Is the future organic?

Organic, biodynamic agriculture and science

Fuso reveals the truth about organic and biodynamic agriculture, trying to highlight its pros and cons for the consumer and the environment, debunking hoaxes based on scientific evidence.

The book

Organic and biodynamic agriculture are now very fashionable and are often referred to as solutions to our agri-food problems. But are organic products really better than conventional ones? To give an answer, beyond any ideology, it is necessary to rest on concrete scientific evidence, analyze the advantages for the consumer and for the environment and debunk the fabrications of the producers.

The author

Silvano Fuso, chemist and PhD in Chemical Sciences, has been involved in scientific dissemination and critical analysis of pseudosciences for many years. He is a member of CICAP (Italian Committee for the Control of Claims on Pseudosciences), founding member of SETA (Science and Technology for Agriculture) and is the author of several successful books. The asteroid 2006 TF7 orbiting between Mars and Jupiter was named after him.



AGRICULTURE - FOOD - FAKE NEWS

Publication: October 2022

Pages: 96 - Size: 13 x 18 - Black & white ill.



CLIMATE - ENERGY TRANSITION

Publication: September 2022

Pages: 152 - Size: 14 x 21 - Colours ill.

Nicola Armadori

A world in crisis

Gas, nuclear, renewables, climate: it's time for a change

Eight years of SAPERE • Preface by Enrico Giovannini, former Ministry of Labour

From the Covid-19 pandemic to the war in Ukraine, the world is going through a structural crisis, fueled by an unsustainable energy system. This book, written by one of the most authoritative experts on the energy transition, reflects on the major issues of our society.

The book

We are immersed in a structural and systemic crisis – from energy to economy and health – and only with immediate and decisive actions we can get out of it. The origin is a now indefensible energy system. We will not save ourselves with an unattainable return to nuclear power or an ingenious technique for extracting gas and oil such as fracking. The time has come to take advantage of the immense renewable power that nature makes available to us. This book collects and updates eight years of reflections on the problems that threaten to crush our civilization. And it offers authoritative and clear solutions.

The author

Nicola Armadori is a CNR Research Director and a member of the Italian National Academy of Sciences. He is Fellow of the Royal Society of Chemistry, Chemistry Europe Fellow Class, associate editor of *Photochemical & Photobiological Sciences*, and member of the Editorial Board of *Chemistry-A European Journal*. He is elected member of the Executive Board of the European Chemical Society (EuChemS) and serves as director of *Sapere*, the first Italian science magazine.

Enrico Bonatti

How the oceans are born

The life of the planet depends on water

How did the oceans form? And why is water the basis of life? Bonatti explains us why our Earth is the "blue planet".

The book

Why is Earth the only planet in the Solar System with liquid water? And how did the oceans and continents form? Bonatti speaks about the past, the present and the geological future of our seas; he thus retraces the link between water and life that has shaped the history of humanity through his personal experience on oceanographic ships and dives on the seabed, up to almost 6000 meters.

The author

Enrico Bonatti has taught Marine geology at the University of Miami, then moved to Columbia University in New York. He has directed numerous oceanographic expeditions and has descended several times to the bottom of the Atlantic. He has taught at the universities of Pisa and Rome La Sapienza and directed the Institute of Marine Sciences (ISMAR) of the CNR. Member of the Accademia dei Lincei, of the Russian Academy of Sciences, and fellow of the American Geophysical Union, he received the Feltrinelli award from the Accademia dei Lincei and the Shepard award from the American Geological Society.



CLIMATE - GEOLOGY - OCEANS

Publication: July 2022

Pages: 96 - Size: 13 x 18 - Black & white ill.



Massimo Trotta

The power of trees

How photosynthesis improves the planet

Without photosynthesis there is no life. The plants, capable of making available the energy of the Sun, have shaped the history of our planet and humanity. Their resilience inspires us and can help us find effective solutions for the ecological transition.

The book

It took millions of years of evolution, starting with the emergence of biological life, to make the Earth the fascinating place it is. The key to the success of this profound transformation is photosynthesis, the most important biological process and the only one capable of capturing the light of the Sun and supporting all living beings. This fascinating book presents the moments in which photosynthesis played a key role. A story that takes us through geological history, with an eye to the future.

The author

Massimo Trotta is a chemist of the National Research Council. He is the author of over 100 scientific articles in international journals and supports his research activity with a lot of scientific dissemination. He is a member of the editorial board of *Sapere*, the oldest Italian popular science magazine. He won the Gold Medal of the Italian Chemical Society, and was elected president of the European Society of Photobiology.

CHEMISTRY - ENERGY TRANSITION

Publication: June 2022

Pages: 96 - Size: 13 x 18 - Black & white ill.

Sara Moraca - Elisa Palazzi

We are all Greta

The unheard voices of climate change

Preface by Telmo Pievani • Finalist of the Galileo Prize for scientific literature

The stories of those who are experiencing climate change firsthand: a book for those who still think that our lives will not change and for those who want to learn how to deal with the crisis.

The book

The consequences of global warming are already changing the lives of entire communities, placing them in the face of significant adaptation challenges. This original volume collects the voices of inhabitants of different parts of the world, of those who experience the climate crisis on their own skin, from the native Greenlanders, to the young researcher who designs smart weather stations to promote agriculture in Uganda. The personal stories blend with rigorous scientific information, data, studies, to give life to a broader narrative, which aims to be above all human and emotional.

The author

Sara Moraca, biologist and science journalist, writes about climate and the environment in various national and international newspapers, including «Corriere della Sera», «Nature», «El País». She teaches Science communication at the University of Padua and at SISSA in Trieste.

Elisa Palazzi is a climatologist and associate professor at the Physics Department of the University of Turin. She carries on many scientific dissemination activities and is the author of many books and famous podcast about climate change.



CLIMATE

Publication: May 2022

Pages: 152 - Size: 14 x 21 - Colours ill.



HISTORY OF SCIENCE

Publication: April 2022

Pages: 288 - Size: 14 x 21 - Black & white ill.

Vito Tartamella

Marconi's chicken

and other 110 scientific jokes

The most complete collection of the jokes that have made (and sometimes changed) the history of science, from Franklin to Tesla, from CERN to «Science».

The book

It's the first historical essay in the world literature about 110 jokes pulled by scientists in the last century and over. Studying scientific literature, Vito Tartamella – a multi-awarded science journalist and long seller writer – found pranks arranged by Nobel prize winners (Guglielmo Marconi, Enrico Fermi, Richard Feynman, Hans Bethe, Andre Geim), and many other episodes in the last century in world scientific literature. Research institutions such as NASA, CERN, FermiLab, journals like *Science*, *Nature*, *British Medical Journal*, *Scientific American*, museums and laboratories all over the world had organized sensational jokes. All those pranks are placed in their scientific, historical and social context.

The author

Vito Tartamella is editor-in-chief of the monthly magazine *Focus*. Graduated in Philosophy at the Catholic University of Milan, he is a professor of scientific journalism in many university Masters. Author of books and articles, he has won prestigious national awards for journalism and scientific popularization.

Piero Bianucci

Is creativity innate or can you become a creative?

What is creativity? An innate gift or something to stimulate? And in which way is it connected with intelligence? Between history, neuroscience, art and humour, Bianucci explores one of the most fascinating and mysterious aspects of our mind.

