



A Quarterly Research Journal of Phytonanotechnology and Pharmaceutical Sciences

Volume 6, Number 1, January - March 2026

[Table of Contents](#)

DOI: <http://dx.doi.org/10.54085/jpps.2026.6.1>

Review article

1. **Role of banana in maintaining human health with special emphasis on gut health**

Md. Hasheem Khan, Aamir Imam, Ijlal Husain, Khushi Mishra, Badruddeen, Mohammad Irfan Khan, Juber Akhtar, Mahboobus Salam and Mohammad Ahmad

DOI: <http://dx.doi.org/10.54085/jpps.2026.6.1.1>

[Views / Downloads / Citations](#)

11. **Phytonanotechnology in potato (*Solanum tuberosum* L.): Advances in tuber yield, nutrient use efficiency and stress tolerance**

M. Kabilan, K. Sundharaiya, T. Anitha, M. Jayakumar and Adnan A. Khan

DOI: <http://dx.doi.org/10.54085/jpps.2026.6.1.2>

[Views / Downloads / Citations](#)

21. **Microgreens: Emerging phytochemical powerhouses for chronic disease management**

S. J. Imamsaheb, D. Sreedhar and K. H. Yashavantakumar

DOI: <http://dx.doi.org/10.54085/jpps.2026.6.1.3>

[Views / Downloads / Citations](#)

29. **Stem-derived phytochemicals as broad-spectrum antibacterial agents: Evidence, mechanisms, and future directions**

Fatima Umaira Saeed, Patolla Sruthi, Misha Siddiqui, Pobala Krishna Sai Lasya and Mala Pooja

DOI: <http://dx.doi.org/10.54085/jpps.2026.6.1.4>

[Views / Downloads / Citations](#)

Original article

38. **Improved glycemic control and pancreatic antioxidant protection with biochanin-A and metformin in experimental diabetes**

Rukhsar Anwar, Badruddeen, Anas Islam, Mohammad Irfan Khan, Juber Akhtar Nitin Ranjan Gupta and Mohammad Ahmad

DOI: <http://dx.doi.org/10.54085/jpps.2026.6.1.5>

[Views / Downloads / Citations](#)

44. **Development, optimisation, and *in vitro* evaluation of nanoengineered etoposide-loaded polymeric nanoparticles for improved anticancer therapy**

Mohammad Muztaba, Chandan Kr. Pandey, Prince Kumar Sahni, Shivam Chauhan, Shivam Srivatsav and Sakshi Verma

DOI: <http://dx.doi.org/10.54085/jpps.2026.6.1.6>

[Views / Downloads / Citations](#)

54. **Exploring nutrigenomics: Analytical platforms and their role in understanding nutrition-health relationships**

Jeneesha Mohammad, Khagga Bhavyasri and C.A. Sri Ranjani

DOI: <http://dx.doi.org/10.54085/jpps.2026.6.1.7>

[Views / Downloads / Citations](#)

Cover photograph: **Role of banana in maintaining human health with special emphasis on gut health**

Md. Hasheem Khan, Aamir Imam, Ijlal Husain, Khushi Mishra, Badruddeen, Mohammad Irfan Khan, Juber Akhtar, Mahboobus Salam and Mohammad Ahmad