AN INITIATIVE BY
ALCHEM
ORGANISER & INITIATOR

FIRST TIME IN BANGLADESH · NUTRASCIENCE 2026 ·
1st
TIME IN BANGLADESH

You are cordially invited to

NutraScience

SUMMIT 2026

THE BANGLADESH NUTRASCIENCE SERIES · VOLUME 01

Where science shapes tomorrow

DATE	VENUE	ACCESS
Thursday **12 November 2026**	**Le Méridien Dhaka** **Bangladesh**	**By invitation only**

An exclusive, science-led gathering of Bangladesh's pharmaceutical and nutraceutical leaders, scientists, academia and media — to explore how clinically validated nutrition can build a healthier Bangladesh, and a new industry for the nation.

IN PARTNERSHIP WITH

iff · Fuji Chemical Industries · stratum NUTRITION

BACKGROUND

Why NutraScience. Why Bangladesh. *Why now.*



Bangladesh has already proven it can make world-class medicines. Local manufacturers meet **98% of national demand** and export to **more than 160 countries**, including the US and Europe. Yet the science of everyday health — nutrition that helps prevent disease rather than only treat it — is still an emerging field here.

At the same time, lifestyle diseases now account for **seven in ten deaths**, hidden hunger persists, and families pay most health costs out of their own pockets. Since COVID-19, consumers worldwide have turned to prevention, and the global supplement market is on course to double.

The **NutraScience Summit** was conceived by **Alchem** to bring these threads together: the first platform of its kind in Bangladesh, where industry, science, academia and media meet to explore how clinically validated nutrition can be developed, manufactured and trusted in Bangladesh — for its own people, and for export.

At a glance

EDITION
Volume 01 — first of its kind in Bangladesh

DATE
Thursday, 12 November 2026

VENUE
Le Méridien Dhaka

ORGANISER & INITIATOR
Alchem Enterprise Ltd

PARTNERS
IFF Health Sciences · Fuji Chemical Industries · Stratum Nutrition

AUDIENCE
Industry leaders, scientists & academia, healthcare professionals, media

ACCESS
By invitation only

FREQUENCY
Twice a year

THREE FORCES CONVERGING

CAPABILITY
Pharma-grade manufacturing
GMP discipline, regulatory know-how and formulation talent built over four decades.

DEMAND
A young, rising consumer class
176 million people, median age 26, with GDP per person near $2,900.

NEED
A growing health burden
Diabetes, hypertension and micronutrient gaps call for prevention-led solutions.

> *Our mission: to make Bangladesh a centre of evidence-based nutrition — for its own people and for the world.*

Figures are detailed, with sources, on the following pages.

A PHARMACEUTICAL LEGACY TO BUILD ON

From 98% imported, to 98% *made at home.*

In four decades, Bangladesh built one of the developing world's great pharmaceutical success stories. That manufacturing discipline, regulatory know-how and scale is the foundation for a world-class nutraceutical industry.

98%
of national medicine demand met by local manufacturers

160+
countries import Bangladeshi medicines, incl. US, UK & EU

$213
medicine exports (US$ M), FY2024–25

213
active pharmaceutical companies

THE JOURNEY

1970s
~98% of medicines imported

1982
Drug (Control) Ordinance

2000s
First approvals in US & EU markets

Today
98% made at home
160+ export markets

Tk 37,500
crore in medicine sales, Jan–Sep 2025 (≈US$3.1B) — up 9% (IQVIA)

>85%
of active ingredients are imported — about US$1.3 billion a year

$53
health spending per person per year (US$, 2023) — just 2.2% of GDP

WHAT THIS MEANS FOR NUTRASCIENCE

QUALITY
GMP-grade from day one
The same plants and quality systems can produce nutraceuticals to international standards.

ACCESS
Export-ready know-how
Experience with US and EU regulators shortens the path to global nutrition markets.

VALUE
Backward integration
Local ingredient science can reduce import dependence and keep more value at home.

> *The question is no longer whether Bangladesh can manufacture to global standards — it is what it manufactures next.*

Sources: BAPI via The Business Standard (2025); IQVIA via The Daily Star (2025); BIDA, Pharmaceuticals & API sector profile (company count, API imports); World Bank / WHO Global Health Expenditure Database (2023).