The book

Creativity is one of the most mysterious qualities of our brain. It is not always related to intelligence, it takes on very different aspects in art and science. There is the "strong" creativity of Picasso or Einstein, moved by a divergent thought, capable of overturning the point of view on a problem, or changing a paradigm. The immense fortunes put together by Bill Gates, Jeff Bezos and Elon Musk are instead the result of a creativity of a different kind, which assembles the existing in a new way. Is creativity innate or built?

The author

Piero Bianucci is one of the most famous Italian scientific writers. He has published many bestsellers. He collaborates with *La Stampa*, Rai and Swiss radio. He teaches scientific journalism in a Master's degree at the University of Padua. For his work, the International Astronomical Union has named after him the asteroid 4821 in orbit between Mars and Jupiter.



NEUROSCIENCE - PSYCHOLOGY

Publication: May 2022

Pages: 96 - Size: 13 x 18

Black & white ill.



Sandro Carniel

The rising sea

How to adapt to an underwater future

Sea level rise is radically transforming places and ways of life which man had adapted to over thousands of years: what can we do to face this challenge? Carniel explains his original analysis, which makes us reflect on the "complexity" of climate change.

The book

Global warming is changing aspects of our lives that until a few decades ago were immutable (or so we thought). It has set in motion an inexorable rise in the level of the oceans, which accelerates more and more, devouring coastal lands and megacities, changing our physical and mental geography. How long will our seas continue to grow? How much can their level increase by the end of this century? Can we reverse this trend? Carniel explains the adaptation actions to a problem that will have enormous impacts within a few years, in a lucid and ruthless analysis of this emergency. But this book is also a call to action and a message of hope: we need urgent actions; the problem won't be solved if we close the eyes.

The author

Sandro Carniel, an internationally renowned oceanographer, is research director of the CNR and currently director of the research division of the CMRE, the only NATO maritime research and experimentation centre. Author of over 250 scientific articles in the sector, he is an appreciated science communicator and writer. He is a member of the scientific committee of One Ocean Foundation and in 2022 he was awarded the Golden Trident award.

CLIMATE - OCEANS

Publication: March 2022

Pages: 96 - Size: 13 x 18 - Colours ill.

Andrea Tilche

Seven lessons on climate transition

Science, politics and worldviews

Preface by Carlo Carraro, economist

Seven lessons between science and politics to reflect on the climate transition, on our future and, above all, on how we can intervene to change it.

The book

Thanks to his long experience between science and politics, Andrea Tilche leads us to the heart of the climate issue. The climate transition is non-negotiable, if we want to leave a habitable planet after us. Until now, it has been held back by colossal vested interests and narrow-minded worldviews. In moments of profound crisis, however, humanity has the opportunity to express itself at its best. This book is therefore an invitation to take up the challenge and engage on a political – and individual – level by listening to the lesson of science.

The author

For nearly twenty years, **Andrea Tilche** was in charge of the European Commission climate change research programme and headed the EU delegation at the Intergovernmental Panel on Climate Change (IPCC). He is senior advisor and adjunct professor at UiT, the Arctic University of Norway in Tromsø, and also adjunct professor at NTNU in Trondheim.



CLIMATE - POLITICS

Publication: February 2022

Pages: 128 - Size: 14 x 21



A series translated in 20 languages,
an international success, born in UK
and now continued by Dedalo.

BIOTECHNOLOGY

Publication: November 2021

Pages: 208 - Size: 17 x 20 - 2 colours

Stefano Bertacchi

50 great ideas biotechnology

From GMOs to bioplastics, to genetic engineering, to the most advanced medical procedures: key notions of biotechnology in 50 clear, brief, and extremely updated chapters.

The book

Biotechnology has been fundamental in our society for several decades, but most of people still misunderstand it. Terms such as transgenesis, bioremediation, biorefinery and biomimicry are more and more common in mass media language, but they are seldom properly explained. Stefano Bertacchi faces topical and burning issues such as GMOs, bioplastics, cloning and bioethics, starting from the basic biology and genetic engineering. This book analyses clearly and rigorously also industrial, environmental, medical, and food biotechnology, which are fundamental for the development of frontier technology.

The author

Industrial biotechnologist and PhD, **Stefano Bertacchi** investigates the development of bioprocesses based on residual biomasses. Moreover he is a science communicator and writer, author of "Piccoli geni" and "Geneticamente modificati" (2021 and 2017). He won the De Paoli-Marchetti prize awarded by the Unione Giornalisti Italiani Scientifici (UGIS) and the national prize for scientific communication in 2017 (category under 35), and he has almost 30 000 followers on Instagram.

Alfio Quarteroni

Algorithms for a new world

One of the most important applied mathematician in the world explains everything we need to know about algorithms: how they can predict the pandemic behaviour, how they are as artificial assistants, how they will change more and more our lives.

The book

From the epidemiological models used to prevent the spread of Covid to the latest self-driving cars, Quarteroni leads us in the world of applied mathematics. In a simple and attractive way, he is capable to let us understand even the artificial neural networks and the new artificial intelligence that gives life to Siri, Alexa and the other assistants. It is the beginning of a new mathematical world.

The author

Alfio Quarteroni is professor at the Politecnico of Milan, and at the EPFL. He is the founder of MOX and co-founder (and President) of MOXOFF. He is author of 22 books (some of them translated into up to 7 languages), editor of 5 books, author of about 350 papers, member of the editorial board of 25 International Journals, and Editor in Chief of two book series published by Springer.



MATHEMATICS

Publication: April 2021

Pages: 88 - Size: 13 x 18 - Black & white ill.



ASTRONOMY

Publication: October 2021

Pages: 96 - Size: 13 x 18 - Black & white ill.

Amalia Ercoli Finzi

Space race 1, 2, 3... go!

A crucial figure for international space missions unfolds the story of space race. An inspiring narrative of events that marked a huge moment in history, paving the way for humankind's present and future achievements.

The book

The "great voice" of Amalia Ercoli Finzi describes three key events that marked the beginning of space activity. The Sputnik launch, the first man in space and the conquest of the Moon: three milestones of a new age, the space age – which indelibly shaped next generations – described here in a casual and familiar way.

The narration, far from being a basic description of dates and events, is instead a representation of how the author felt those momentous chapters, and how these shaped her career.

The author

Amalia Ercoli Finzi has been the first woman to obtain an Aeronautical Engineering degree in Italy. Honorary professor at Politecnico di Milano, she was the PI for the experiment SD2 of the Rosetta mission.

Umberto Villante

Space weather: when the Sun get tantrums

**Magnetic storms, satellites gone haywire, blackouts:
how space weather influences our life**

What is space weather? Why it is important for our lives? This book explains how the Sun influences our lives and our technologic society.

The book

Blackouts, communication breakdown, air traffic gone haywire, satellites out of commission: solar storms have always existed, but nowadays their impact on our technologic society can be devastating.

The recent discipline called “space weather” investigates how the Sun’s activity influences our planet. Villante, one of the leading experts in this field, will introduce us sharply and clearly to international study programs and will show how much of these phenomena can the science comprehend and predict. Because of the potential repercussions on millions of people, it is important to wonder what the weather will be tomorrow on the Sun!

The author

Professor Emeritus at Aquila University, **Umberto Villante** has many years of experience in the field of physics of interplanetary space, magnetosphere and space weather. He is the director of the International School of Space Science, and president of the Space Weather Italian Community. In 2011 has been honored with Feltrinelli Prize awarded by the Accademia dei Lincei.



