

## 15 Famous Indian Scientists And Their Inventions

Food Scientists the world over should keep abreast of advances in knowledge and techniques in this developing new food process. The place to start is with these three volumes, which are, without question, the most comprehensive and the most authoritative source of information on the basic science and technology yet published on food preservation by the application of ionizing radiation. This monograph offers a cultural history of the development of physics in India during the first half of the twentieth century, focusing on Indian physicists Satyendranath Bose (1894-1974), Chandrasekhara Venkata Raman (1888-1970) and Meghnad Saha (1893-1956). The analytical category "bhadralok physics" is introduced to explore how it became possible for a highly successful brand of modern science to develop in a country that was still under colonial domination. The term Bhadrlok refers to the then emerging group of native intelligentsia, who were identified by academic pursuits and manners. Exploring the forms of life of this social group allows a better understanding of the specific character of Indian modernity that, as exemplified by the work of bhadralok physicists, combined modern science with indigenous knowledge in an original program of scientific research. The three scientists achieved the most significant scientific

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successes in the new revolutionary field of quantum physics, with such internationally recognized accomplishments as the Saha ionization equation (1921), the famous Bose-Einstein statistics (1924), and the Raman Effect (1928), the latter discovery having led to the first ever Nobel Prize awarded to a scientist from Asia. This book analyzes the responses by Indian scientists to the radical concept of the light quantum, and their further development of this approach outside the purview of European authorities. The outlook of bhadralok physicists is characterized here as "cosmopolitan nationalism," which allows us to analyze how the group pursued modern science in conjunction with, and as an instrument of Indian national liberation.

The "War" in science is largely the discussion between those who believe that science is above criticism and those who do not. After the Science Wars is a collection of essays by leading philosophers and scientists, all attempting to bridge interdisciplinary gulfs in this discussion.

Keep your brain young, healthy, and sharp with this science-driven guide to protecting your mind from decline by neurosurgeon and CNN chief medical correspondent Dr. Sanjay Gupta. Throughout our life, we look for ways to keep our minds sharp and effortlessly productive. Now, globetrotting neurosurgeon Dr. Sanjay Gupta offers "the book all of us need, young and old" (Walter Isaacson,

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#1 New York Times bestselling author of *The Code Breaker*) with insights from top scientists all over the world, whose cutting-edge research can help you heighten and protect brain function and maintain cognitive health at any age. *Keep Sharp* debunks common myths about aging and mental decline, explores whether there's a "best" diet or exercise regimen for the brain, and explains whether it's healthier to play video games that test memory and processing speed, or to engage in more social interaction. Discover what we can learn from "super-brained" people who are in their eighties and nineties with no signs of slowing down—and whether there are truly any benefits to drugs, supplements, and vitamins. Dr. Gupta also addresses brain disease, particularly Alzheimer's, answers all your questions about the signs and symptoms, and shows how to ward against it and stay healthy while caring for a partner in cognitive decline. He likewise provides you with a personalized twelve-week program featuring practical strategies to strengthen your brain every day. *Keep Sharp* is the "must-read owner's manual" (Arianna Huffington) you'll need to keep your brain young and healthy regardless of your age!

Main author Ravi S. Iyer created the [eklavyasai.blogspot.com](http://eklavyasai.blogspot.com) blog and used it from September 2011 to play a part-time, peaceful and amicable, Indian Computer Science (CS) and Information Technology (IT) academic reform,

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Internet-based activist role. His focus was on improving the practice of software development in Indian CS & IT academia. But he thought that it is such a vital part of the CS & IT field and that it is so poor in many parts of Indian CS & IT academia, that he referred to his efforts as Indian CS & IT academic reform activism. Other contributors to the blog have given their views on certain topics. Main work period has been from 2011 to 2014 with a little work later, off & on. The main author is no longer active in this area. This book is aimed at helping other activists involved in improving the practice of software development in Indian CS and IT academia to get the views of the blog in a convenient form. The book may also be of interest to similar activists in other countries. About the author: Main author Ravi S. Iyer is a Physics graduate from Ruia college, University of Bombay (Mumbai) who was industry trained and later self-taught in software development. He worked in the international software industry (US, Europe, Japan, South Korea, India etc.) developing systems as well as applications software (CS & IT) for over 18 years after which he retired from commercial work. Later, mainly as a "visiting faculty", he offered free service of teaching programming courses (lab. courses) and being a "technical consultant" for student projects in a Maths & Computer Science department of a deemed university in India for 9 years.

