

# World Food Day Celebrations (16<sup>th</sup> of October, 2021) at ICAR-National Research Centre for Grapes, Pune

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## Child Malnutrition In India

The problem is likely to be less severe than UN statistics indicate, given faulty yardsticks

### DUBIOUS DISTINCTION

795 million people in the world remain hungry

#### TOP 10 UNDERNOURISHED COUNTRIES

Country	Population (in millions)
India	133.8
China	133.8
Pakistan	41.4
Ethiopia	31.6
Bangladesh	26.3
Indonesia	26.3
Tanzania	19.4
Philippines	16.8
Nigeria	13.7
N. Korea	12.9
N. Korea	10.5

Percentage of hungry people in developing regions declined to 12.9% from 23.3% 25 years ago

72 of 129 nations have achieved target of halving proportion of the chronically undernourished

### FOUR OF THE TOP FIVE COUNTRIES WITH THE LARGEST NUMBER OF THE WORLD'S STUNTED CHILDREN ARE IN ASIA

NUMBER OF STUNTED CHILDREN UNDER AGE 5

Country	Stunted Children (Millions)
INDIA	12.7
INDONESIA	10.5
PAKISTAN	8.7
CHINA	8.1
INDONESIA	7.5

STUNTING PREVALENCE

Country	Stunting Prevalence (%)
INDIA	48%
INDONESIA	41%
PAKISTAN	44%
CHINA	10%
INDONESIA	36%

1 in 4 STUNTED CHILDREN OF UNDER-5 AGE ARE STUNTED

860k ANNUAL DEATHS OF UNDER-5 AGES DUE TO MALNUTRITION

2.5 MILLION PEOPLE LIVE ACROSS 17 COUNTRIES

INDIA HAS FASTER WIDENING THAN OTHER COUNTRIES IN THE NUMBER OF CHILDREN WHO ARE STUNTED, ACCORDING TO A NEW REPORT ON GLOBAL NUTRITION

38.7% India's ranking among 129 countries

114 China's ranking

26 Congo's ranking

52 Egypt's ranking

80 Top's ranking

### Missing Well

Indicator	Rate (%)	Global rank	Asia rank	Position of nutrition indicators
Under 5 stunting	38.7	114/132	34/39	Off track
Under 5 wasting	15.1	120/130	35/38	Off track
Under 5 overweight	1.9	11/126	6/37	On track
Anaemia in women	48.1	170/185	45/47	Off track
Exclusive breastfeeding	46.4	48/141	12/40	Incomplete data
Adult overweight/obesity	22	11/190	10/47	Off track
Adult diabetes	9.5	104/190	16/47	Off track

Source: Global Nutrition Report, 2018

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## Bioactive Milk Components

### Pharmacological Significance

- Good source of sulfur (cysteine and methionine): 8 times more as compared to casein
- Exceptionally rich in BCAAs: leucine, isoleucine and valine
- Contains more leucine than casein, egg and soy protein
- Humoral response of mice fed to whey protein diet found to be 5 times more than on diet of either only casein or casein enriched with cysteine
- Antioxidant effects of increased glutathione may be basis for increased lifespan seen with WP