ASTRONOMY

Publication: November 2021

Pages: 176 - Size: 14 x 21, colours ill.



CLIMATE CHANGE- ENERGY

Publication: September 2020

Pages: 96 - Size: 13 x 18 - Black & white ill.

Nicola Armaroli

Energy emergency: there's no more time

The energy transition has to be now or never: there is no more time to waste. Armaroli exposes the latest data and facts and the solution is clear and possible. But we have to act now if we want to save our planet and our own existence.

The book

Energy is fundamental for every action we can image: we use energy 24/7. Without energy there could be no life. So why do we still use an “old” energy which is about to run out and endangers our planet? It is time to change, and it would be such a beautiful and advantageous change that we will not regret it. Try it to believe!

The author

Nicola Armaroli is a CNR Research Director and a member of the Italian National Academy of Sciences. He is Fellow of the Royal Society of Chemistry (FRSC), associate editor of *Photochemical & Photobiological Sciences*, and member of the Editorial Board of *Chemistry-A European Journal* and *Polyhedron*. He is elected member of the Executive Board of the European Chemical Society (EuChemS) and serves as director of *Sapere*, the first Italian science periodical.

Alessandro Abbotto

Hydrogen: the colours of energy

What are the differences between blue and green hydrogen? What does a hydrogen city look like? When is hydrogen really better than other fuels?

The book

Abbotto tells us everything we need to know about the energy of our future (and present), explaining the various “colours” of hydrogen, and when it is convenient to use a fuel or another (for example, in car, train, airplane, heating systems, and so on). The hydrogen revolution is about to start.



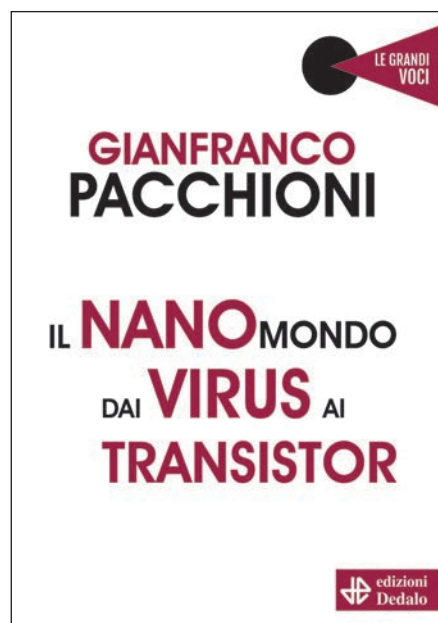
The author

Alessandro Abbotto is full professor at University of Milano-Bicocca in Organic Chemistry and Materials. He is also Head of the Department of Materials Science in the same university.

CLIMATE - ENERGY TRANSITION

Publication: July 2021

Pages: 96 - Size: 13 x 18, Black & white ill.



Gianfranco Pacchioni

Nanoworld: from virus to transistors

What is the nanoworld? And why is it important for our “macro” lives?

The book

The Sars-Cov-2 has proven that the minuscule things are as dangerous as the bigger ones (or even more), but the nanoscale is not only a biological one: the invention of transistor, which has led to the biggest technological revolution ever, is the main demonstration of the importance of the nanoworld. Moreover, nanotechnology is here to stay: it will lead to a new revolution capable of changing our lives forever, thanks to the molecular nanomachines. Are we ready for the next nano-revolution?

The author

Gianfranco Pacchioni is full professor of Solid state Chemistry at the University of Milano Bicocca where from 2013 to 2019 he has been Vice-Rector for Research. He received various awards and is co-author of more than 550 papers with about 27000 citations. He has written many successful books.

BIOLOGY - TECHNOLOGY

Publication: April 2021

Pages: 96 - Size: 13 x 18

Elena Ioli

Antarctica, the evidence of climate change

An epic journey across Antarctica, 77 female scientists from all over the world, one mission: the study of climate change.

The book

"Homeward Bound" is an international program that unites women in STEM (science, technology, engineering and maths) from all over the world. When Elena Ioli joined this program she could only imagine what the Antarctic voyage would have been. Now her story will amaze us too.

The first part of this book is her travel diary, full of an astonishing nature, the joy of penguins, and the various research stations. The second part of the book is devoted to the aim of the expedition: the fight against climate change. Studying climate change in Antarctica enables scientists to predict more accurately future climate changes and provide informations to politicians and policy makers. Reading this book can increase our awareness: we have to take urgent actions.

The author

Elena Ioli is an Italian theoretical physicist, teacher of physics at high school, science editor and author of physics textbooks and digital materials for educational purpose. She is member of the editorial board of the Italian science magazine Sapere. She holds a Master in Science Communication from SISSA (International School for Advanced Studies) in Italy. She has also written Mysterious black holes (Nero come un buco nero) translated in English and French.



ENERGY

Publication: October 2020

Pages: 96 - Size: 13 x 18 - Colours ill.



HISTORY OF SCIENCE

Publication: November 2020

Pages: 256 - Size: 14 x 21, Black & white ill.

Science in Southern Italy

14 portraits of great southern scientists

edited by Pietro Greco

The last book of the great scientific journalist Pietro Greco can be thought as his legacy: he wanted to bring to light that Science is possible even in the discredited South of Italy.

The book

14 great scientists born in the South of Italy in the last two centuries are here depicted by 15 scientists and journalists as remarkable as the ones they describe. Their genius, their works, their way to do science are emblematic of the potentialities of Southern Italy: it is time to discover this potential and make it seen by the world.

Characters and authors

Domenico Cirillo
Oronzo Gabriele Costa
Stanislao Cannizzaro
Maria Bakunin
Mauro Picone
Domenico Marotta
Francesco Giordani
Renato Caccioppoli
Ettore Majorana
Filomena Nitti Bovet
Renato Dulbecco
Felice Ippolito
Eduardo Caianiello
Ennio De Giorgi

written by Francesco Paolo de Ceglia
written by Rossella De Ceglie
written by Pietro Greco
written by Corinna Guerra
written by Carla Petrocelli
written by Pierluigi Argoneto
written by Gaetano Prisciantelli
written by Barbara Brandolini and Guido Trombetti
written by Roberto Bellotti
written by Francesca Buoninconti
written by Nicoletta Guaragnella
written by Romualdo Gianoli
written by Massimo Temporelli
written by Sandra Lucente

Eleonora Polo

Neverland

Plastic in the ocean between myth and reality

What are the plastic islands? Where are them and how many are there in the ocean? Why can't we see them by Google Earth? Is it possible to walk on them? Is it true that in 2050 we'll eat more plastic than fish?

There are lots of fake news about plastic islands, but we need to be aware of the problem, which is serious and has many consequences even on our food chain..

The book

What can we do to preserve the oceanic environment? What can we do to prevent or reduce marine pollution? Eleonora Polo explains with data, examples and a lot of striking stories everything we need to know about marine pollution, demolishing fake news with the truth of science.

The author

Eleonora Polo, chemist, is researcher at CNR and teaches at the University of Ferrara.



ENVIRONMENT

Publication: February 2020

Pages: 192 - Size: 14 x 21, Colours ill.



TECHNOLOGY

Publication: January 2021

Pages: 224 - Size: 14 x 21 - Black & white ill.