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The present age is the age of competition. One has to face challenges in every walk of life. Students of the present era are expected to possess sufficient information relating to various fields of knowledge. Children who lack general knowledge are sure to lag behind even if they are, otherwise, competent. CURRENT GENERAL KNOWLEDGE, a series of books has been prepared keeping this fact in view. The books are prepared in such a way which is sure to teach the learners what they ought to know at each level of their schooling. The materials for various units of these books are judiciously chosen from encyclopedia, year books and textbooks on a variety of subjects. We are sure that the books will surely encourage the learners to know more about the outside world and impart useful knowledge and information necessary for their bright career. ANSWERS OF THE EXERCISES FROM THE BOOK IS ALSO GIVEN.... A series in general knowledge books. The ebook version does not contain CD. Orient Longman'S Ahead Series Of School Textbooks Command Tremendous Respect Among Teachers And Students Because Of Their Emphasis On:- Concept Formation Rather Than On Merely Providing Information.- Up-To-Date Knowledge And Stimulation Of The Thinking Process.- Relevance And Practical Applications- Teacher- And Student-Friendly Text Through Attractive Page Layout, Very Simple Language And Simplified Illustrations.

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Indian culture and spiritualism have exerted a strong hold over the world's greatest intellectuals—from psychologists like Carl Jung to poets like T.S. Eliot, from orators like Swami Vivekananda to philosophers like Sri Aurobindo, from statesmen like Dr A.P.J. Abdul Kalam to writers like H.G. Wells. Compiled by Salil Gewali, *Great Minds on India* is a remarkable collection of the thoughts and views of these world-renowned opinion-makers on India's cultural inheritance and glorious legacy.

This book highlights the role of emotions in the contentious politics of modern South Asia. It brings new methodological, theoretical and empirical insights to the mutual constitution of emotions and mobilisations in India, Pakistan and Bangladesh. As such, it addresses three distinct but related questions: what do emotions do to mobilisations? What do mobilisations do to emotions? Further, what does studying emotions in mobilisations reveal about the political culture of protest in South Asia? The chapters in this volume emphasise that emotions are significant in politics because they have the power to mobilise. They explore a variety of emotions including anger, resentment, humiliation, hurt, despair, and nostalgia, and also enchantment, humour, pleasure, hope and enthusiasm. The interdisciplinary research presented here shows that integrating emotions improves our understanding of South Asian politics while, conversely, focusing

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on South Asia helps retool current thinking on the emotional dynamics of political mobilisations. The book offers contextual analyses of how emotions are publicly represented, expressed and felt, thus shedding light on the complex nature of protests, power relations, identity politics, and the political culture of South Asia. This cutting-edge research volume intersects South Asian studies, emotion studies and social movement studies, and will greatly interest scholars and students of political science, anthropology, sociology, history and cultural studies, and the informed general reader interested in South Asian politics.

The Book Is About Western Science In A Colonial World. It Asks: How Do We Understand The Transfer And Absorption Of Scientific Knowledge Across Diverse Cultures, From One Society To Another? This Monograph Will Interest Scientists, Historians And Sociologists, As Well As Students Of Imperialism And The History Of Ideas.

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India is frequently represented as the quintessential land of religion. Johannes Quack challenges this representation through an examination of the contemporary Indian rationalist organizations: groups who affirm the values and attitudes of atheism, humanism, or free-thinking. Quack shows the rationalists' emphasis on maintaining links to atheism and materialism in ancient India and

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outlines their strong ties to the intellectual currents of modern European history. At the heart of *Disenchanted India* is an ethnographic study of the organization "Andhashraddha Nirmulan Samiti" (Organization for the Eradication of Superstition), based in the Indian State of Maharashtra. Quack gives a nuanced account of the Organization's specific "mode of unbelief." He describes the group's efforts to encourage a scientific temper and to combat beliefs and practices that it regards as superstitious. Quack also shows the role played by rationalism in the day-to-day lives of the Organization's members, as well as the Organization's controversial position within Indian society. *Disenchanted India* contributes crucial insight into the nature of rationalism in the intellectual life and cultural politics of India.