A RISING CONSUMER ECONOMY

Half a trillion dollars — and growing more *health-aware.*

A young, urbanising population with rising incomes and longer lives is exactly the profile that drives demand for preventive nutrition.

175.7 M
people (2025) — the world's eighth most populous nation

26.3
median age — a young, digitally connected population

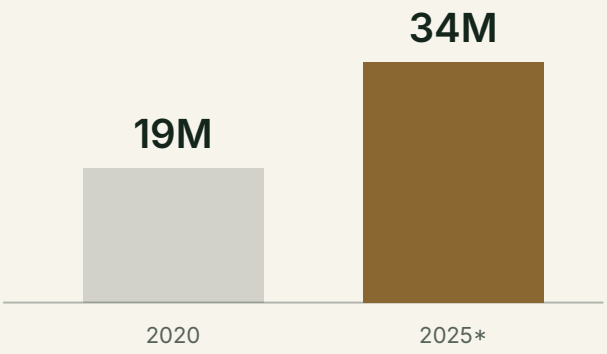
33.8 %
urban — about 60 million city dwellers

75.5
years life expectancy at birth — and rising

$506
GDP (US$ B), 2026 — IMF

$2,886
GDP per person (US$), 2026 — IMF

MIDDLE & AFFLUENT CONSUMERS



* BCG projection

$1 tn
trillion-dollar economy projected by 2040 (BCG)

69 %
of the economy is household consumption (2021)

MILESTONE

LDC graduation now set for 24 November 2029

In October 2026 the UN General Assembly granted Bangladesh three more years to prepare — a window to build higher-value, science-led industries such as nutraceuticals.

Rising incomes shift spending from basic needs to health and wellbeing.

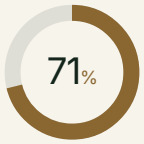
Urban lifestyles increase demand for convenient, trusted nutrition.

Longer lives make healthy ageing a national priority.

Sources: IMF World Economic Outlook database (Oct 2026) via The Business Standard; World Bank (population 2025); UN World Population Prospects 2024 via StatisticsTimes; BCG via The Financial Express (Nov 2022); UN General Assembly decision via The Business Standard (30 Oct 2026).

THE CASE FOR PREVENTION

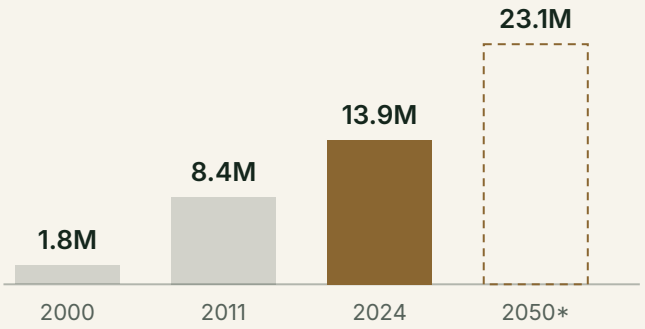
Longer lives — and a *rising lifestyle-disease burden.*



of all deaths in Bangladesh are linked to non-communicable diseases

WHO, via BSS (April 2026)

ADULTS (20–79) LIVING WITH DIABETES



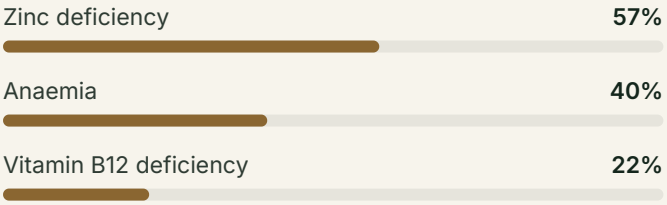
* IDF projection · about 4 in 10 cases undiagnosed

22.8M
adults (30–79) have hypertension — only 52% diagnosed, 16% controlled

$1.03
spent on diabetes care in 2024 (US$ B) — rising to $1.44B by 2050

~69%
of health spending is paid out of pocket by families

HIDDEN HUNGER · WOMEN 15–49



Women's nutrition shapes the health of the next generation.

THE PREVENTION DIVIDEND

Every case prevented is a family spared the cost of treatment.