Paolo Gallina

A robot to resist temptations

How the anti-hedonistic machines can sabotage our instincts

One day machines will take our place and decide what is better for us: no, it's not science fiction, it's the present day. These are the anti-hedonistic machines, made to sabotage our worst instincts and resist temptations. But what are the risks of entrusting technology with our will?

The book

It's midnight, and I'm hungry. I try to open the fridge but it won't open until breakfast time. My diet is safe, thanks to the new timed lock. This is only one simple example of anti-hedonist machines, but there are many, different in purposes and "punishments" (from benefit denial to a real "punishment" like an electrical shock). Gallina leads us in this fascinating (and a bit terrifying) world. His advice is clear: these machines can really help us, but what is at stake?

The author

Paolo Gallina is professor of Robotics at the University of Trieste and is the author of several scientific works. His book *L'anima delle macchine* (*Machine's soul*) has won the Galileo Award for Scientific Dissemination and the National Award for Scientific Literature.

Luigi Borzacchini

The sense of algebra

The origin of the universal scientific language

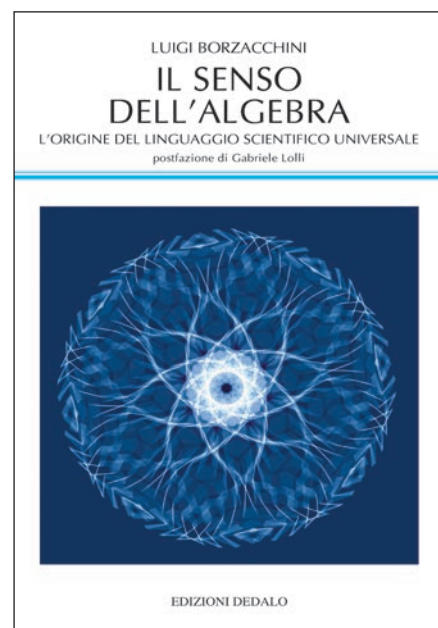
Most of us think that algebra is nonsense, it's an absurdity made of casual symbols that is of no utility in the world. True? False!

The book

With this inspiring history of algebra, Borzacchini shows us the true sense of this mathematical branch, which is the underlying language of the world: it is not only the language of maths, chemistry and physics, but also the one of computers and technology. Without algebra, our world would not be the same. For this reason, above all, we have to understand it and find its origin and primary sense.

The author

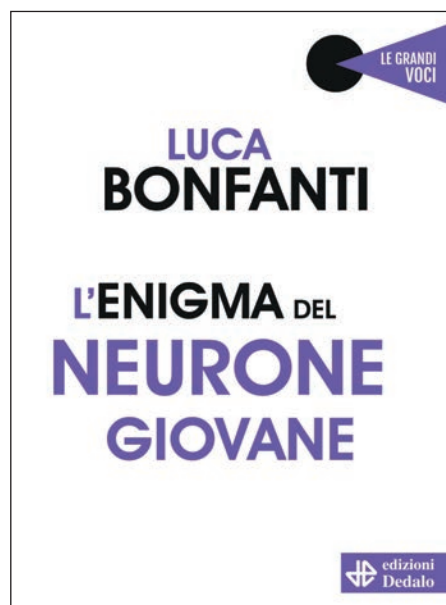
Luigi Borzacchini, now retired, has been for almost 50 years professor of Mathematical Logic and History and Foundations of Mathematics at the University of Bari.



MATHEMATICS

Publication: May 2021

Pages: 272 - Size: 14 x 21 - Black & white ill.



NEUROSCIENCE

Publication: February 2021

Pages: 96 - Size: 13 x 18

Luca Bonfanti

The puzzle of adult neurogenesis

Is it true that our brain gets old? Is it possible to stay young forever with the help of neurogenesis? And what does it mean "neural plasticity"?

The book

Bonfanti is one of the pioneer of neuroscience and in particular "adult neurogenesis": but instead of explaining it in a boring way, in this book, which is similar to a thriller, he tries to let us discover the fake news and the real outcomes of the neuroscientific research. Like Agatha Christie, he leads us in a great puzzle, one of the most mysterious of science: the one of our brain.

The author

Luca Bonfanti is Associate Professor of Anatomy at the University of Turin, and is research group leader at Neuroscience Institute Cavalieri Ottolenghi (NICO). Member of the Editorial Board of peer-reviewed journals, he works in many international scientific collaborations. He has published many books and scientific papers.

Luigi Borzacchini

Leonardo's solitude

The "universal genius" and the origins of modern science

What does Leonardo da Vinci represent for the birth of modern science? For some historians he was only a visionary inventor, for others he was a real pioneer of the Scientific Revolution. What is the truth? In this beautiful essay, written for the 500th anniversary of Leonardo's death, Borzacchini explains his original point of view: Leonardo was neither, he was a rather unique figure, alone in his contemporary scientific landscape.

The book

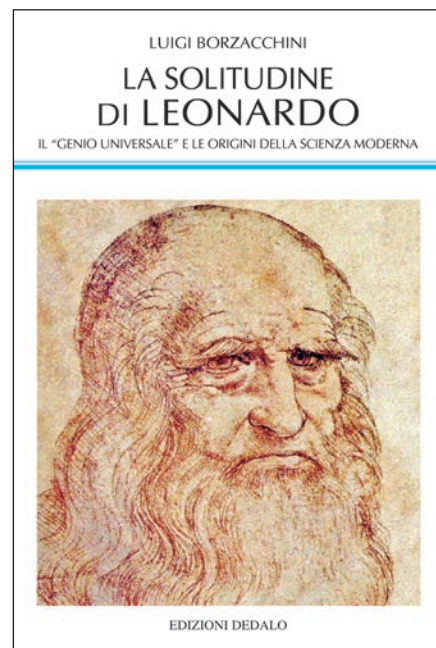
Leonardo da Vinci (1452-1519) is certainly a famous artist and inventor. However, his role in the foundation of modern science is controversial: what was his real contribution? And what can we really describe as "science" between 1400 and 1500?

Born only a century after Leonardo, modern science was already envisioned by this great artist and scientist, even if there is not a theorem or law that is named after him.

In this text, full of pictures and quotes, Borzacchini explains his original point of view about "Leonardo as scientist", from which it comes to light an innovative concept of the whole history of science.

The author

Luigi Borzacchini is professor of Mathematical Logic and History and Foundations of Mathematics at the University of Bari.



HISTORY OF SCIENCE

Publication: March 2019

Pages: 200 - Size: 14 x 21, Black & white ill.



Bruno D'Amore - Silvia Sbaragli

Math and his history

(voll. I-IV)

The great history of mathematics, explained in a simple and fascinating way, from the origin of maths to the present day.

The book

Mathematicians are men and women immerse in their society, not abstract and removed from reality like someone used to think. So, it is quite obvious that a deep understanding of their work cannot forget the historical perspective, the fundamental necessities at the base of their mathematical results. Euclide's way of thinking is very different from Cantor's one, and D'Amore and Sbaragli teach us how to understand them both, and use this historical point of view to better know the real maths (not only the Occidental one, but also the Indian and Oriental one).

The fascinating connections with literature, history, art, and other disciplines are the peculiarity of this great tetralogy, which can be really charming not only for teachers, but also for students and passionate readers.