There are fewer grounds today than in the past to deplore a North-South divide in research and innovation. This is one of the key findings of the UNESCO Science Report: towards 2030. A large number of countries are now incorporating science, technology and innovation in their national development agenda, in order to make their economies less reliant on raw materials and more rooted in knowledge. Most research and development (R&D) is taking place in high-income countries, but innovation of some kind is now occurring across the full spectrum of income levels according to the first survey of manufacturing



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companies in 65 countries conducted by the UNESCO Institute for Statistics and summarized in this report. For many lower-income countries, sustainable development has become an integral part of their national development plans for the next 10–20 years. Among higher-income countries, a firm commitment to sustainable development is often coupled with the desire to maintain competitiveness in global markets that are increasingly leaning towards ‘green’ technologies. The quest for clean energy and greater energy efficiency now figures among the research priorities of numerous countries. Written by more than 50 experts who are each covering the country or region from which they hail, the UNESCO Science Report: towards 2030 provides more country-level information than ever before. The trends and developments in science, technology and innovation policy and governance between 2009 and mid-2015 described here provide essential baseline information on the concerns and priorities of countries that could orient the implementation and drive the assessment of the 2030 Agenda for Sustainable Development in the years to come.

Philosophical and Sociological Principles of Education examines the ideologies of eminent Eastern and Western educators and focuses on the history of various schools of thought, the role of education in Indian society, and how it leads to

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national integration and international understanding.

"The theory of black holes is the most simple consequence of Einstein's relativity theory. Dealing with relativity theory, this book details one of the most beautiful areas of mathematical physics; the theory of black holes. It represents a personal testament to the work of the author, who spent several years working-out the subject matter."--WorldCat.

The book, 71 Famous Scientists is an addition to the exclusive '71 Series', which includes a number of books, such as 71 Science Experiments, 71+10 New Science Projects, 71 + 10 New Science Projects Junior, 71+10 New Science Activities, 71+10 Magic Tricks for Children, etc. published by V&S Publishers and widely appreciated by our esteemed readers. It contains 71 world-renowned Scientists from across the globe, their brief life histories, contributions to the Scientific World including the books, journals and magazines that they have published, Awards and Honours received by them and any significant happenings that have changed the course of our lives. The book includes prominent names like, Albert Einstein, Alessandro Volta, Alexander Fleming, Alexander Graham Bell, Alfred Nobel, Avogadro, Anders Celsius, Andre Marie Ampere, Antonie van Leeuwenhoek and many such notable personalities. The book has been written especially for the school students of the age group, 10-18

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years, but can be read by readers of all ages, who love Science and its amazing and fascinating World of outstanding Inventions and Discoveries that have transformed the human society and our existence! So Dear Readers, grab the book at the earliest for it will educate and interest one and all! #v&spublishers

How did Dhirubhai Ambani build a polyester plant in record time? What made JRD Tata launch India's first airline? How did Vijay Mallya wrest control of Shaw Wallace from Manu Chhabria? Why did Bhai Mohan Singh fall out with his favourite son and lose control of Ranbaxy? The Portfolio Book of Great Indian Business Stories contains excerpts from a selection of the finest business books published by Penguin Portfolio. This anthology features snippets from the lives of some of the most eminent business leaders India has seen—M.S. Oberoi, Ratan Tata, Aditya Birla and Rahul Bajaj, among others. There are tales of outstanding successes, crushing failures, extraordinary challenges and relentless determination, some of which chronicle the times when these legends were just simple businessmen trying to make a mark. The grit and ruthless persistence of these men defined who they were and the legacies they left behind.

Following the end of the Cold War, the economic reforms in the early 1990s, and ensuing impressive growth rates, India has emerged as a leading voice in global affairs, particularly on international economic issues. Its domestic market is fast-

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growing and India is becoming increasingly important to global geo-strategic calculations, at a time when it has been outperforming many other growing economies, and is the only Asian country with the heft to counterbalance China. Indeed, so much is India defined internationally by its economic performance (and challenges) that other dimensions of its internal situation, notably relevant to security, and of its foreign policy have been relatively neglected in the existing literature. This handbook presents an innovative, high profile volume, providing an authoritative and accessible examination and critique of Indian foreign policy. The handbook brings together essays from a global team of leading experts in the field to provide a comprehensive study of the various dimensions of Indian foreign policy.

In 1150 AD, Bhaskaracarya (b. 1114 AD), renowned mathematician and astronomer of Vedic tradition composed Lilavati as the first part of his larger work called Siddhanta Siromani, a comprehensive exposition of arithmetic, algebra, geometry, mensuration, number theory and related topics. Lilavati has been used as a standard textbook for about 800 years. This lucid, scholarly and literary presentation has been translated into several languages of the world.