Evidence-based nutrition — for micronutrient sufficiency, metabolic and heart health, gut and immune resilience, and healthy ageing — can complement medical care and ease pressure on household budgets and the health system.

BANGLADESH'S WIDER HEALTH NEEDS

DIABETES & METABOLIC **13.9M** adults with diabetes	HEART & BP **16%** of hypertensives controlled	BONE & VITAMIN D **67%** vitamin D deficient	STRESS, MOOD & SLEEP **16.8%** adults with a mental-health condition; 92% untreated
EYE HEALTH **Rising** screen-time fatigue, diabetic eye risk	IMMUNITY **Post-COVID** sustained consumer focus	GUT & DIGESTIVE **Growing** probiotic and fibre demand	HEALTHY AGEING **75.5 yrs** life expectancy, and rising

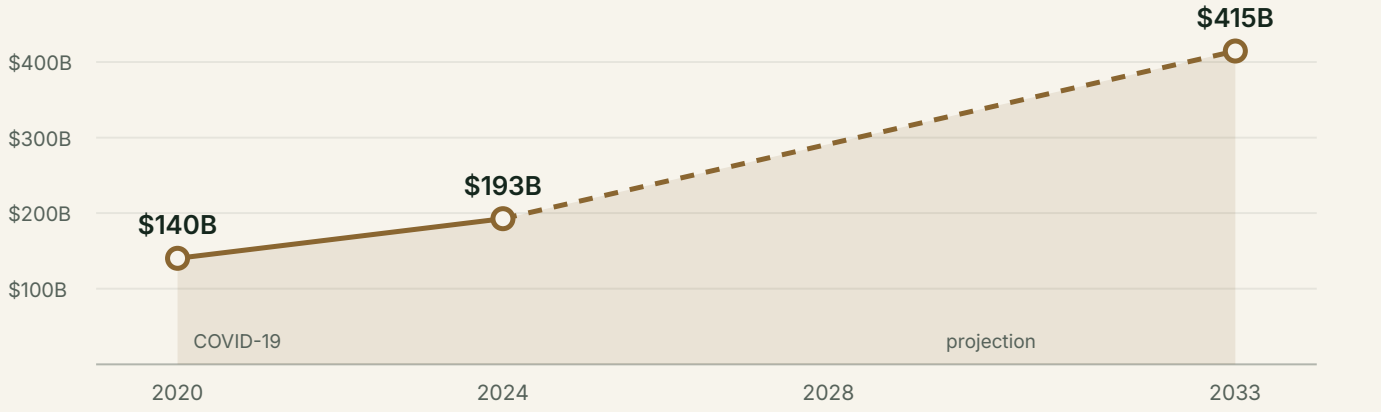
Sources: WHO via BSS (Apr 2026); IDF Diabetes Atlas 2024 (prevalence, projections, diabetes-related health expenditure); WHO Global Report on Hypertension 2025, via TBS; GAIN/IPHN vitamin D survey 2025; National Mental Health Survey 2019; UN WPP 2024; National Micronutrient Survey 2011–12 via USAID Nutrition Profile; Institute of Health Economics, University of Dhaka, via The Daily Star. Nutrition supports, but does not replace, medical care.

AFTER COVID-19, THE WORLD CHOSE PREVENTION

A global market *on course to double.*

GLOBAL DIETARY-SUPPLEMENT MARKET (US$ B)

8.9%
annual growth, 2025–33



$57.2
Asia-Pacific supplement market (US$ B), 2024

$85.8
Asia-Pacific forecast (US$ B), 2029

8.4%
Asia-Pacific annual growth, 2024–29 — ahead of the global rate

GLOBAL GROWTH BY HEALTH NEED · ANNUAL GROWTH (CAGR) AND MARKET SIZE

Brain & cognitive	13.7%	$11.0B (2024)	Eye health	7.1%	$2.9B by 2030
Sleep	12.9%	$4.3B (2024)	Gut & probiotics	6.5%	$10.5B (2025)
Immunity	9.1%	$35.4B (2024)	Heart	6.2%	$10.3B (2025)
Bone & joint	7.6%	$14.2B (2024)	Women's health & beauty	5.3%	$77.5B by 2030

WHAT IT MEANS FOR BANGLADESH

HOME MARKET
Serve local demand locally
Quality, affordable products made in Bangladesh for Bangladeshi consumers.