The author

Bruno D'Amore is a mathematician, holds a PhD in Mathematics Education and teaches Mathematics Education, especially in Colombia, where he lives. He is also an art critic.

Silvia Sbaragli is a mathematician, holds a PhD in Mathematics Education and teaches at DFA-SUPSI of Locarno, Switzerland.

MATHEMATICS

1. From the origins to the Greek miracle
2. From the Greek sunset to the Middle Ages
3. From the Renaissance to the 18th century
4. From the 18th to the 21st century

Luca Gammaitoni - Angelo Vulpiani

Why is it so difficult to predict the future?

Our most elusive dream is investigated by physics

Magicians and fortune-tellers, oracles and prophets: since time immemorial we tried to predict the future, with disappointing and often awful results. But is it true that we can't predict what is going to happen? Physics actually says that it is not true: on the contrary, it is precisely what scientists do all time.

The book

This is not the same old book written by the same old scientists who tell that every possible effort to predict the future is going to be a failure or a fraud. On the contrary, the idea is that predictions are the main results of science, and especially of physics.

From the projectile trajectory to the height of tides, from earthquakes to weather forecast, we are going to examine how physics is (more or less) capable of foreseeing the "future" and why some predictions are better than others – Spoiler: the secret depends on chaos theory, on quantum mechanics or on something like this.

The author

Luigi Borzacchini Luca Gammaitoni is professor of Experimental Physics at the University of Perugia.

Angelo Vulpiani is professor of Theoretical Physics at the University La Sapienza in Rome.



PHYSICS

Publication: April 2019

Pages: 152 - Size: 14 x 21, Black & white ill.



HISTORY OF SCIENCE - TECHNOLOGY

Publication: September 2019

Pages: 136 - Size: 14 x 21, Black & white ill.

Carla Petrocelli

Computer is female

The brave and brilliant heroines who have changed the history of informatics

We usually think that informatics is "man stuff": Bill Gates, Steve Jobs, Alan Turing... Not at all! If we can use a phone, a computer or our daily technology is only thanks to some brave and brilliant women, erased by history, whose stories will surely fascinate you.

The book

If you have never heard the name of Grace Hopper, if you think that Hedy Lamarr was only a really beautiful actress, and if you know Ada Byron only for being George Byron's daughter, you have to read this book! These and other strong and gifted women have made the history of informatics.

Unfortunately, their names have been erased from the history of science, since the credit for their work was often given to the men with whom they worked. Now, at last, Carla Petrocelli tells their charming stories that will amaze you, and will change forever your way of thinking at technology.

The author

Carla Petrocelli is professor of History of Informatics at the University of Bari.

Paolo Gallina

The liquid mind

How machines can influence, modify and enhance your brain

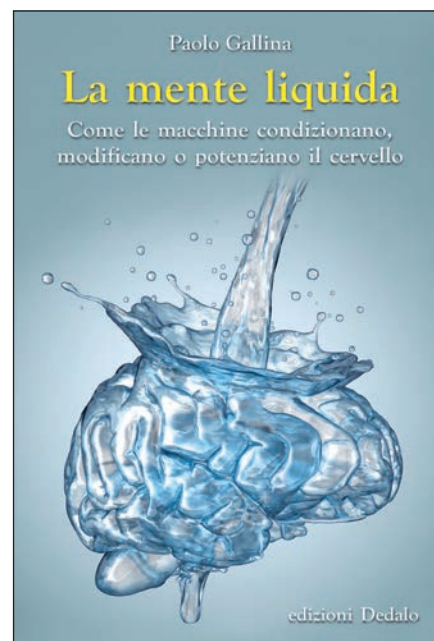
Is it true that technology can modify our brain? And how? Our mind is always connected to technology and machines, but we are usually not aware of the neurological changes that this involves in us.

The book

There is something known as “neuroplasticity” in our mind: it means that our brain has the ability to adapt and (physically) change as a result of experience. It also means that if we interact with a machine many times, this fact will change our brain (even in a permanent way). This is not necessarily a bad thing, but it’s something we have to be aware of. An example? Nowadays students can’t do mental calculation like their parents could, because they are accustomed to calculators. In spite of this, their minds can concentrate on other things, and the difficulty of calculation is much higher today rather than 50 years ago. We endure the action of technology, but we can use this interaction for our purposes. The Anti-Hedonistic Machines, for example, are machines developed in order to help people doing something: timed cigarette boxes prevent us from smoking, alcohol-testers connected to car starters prevent people from driving under the influence of alcohol, and so on.

The author

Paolo Gallina is professor of Robotics at the University of Trieste and is the author of several scientific works. His book *L’anima delle macchine* (*Machine’s soul*) has won the Galileo Award for Scientific Dissemination and the National Award for Scientific Literature.



TECHNOLOGY

Publication: March 2019

Pages: 296 - Size: 14 x 21, Black & white ill.



MATHEMATICS

Publication: June 2018

Pages: 240 - Size: 14 x 21, Black & white ill.

Dario Bressanini - Silvia Toniato

Luca Pacioli's mathematical games

Tricks, riddles and pastimes of the late 15th century

Did anyone break the eggs in your basket and you couldn't remember how many eggs were there? Is it possible to save both goat and cabbages? The answers to these and other curious questions are in an unpublished collection of games by Fra' Luca Pacioli, the greatest Italian mathematician of the 15th century.

The book

It's a foggy winter night and you'd like to relax with a group of your friends after a hard day's work. What to do? You could go to the closest shopping center provided with a multiplex and watch at the latest box office hit, but there's a problem: there are no cinemas in your town and, actually, there are no cinemas anywhere on Earth. No, you're not in a post-Third World War apocalyptic future. Your friends and you sit in a smoky tavern, warmed by the fireplace and dimly lit, in 1478, perhaps in Venice, perhaps in Perugia, or maybe in Milan. How to spend the evening then, with no television, novels or discos? You could play! The master's brigade has an inexhaustible series of «bolzoni» – games, tricks, riddles and pastimes – to propose. Fra' Luca knows well that the wonders of mathematics, through the games, conquer even the «uneducated people's hearts».

The author

Dario Bressanini teaches Chemistry and Physics at the University of Insubria. He is an excellent popularizer of scientific ideas and an editor of a monthly column for «Le Scienze». **Silvia Toniato**, philologist and specialist in historical mathematical texts, teaches at the Université de Savoie (Chambéry) and collaborates with CESCO at Poitiers.

Daniele Gouthier - Massimiliano Foschi

Hunting numbers

Riddles, problems and math games

The young “genius of numbers”, as all media has named him, who has won for two times the International Mathematical Olympiad in Paris, took up the challenge of a math writer and together they made it fun.