Bhaskaracarya himself never gave any derivations of his formulae. N.H. Phadke (1902-1973) worked hard to construct proofs of several mathematical methods

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and formulae given in original Lilavati. The present work is an enlargement of his Marathi work and attempts a thorough mathematical explanation of definitions, formulae, short cuts and methodology as intended by Bhaskara. Stitches are followed by literal translations so that the reader can enjoy and appreciate the beauty of accurate and musical presentation in Lilavati. The book is useful to school going children, sophomores, teachers, scholars, historians and those working for cause of mathematics.

Sociology of Science and Technology in India, is a collection of 12 articles in Sociology of Science and Technology (SST). It throws light on the major themes of SST, such as, role of science (theoretical), scientific community in India, productivity patterns in Indian Science and Technology (S&T) research, and S&T unleashing social change in India.

A layman's guide to India in a 90 minute read

The present age is the age of competition. One has to face challenges in every walk of life. Students of the present era are expected to possess sufficient information relating to various fields of knowledge. Children who lack general knowledge are sure to lag behind even if they are, otherwise, competent. CURRENT GENERAL KNOWLEDGE, a series of books has been prepared keeping this fact in view. The books are prepared in such a way which is sure to teach the learners what they ought to know at each level of their schooling. The materials for various units of these books are judiciously chosen from encyclopedia, year books and textbooks

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on a variety of subjects. We are sure that the books will surely encourage the learners to know more about the outside world and impart useful knowledge and information necessary for their bright career. The present age is the age of competition. One has to face challenges in every walk of life. Students of the present era are expected to possess sufficient information relating to various fields of knowledge. Children who lack general knowledge are sure to lag behind even if they are, otherwise, competent. CURRENT GENERAL KNOWLEDGE, a series of books has been prepared keeping this fact in view. The books are prepared in such a way which is sure to teach the learners what they ought to know at each level of their schooling. The materials for various units of these books are judiciously chosen from encyclopedia, year books and textbooks on a variety of subjects. We are sure that the books will surely encourage the learners to know more about the outside world and impart useful knowledge and information necessary for their bright career. The present age is the age of competition. One has to face challenges in every walk of life. Students of the present era are expected to possess sufficient information relating to various fields of knowledge. Children who lack general knowledge are sure to lag behind even if they are, otherwise, competent. CURRENT GENERAL KNOWLEDGE, a series of books has been prepared keeping this fact in view. The books are prepared in such a way which is sure to teach the learners what they ought to know at each level of their schooling. The materials for various units of these books are judiciously chosen from encyclopedia, year books and textbooks on a variety of subjects. We are sure that the books will surely encourage the learners to know more about the outside world and impart useful knowledge and information necessary for their bright career. ANSWERS OF THE EXERCISES FROM THE BOOK IS ALSO GIVEN...

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What is it that we as a nation are missing? Why, given all our skills, resources and talents, do we settle so often for the ordinary instead of striving to be the best? At the heart of Ignited Minds is an irresistible premise: that people do have the power, through hard work, to realize their dream of a truly good life. Kalam's vision document of aspiration and hope motivates us to unleash the dormant energy within India and guide the country to greatness.

Do scientists see conflict between science and faith? Which cultural factors shape the attitudes of scientists toward religion? Can scientists help show us a way to build collaboration between scientific and religious communities, if such collaborations are even possible? To answer these questions and more, the authors of *Secularity and Science: What Scientists Around the World Really Think About Religion* completed the most comprehensive international study of scientists' attitudes toward religion ever undertaken, surveying more than 20,000 scientists and conducting in-depth interviews with over 600 of them. From this wealth of data, the authors extract the real story of the relationship between science and religion in the lives of scientists around the world. The book makes four key claims: there are more religious scientists than we might think; religion and science overlap in scientific work; scientists - even atheist scientists - see spirituality in science; and finally, the idea that religion and science must conflict is primarily an invention of the West. Throughout, the book couples nationally representative survey data with captivating stories of individual scientists, whose experiences highlight these important themes in the data. *Secularity and Science* leaves inaccurate assumptions about science and religion behind, offering a new, more nuanced understanding of how science and religion interact and how they can be integrated for the common good.

