



The Alphabet of the Elementary Microbiology: Revisited

Shailly Anand¹ · Sukanya Lal² · Utkarsh Sood³ · Vipin Gupta⁴ · Gauri Garg Dhingra⁵ · Renu Solanki¹ · Jasvinder Kaur⁶ · Roshan Kumar⁷ · Anjali Saxena⁸ · Ankita Dua⁹ · Charu Tripathi¹⁰ · Chandni Talwar¹¹ · Charu Dogra Rawat² · Harpreet Kaur¹¹ · Helianthous Verma² · Jaspreet Kaur¹² · Mansi Verma¹³ · Mona Singh¹⁴ · Princy Hira¹² · Nirjara Singhvi¹⁵ · Nitish Kumar Mahato¹ · Om Prakash¹⁶ · Jaya Malhotra¹⁷ · Rup Lal³ · Vipin Chandra Kalia¹⁸

Published online: 6 October 2021

© Association of Microbiologists of India 2021

Organizations across the Globe support The Right to Education programs [1, 2]. The best stage to start learning is childhood. Child populations in the age groups 0–4 and 5–11 constitute around 46% of the children under 18 [3]. Approximately 1 billion children attend school on any given day around the world [2]. The urge to learn is a slow process. However, the scenario seems to have changed dramatically since the beginning of the Covid pandemic. The desire to learn has never been greater than that

recorded in the case of Corona. Scientists, medical practitioners, and officials of WHO, Governments, Health Departments have been responding rapidly to learn more and advise the public. There has been a global agreement to share information on Covid-19 and “Whoever finds the Vaccine must share it” [4]. It may not be an over-exaggeration to state all school kids have learned that C stands for Corona. Teaching Microbiology and Biotechnology in schools and colleges has been initiated [5]. Keeping in

✉ Rup Lal
ruplal@gmail.com

✉ Vipin Chandra Kalia
vckaliaku@gmail.com

¹ Department of Zoology, Deen Dayal Upadhyaya College (University of Delhi), Dwarka, New Delhi 110 078, India

² Department of Zoology, Ramjas College (University of Delhi), Delhi 110 007, India

³ The Energy & Resources Institute (TERI), New Delhi 110 003, India

⁴ Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi 110 003, India

⁵ Department of Zoology, Kirori Mal College (University of Delhi), Delhi 110 007, India

⁶ Department of Zoology, Gargi College (University of Delhi), New Delhi 110 049, India

⁷ Post-Graduate Department of Zoology, Magadh University, Bodh Gaya, Bihar 824 234, India

⁸ Department of Zoology, Bhaskaracharya College of Applied Sciences (University of Delhi), Dwarka, New Delhi 110 075, India

⁹ Department of Zoology, Shivaji College (University of Delhi), Raja Garden, New Delhi 110 027, India

¹⁰ Department of Zoology, CMP College, University of Allahabad, Prayagraj, Uttar Pradesh 211 002, India

¹¹ Department of Zoology, University of Delhi, University Enclave, Delhi 110 007, India

¹² Department of Zoology, Maitreyi College (University of Delhi), Bapudham Complex, Chanakyapuri, New Delhi 110 021, India

¹³ Department of Zoology, Sri Venkateswara College (University of Delhi), Dhaura Kuan, New Delhi 110 021, India

¹⁴ Special Centre for Molecular Medicine, Jawaharlal Nehru University, New Delhi 110 067, India

¹⁵ PhiXgen Pvt. Ltd, Gurugram, Haryana 122 001, India

¹⁶ National Centre for Microbial Resource (NCMR), National Centre for Cell Science (NCCS), Pune, Maharashtra 411 007, India

¹⁷ Department of Zoology, Hansraj College (University of Delhi), Delhi 110 007, India

¹⁸ Department of Chemical Engineering, Konkuk University, 1 Hwayang-Dong, Gwangjin-Gu, Seoul 05029, Republic of Korea