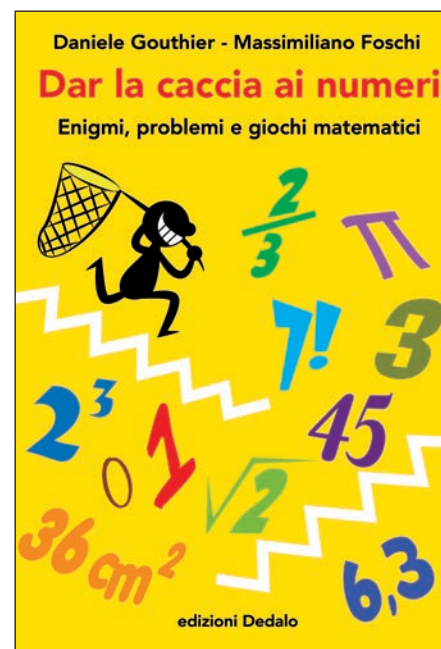
The book

This is a book full of little challenges, in which you have to solve puzzles and funny math games, using the rules of geometry, arithmetic, statistics and logic... The first problems are quite easy (for the youngest students), and then you will follow the increasing difficulty towards the end of the book, where only the most capable ones will be able to find the solutions. But, don't worry, in the second part of the book all the solutions are explained and exposed in a really simple way, so that everyone can understand them, even without a math background. Triangles, probabilities, numbers: the math will be a child's play!

The author

Daniele Gouthier is a mathematician and a science writer, who teaches Math Communication at SISSA (Trieste).

Massimiliano Foschi (born in 2003) has won the 2019 International Math Games Championship for the third time (he was first also in 2016 and 2017, and third in 2018). In 2019 he also won the Italian Math Olympiad and he was third at the Balkan Mathematical Olympiad.



MATHEMATICS

Publication: October 2017

Pages: 184 - Size: 14 x 21, Black & white ill.



MATHEMATICS

Publication: May 2019

Pages: 176 - Size: 14 x 21, Black & white ill.

Daniele Gouthier - Massimiliano Foschi

Mathematics for young minds

Riddles, problems and math games for “numbers’ hunters”

The second book written by the winner of the 2019 International Math Games Championship Massimiliano Foschi, with the mathematician and science writer Daniele Gouthier: a book for those who already like maths and games, but especially for those who actually hate maths and would like to learn it.

The book

After the editorial success of *Dar la caccia ai numeri* (Hunting numbers), here are 75 new funny problems about logic, geometry, numbers, triangles and statistics. You can start from the first simple ones at the beginning and challenge yourself towards the end of the book, increasing the difficulty (and the amusement). Even if you think that you are clumsy with numbers, you will discover that you can really solve the problems... and if you can't, you will find the solutions at the end of the book! So, give it a try!

The author

Daniele Gouthier is a mathematician and a science writer, who teaches Math Communication at SISSA (Trieste). He is also a writer, both of fiction and non-fiction.

Massimiliano Foschi (born in 2003) has won the 2019 International Math Games Championship for the third time (he was first also in 2016 and 2017, and third in 2018). In 2019 he also won the Italian Math Olympiad and he was third at the Balkan Mathematical Olympiad.

Maurizio Codogno

Call me Pi

A biography of the most famous number in mathematics

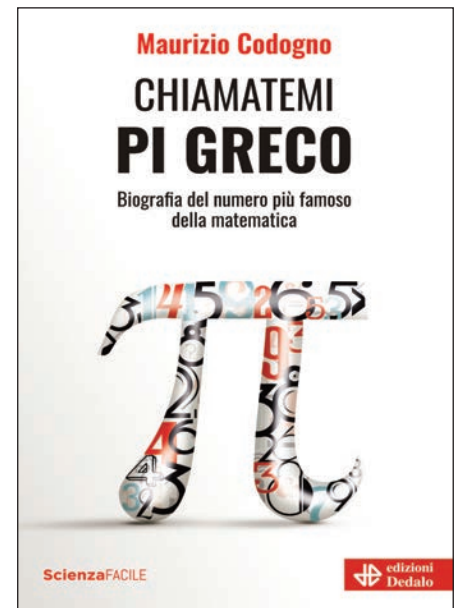
The history of mathematics told through one of its most bizarre protagonists, from Ancient Greece to nowadays.

The book

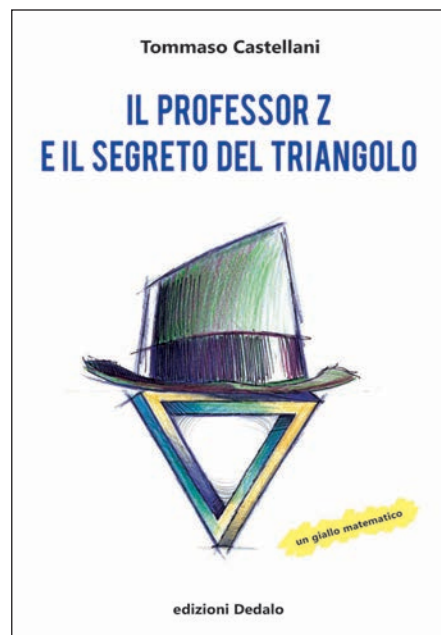
Pi is one of the first mysteries we come across while studying mathematics. It's a number, but it's called with a letter; it is said to be 3.14 yet no one knows exactly its true value; it is born together with the circumference, but it appears in the most unexpected places. This book tells his story, which is intertwined with the history of mathematics: the greatest mathematicians of all time have tried (often in vain) to calculate it and competed to find more and more digits after the decimal point. We will discover that pi is a real protagonist not only of mathematics, but even of our lives.

The author

Graduated in mathematics and computer science, **Maurizio Codogno** has written numerous popular books. One of Wikipedia's longest-standing contributors, he is a founding member and spokesperson for Wikimedia Italia. His blog on *The Post* is one of the most followed.



**HISTORY OF SCIENCE -
MATHEMATICS**
Publication: February 2022
Pages: 160 - Size: 14 x 21 - Black & white ill.



Tommaso Castellani

Professor Z and the triangle's secret

A mathematical thriller

The third volume of the successful trilogy with Giulio and his professor Z: adolescent problems here collide with the great themes of mathematics, in a beautiful story halfway between a thriller and a Bildungsroman.

The book

On the threshold of adolescence, the cornerstones of Giulio's life are no longer as solid as he believed. His body changes, his desires evolve. How to deal with such a big change? In his world of school, football matches, long journeys on the buses of Rome, Giulio goes in search of new experiences, between enthusiasm and fear, great achievements and bitter disappointments. And thanks to Professor Z he discovers that even in mathematics the first principles can change and new incredible geometric worlds are born before our eyes.

The author

Tommaso Castellani has a PhD in theoretical physics from Sapienza University of Rome. He has been for three years a researcher at the National Research Council of Italy. He has always worked with all sort of schools, until he has decided to become a full-time teacher. He is the author of popular science books and is a science writer for *Sapere*, the oldest Italian popular science magazine.

MATHEMATICS - FICTION

Publication: April 2022

Pages: 192 - Size: 13 x 20

Edoardo Boncinelli

I have not enough time to explain what time is

Since lockdown our perception of time has changed: for someone it goes slower, for others faster. But what is time? In which direction does it flow, if it “flows”? Boncinelli’s explorations range from philosophy to physics, and to consciousness, in order to explore this mysterious yet fundamental element that shapes every moment of our lives.

The book

What is time? Looking for an answer to this question may lead to other eye-opening discoveries. Is time linear? Why it seems to have a unique direction? Does it have a starting point? Will it end? Boncinelli analyses many facets of this concept, ranging from physics, to philosophy and biology. He elaborates these aspects in his brilliant and skillful way.

The author

World-class physicist and geneticist **Edoardo Boncinelli** is not only a highly revered professor and researcher, he is also a master communicator.