This work has been selected by scholars as being culturally important and is part of the

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knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Is Shah Rukh Khan an effective actor? Is Naresh Trehan an effective doctor? Was A.P.J. Abdul Kalam an effective nation builder? Are you an effective person? In this book, bestselling author T.V. Rao studies and analyses effective doctors, actors, civil servants, social workers, educationists, nation builders and entrepreneurs. Some of them seem to go beyond the tenets of effectiveness and shine out as what the author calls Very Effective People and Super Effective People. His diverse examples and cases range from A.P.J. Abdul Kalam, Devi Shetty, Anil Gupta to Kangana Ranaut, Sachin Tendulkar, Anupam Kher—to ordinary people whose lives are no less effective. Hugely readable, with self-assessment tools at the end of each chapter, *Effective People* will propel you to leap forward and discover the best in you. *Competition Science Vision* (monthly magazine) is published by Pratiyogita Darpan Group in India and is one of the best Science monthly magazines available for medical entrance examination students in India. Well-qualified professionals of Physics, Chemistry, Zoology and Botany make contributions to this magazine and craft it with focus on providing complete and



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to-the-point study material for aspiring candidates. The magazine covers General Knowledge, Science and Technology news, Interviews of toppers of examinations, study material of Physics, Chemistry, Zoology and Botany with model papers, reasoning test questions, facts, quiz contest, general awareness and mental ability test in every monthly issue.

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CURRENT GENERAL KNOWLEDGE, a series of books has been prepared keeping this fact in view. The books are prepared in such a way which is sure to teach the learners what they ought to know at each level of their schooling. The materials for various units of these books are judiciously chosen from encyclopedia, year books and textbooks on a variety of subjects. We are sure that the books will surely encourage the learners to know more about the outside world and impart useful knowledge and information necessary for their bright career. ANSWERS OF THE EXERCISES FROM THE BOOK IS ALSO GIVEN.....

This book includes 58 selected articles that highlight the major contributions of Professor Radha Charan Gupta—a doyen of history of mathematics—written on a variety of important topics pertaining to mathematics and astronomy in India. It is

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divided into ten parts. Part I presents three articles offering an overview of Professor Gupta's oeuvre. The four articles in Part II convey the importance of studies in the history of mathematics. Parts III–VII constituting 33 articles, feature a number of articles on a variety of topics, such as geometry, trigonometry, algebra, combinatorics and spherical trigonometry, which not only reveal the breadth and depth of Professor Gupta's work, but also highlight his deep commitment to the promotion of studies in the history of mathematics. The ten articles of part VIII, present interesting bibliographical sketches of a few veteran historians of mathematics and astronomy in India. Part IX examines the dissemination of mathematical knowledge across different civilisations. The last part presents an up-to-date bibliography of Gupta's work. It also includes a tribute to him in Sanskrit composed in eight verses.

The Indian Listener (fortnightly programme journal of AIR in English) published by The Indian State Broadcasting Service, Bombay, started on 22 December, 1935 and was the successor to the Indian Radio Times in English, which was published beginning in July 16 of 1927. From 22 August, 1937 onwards, it was published by All India Radio, New Delhi. In 1950, it was turned into a weekly journal. Later, The Indian listener became "Akashvani" in January 5, 1958. It was made a fortnightly again on July 1, 1983. It used to serve the listener as a

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bradshaw of broadcasting ,and give listener the useful information in an interesting manner about programmes,who writes them,take part in them and produce them along with photographs of performing artists. It also contains the information of major changes in the policy and service of the organisation. NAME OF THE JOURNAL: The Indian Listener LANGUAGE OF THE JOURNAL: English DATE,MONTH & YEAR OF PUBLICATION: 22-03-1946 PERIODICITY OF THE JOURNAL: Fortnightly NUMBER OF PAGES: 96 VOLUME NUMBER: Vol. XI, No. 7 BROADCAST PROGRAMME SCHEDULE PUBLISHED(PAGE NOS): 14-17, 19-21, 31-90 ARTICLE: 1. War Against Disease 2. The Land Of Religion 3. Those Sun-Spots! 4. Joad And The Classics 5. Our Food AUTHOR: 1. Sir Joseph Bhore 2. A.J. Hopkinson 3. Prof. T.P. Navanita Krishnan 4. Jean Stewart 5. Dr. K.P. Basu KEYWORDS: 1. Public health, Modern medicine, Doctor, Disease, Environmental hygiene, Community health 2. Tibetan Government, Dalai Lama, Tibetan Goodwill Mission, Lhasa 3. Sun-spots, Sir William Herchel, Galileo, Telescope 4. Jude The Obscure, The Bookmark, r. C.E.M. Joad 5. Nutrition, Bajra, Jowar, Diet, Health Document ID: INL-1945-46(D-J) Vol-I (07)

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