PHILOSOPHY

Publication: September 2021

Pages: 96 - Size: 13 x 18



Ottavio Davini

The illusory medicine

Since the pandemic, all the problems between politics and healthcare come back to light vehemently, leading to a deep confusion about what is true and what is not. Ottavio Davini analyses sharply the causes of the increasing distrust in official medicine.

The book

The pandemic shed light on our difficulties to understand science and its complexity. A confusing communication and the contradictory voices on social media led to mistrust and perplexity. Davini shows how to learn to live with inevitable doubts, and how not to be at the mercy of instincts, in order to believe in real medicine, not in illusions.

The author

Ottavio Davini is a radiologist, head doctor and has been Chief Medical Officer of Molinette in Turin for five years. He’s the author of various books and publications.

MEDICINE

Publication: September 2021

Pages: 96 - Size: 13 x 18

Andrea Vignali – Raffaele Marco Della Monica

Bit Economy

The great bet of cryptocurrencies between freedom and speculation

Bit Economy guides us in the world of cryptocurrencies, between anonymous creators and homemade mines, colossal bankruptcies, new financial markets and international frauds.

The book

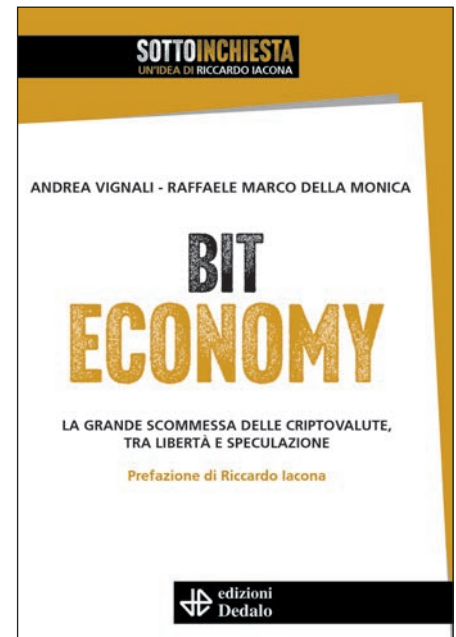
Since it was invented, in 2008, as a response to the financial crisis that destroyed the world economy, the bitcoin has reached a value of 69,000 dollars and another 20,000 cryptocurrencies have been born. But in November 2022 FTX, one of the largest cryptocurrency “banks” in the world, went bankrupt, with losses exceeding 10 billion. What are the consequences for the crypto-world?

Over the years, cryptocurrencies have conquered the art, sport and fashion markets, and have even become the official currency of a nation, El Salvador. An entire economy that the crisis of November 2022 seriously endangered. Is this the end of the new Bit Economy or just the beginning of a new cycle for digital coins?

The author

Andrea Vignali is a freelance reporter and documentary maker. He has collaborated with many Tv programs and since 2013 he has been making reports for *Presa Diretta*.

Raffaele Marco Della Monica is a journalist and has been working for Rai since 2014, collaborating with many Tv programs. Since 2016 he has been producing reports for *Presa Diretta* on topics such as digital privacy, organized crime and cryptocurrencies.



CRYPTO - INVESTIGATIVE JOURNALISM

Publication: November 2022

Pages: 176 - Size: 14 x 21



MANAGEMENT

Publication: September 2022

Pages: 96 - Size: 13 x 18

Luciano Attolico

Management in the age of uncertainty

How can we deal with the changes in this age of uncertainties? Attolico shows us how the courage to “experiment” helps us to achieve the well-being and wealth we seek.

The book

We live in an era of uncertainties: everything around us moves unpredictably, with extreme speed. In these liquid times, the courage to experiment can be the winning card that turns failures into opportunities. Instead of trying to resist to the changes, it is necessary to adopt innovative strategies to deal with them and achieve the well-being we seek in life and in work.

The author

Luciano Attolico, CEO and founder of Lenovys, is a successful entrepreneur and creator of the Lean Lifestyle method, which helps companies become more agile and productive. He is considered one of the leading experts in high impact innovation. Author of many bestsellers, in 2019 he published *Lean Development and Innovation* in English, becoming the only Italian author on this topic to also be published in the United States.

Giuseppe Mussardo - Gaspare Polizzi

Heaven and Earth

Travelling with Dante Alighieri and Marco Polo

700 years after Dante's death, here is a book that intertwines the voice of the great poet with that of an exceptional contemporary, Marco Polo. Two giant figures of the world literature of all times whose fame relies on the charm and seduction of their stories.

The book

Heaven and Earth is a book that combines the unforgettable characters of *The Divine Comedy* with those of *The Travels of Marco Polo*, the dreadful darkness of the infernal landscapes with the vast immensity of the Asian deserts, the richness of the Mongol empire with the glamour of medieval philosophy, the aspirations and dreams of two great travellers and explorers with the science of their time: astronomy, geography and cosmology. A book for high school students, for scholars of the history of science and the history of ideas, for all the curious and passionate readers who want to know more about Dante Alighieri and Marco Polo, and their spasmodic curiosity for knowledge.

The author

Giuseppe Mussardo is full professor of Theoretical Physics at SISSA. Author of several articles on history of science and documentary movies, he has been awarded the 2013 Prize of Società Italiana di Fisica for Science Dissemination. His previous book *The ABC's of Science* (L'alfabeto della scienza) has been translated by Springer.

Gaspare Polizzi is professor of Social Pedagogy at the University of Pisa and has written many books. He studies the relation between art and science, and the history of scientific and philosophical thinking.



LITERATURE

Publication: June 2021

Pages: 272 - Size: 14 x 21, Black & white ill.



Emanuele Arciuli

The beauty of the new music

"Contemporary classical music" may seem a contradiction. Instead, it is a genre full of surprises and beauty, inspiring lots of compositions in every part of the world.

The book

We used to think that "classical" music was the past, now grown old and obsolete. But this is false. Nowadays the number of classical musicians is huge and they write and play a music which is modern, original and innovative. This new music is a challenge for the public and for the "old school", but it is certainly something to explore, to understand and appreciate. Arciuli gives us the key to this wonderful world: even the less passionate would be touched by this new melody.

The author

The pianist **Emanuele Arciuli** is one of the most original and interesting performers on today's classical music scene and he regularly performs at major concert halls and festivals. He teaches Contemporary Music at Accademia di Pinerolo, is a professor at the Conservatory in Bari and a frequent guest professor at many American universities.

MUSIC

Publication: October 2020

Pages: 80 - Size: 13 x 18

Franco Cardini

Turkey: yesterday, today and tomorrow

How was it possible for Turkey to become so influential? What are Erdogan's aims for the future? How is Erdogan changing the balance of power in Europe and USA?

The book

One of the most important Italian historian explains the history of Turkey, from the Ottoman empire to the Armenian genocide, from Mustafa Kemal to nowadays, highlighting the most striking aspects that led to the current situation. A book to study the past, explain the present and foresee the future.

The author

Franco Cardini is an Italian historian and professor of Medieval History at the University of Florence. His studies are famous in all the world and he has written various books translated in lots of languages.



POLITICS

Publication: May 2021

Pages: 96 - Size: 13 x 18



Luciano Canfora

Europe, an enchained giant

As a result of the pandemic, Europe has to face various problems. Frequently, it appears split, full of conflicts and submissive. But what are the real problems in European Union? What is the fate of this coalition??

The book

European Union is in a state of crisis. But can EU be saved? This book highlights the economic, political and cultural reasons at the foundation of this European crisis, dating back to the birth of EU. Only if Europe could break her own chains, it will be free from the American dominance and will become a real world power.

The author

Luciano Canfora is an Italian classicist and historian, professor of Classics at the University of Bari. His specialty is ancient libraries and his book *The Vanished Library* about Library of Alexandria has been translated into some 15 languages. He has written various books and is famous for his studies about philology, history and politics. Since 1975, he has edited the periodical *Quaderni di storia*.

POLITICS

Publication: July 2020

Pages: 80 - Size: 13 x 18

Federico Benuzzi

A journey into relativity

Relativity explained to children, with a beautiful story in which a father and his children travel on a train.

The book

A fun train ride is the opportunity for a physics professor to share the mysteries and the secrets of special relativity with his three children. Along the way, the funny twins Francesco and Nicola, and the youngest Anna, intelligent and curious, will discuss about interstellar travel, experiments with mirrors and clocks flying around the world. There are many references to superheroes, witty jokes and brilliant insights. The young readers will be fascinated by Einstein's theory and eager to learn more and more.

The author

Federico Benuzzi is a teacher, professional juggler and actor: he has merged all these souls into a dissemination process that has led him to perform on all the most important stages of the national scene and beyond (also in Switzerland, France, Russia and Tanzania). He has published many books and has almost 100 000 followers on TikTok for his physics outreach videos.



SCIENCE - PHYSICS

Publication: April 2023

Pages: 72 - Size: 13 x 19 - Colours ill.



MATHEMATICS

Publication: February 2023

Pages: 64 - Size: 13 x 19 - Colours ill.

Bruno Jannamorelli

The mystery of casting out nines

Math at play

Gianni and Claudia, like many children, think that mathematics is too difficult, but their grandfather Beppe will be able to change their mind: the two children will learn to have fun with simple operations, even with the multiplication tables.

The book

Beppe is a retired teacher and spends his time with friends in the mountains, but, in the afternoon, he takes care of his two grandchildren Gianni and Claudia. The two children are in primary school and, like many others, think that mathematics is too difficult. The grandfather manages to arouse their interest by offering mathematical games and ancient multiplication schemes, while his friend Gigi il Bersagliere explains the multiplication tables using his fingers. Even the mystery of the "casting out nines" for multiplication is revealed with patient grace by grandfather Beppe. Children will be amazed and will tell their friends what lies behind the most important mathematical rules.

The author

Bruno Jannamorelli has been a mathematics and physics teacher in high schools for over thirty years, and has been a contract professor of mathematics education at the University of L'Aquila since 2010. He is the author of several publications concerning the teaching and dissemination of mathematics.



Gian-Luca Baldi

In the fabulous world of music

What is the sound? What were the first musical instruments? And what are the strangest instruments? And the smallest? How and when is music born?

The book

Elisa is going to visit the local Conservatory with her school classmates and her teacher Sonia: she will discover how amazing is to play an instrument or to listen the orchestra playing Beethoven!

She used to think that music was boring and difficult, but she will find out that music carries a great deal of emotion, and can really make people happy!

Professor Luca will take her and her friends in a funny journey in the history of music and instruments, and they will learn a lot about ancient music, but also modern one.

MUSIC

Publication: April 2019

Pages: 80 - Size: 13,5 x 19, 2 color ill.

The author

Gian-Luca Baldi is a composer, a writer, and a Composition professor in Conservatory Agostino Steffani, in Castelfranco Veneto (Venice).



Rights sold to China

Fiction

Gianfranco D'Anna

The star mechanic

novel

The amazing autodidact Jost Bürgi was one of the most famous astronomers of the 16th century: in spite of the hostility of the authorities, scared by his lack of servility, he made some big results in astronomy and physics, that led to the astronomical revolution.

The book

This compelling novel is the real story of an unusual hero, a scientist who was shy but also single-minded, brilliant and free-standing.

Jost Bürgi (1552-1632) was born in Lichtensteig, a small Swiss village of around 400 inhabitants at that time. Although his humble origins and his autodidactic studies, he became a clockmaker, an inventor of many astronomical instruments, a mechanical engineer and a famous mathematician.

His life was studded with conflicts with the authorities, since at that time religion and magic were far more important than science, and the stars were seen as divine messengers and not as some physical entities. But Bürgi was a resolute scientist: his story can really teach how to stand for what you believe.

The author

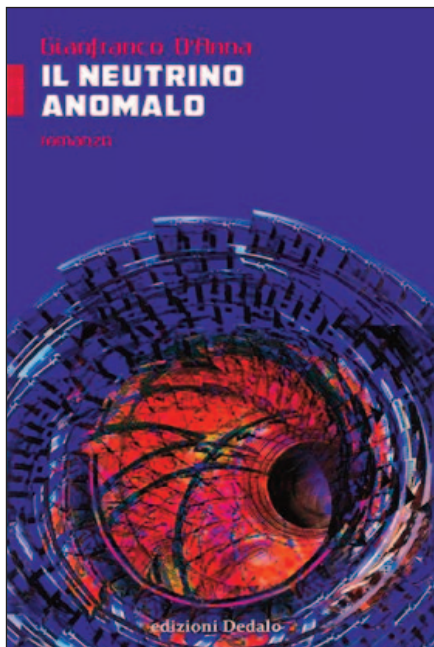
Gianfranco D'Anna is a physician, who actually divides his time between science, teaching and writing. His first novel, *Il falsario*, has been translated in 3 languages.



SCIENTIFIC FICTION

Publication: June 2019

Pages: 208 - Size: 13 x 21



Gianfranco D'Anna

The Anomalous Neutrino

novel

The shocking outcome of a particle physics experiment upsets the scientific community all around the world. Will the physicists be able to deal with all the turmoil and the ethic dilemmas that resulted from it?

The book

September 2011: the scientists of the project OPERA discover an anomaly in the speed of neutrinos, which is – apparently – higher than the speed of light! Such a news could create a complete revolution: it's the beginning of a new Physics... or is it just a flash in the pan, a mistake in the experimental process? You can find it out in this captivating novel, where a description "of the dynamics of the scientific academical field" combines with a reflection on the human nature.

SCIENTIFIC FICTION

Publication: July 2017

Pages: 160 - Size: 13 x 21

The author

Gianfranco D'Anna is a physician, who actually divides his time between science, teaching and writing. His first novel, *Il falsario*, has been translated in 3 languages.

Gianfranco D'Anna
The halved electron
 novel

In the first half of the twentieth century two brilliant scientists strongly compete for the solution of a great mystery: an infinitely small puzzle, yet with immeasurable impact.

The book

At Einstein's time, two extremely different scientists – the American Robert Andrews Millikan and the Austrian Felix Ehrenhaft – investigate the existence of a minuscule evanescent particle, never “seen” before: the electron.

Their story is about the most important concepts of physics (like matter and electricity), but also about the fundamental values of the scientific research (such as precision, impartiality and loyalty). Who was the first discoverer of the electron? Is the history of science really true? This book will answer to all these questions in a very fascinating and impressive narrative.

The author

Gianfranco D'Anna is a physician, who actually divides his time between science, teaching and writing. His first novel, *Il falsario*, has been translated in 3 languages.



SCIENTIFIC FICTION

Publication: May 2015

Pages: 232 - Size: 13 x 21