EXPORT
Follow the pharma playbook
Use existing regulatory and export experience to reach global nutrition buyers.

SCIENCE
Compete on evidence
Clinically validated ingredients and local studies build lasting brand trust.

Sources: Grand View Research, Dietary Supplements Market (2020: $140.3B · 2024: $192.7B · 2033: $414.5B, 8.9% CAGR 2025–33); MarketsandMarkets, Asia Pacific Dietary Supplements Market (2024–29). Health-need growth rates and market sizes: Grand View Research segment reports (forecast periods vary by segment).

THE OPPORTUNITY

How Bangladesh can lead in *NutraScience.*

Bangladesh already has the manufacturing base, the talent and the market. What it needs is a shared platform to connect ingredients, science and industry — from farm to formulation.

THE NUTRASCIENCE VALUE CHAIN

01 **Premium ingredients** → 02 **Validated supply chain** → 03 **Quality formulation** → 04 **Clinical evidence** → 05 **Home market & export**

Reduce the cost of treatment

Prevention-led nutrition can help lower long-term spending on lifestyle diseases.

Healthier people

Close micronutrient gaps and support metabolic, heart, gut and immune health.

Explore local ingredients

About 1,000 plants are used by traditional healers — turmeric, black seed and more.

Validated supply chains

Standardised, traceable, GMP-grade sourcing that regulated markets trust.

Learn from global experts

International ingredient and delivery-technology leaders help turn ingredients into quality formulations.

Generate local science

Industry–academia partnerships build clinical evidence for Bangladeshi consumers.

WHY ATTEND

A first-of-its-kind platform to *share ideas and showcase science.*

INDUSTRY LEADERS
New product and portfolio ideas, access to clinically validated global ingredients, and partners for formulation and export.

SCIENTISTS & ACADEMIA
A stage for local research, links with industry, and pathways to clinical studies on Bangladeshi ingredients.

HEALTHCARE PROFESSIONALS
Up-to-date evidence on nutrition for prevention, and a voice in how products reach patients responsibly.

MEDIA
First access to the data, stories and people shaping a new national industry.

WHAT TO EXPECT

Science keynotes
Global experts on evidence-based nutrition

Ingredient showcase
Clinically validated ingredients and technologies

Industry dialogue
Opportunities, regulation and the road ahead

Networking
Curated conversations across sectors

Source for traditional plant use: Frontiers in Pharmacology (2022), citing Mollik et al. (2010).

THE PARTNERS BEHIND VOLUME ONE

Global science, *local commitment.*

ORGANISER & INITIATOR

Alchem

Dhaka-based partner to Bangladesh's pharmaceutical and nutraceutical companies — supplying clinically validated ingredients, functional excipients, APIs and technology, with formulation and technical support, through partnerships with manufacturers in the USA, Europe and Japan. Initiator and organiser of the NutraScience Summit.

PARTNER

IFF Health Sciences

Microbiome and bioscience innovator developing probiotics (including HOWARU®), enzymes and botanicals for digestive, metabolic and immune health.

PARTNER

Fuji Chemical Industries

Founded in 1946 in Toyama, Japan. Global supplier of functional excipients — Fujicalin®, Neusilin® and F-Melt® — and a pioneer of natural astaxanthin through AstaReal®.

PARTNER

Stratum Nutrition

US ingredient innovator and a business of ESM Technologies, offering research-supported ingredients such as NEM® eggshell membrane, Ahiflower® plant omegas and BLIS K12™ oral probiotics.

JOINING THE NEXT SESSION | **Aker BioMarine** · **Balchem** — Global ingredient leaders expanding the series

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AN INITIATIVE BY ALCHEM

Volume One is only the beginning — *we will convene twice a year.*

Alchem, Bangladesh, has taken the initiative to organise the NutraScience Summit and will bring it back twice a year, growing it into a lasting platform for the industry.

2026

Volume 01, Dhaka. First of its kind in Bangladesh.

Twice a year

New editions, new science themes and partners.

Ahead

A regional platform for Asia-Pacific NutraScience.

BY INVITATION ONLY · LIMITED SEATS

Request your *invitation*

Thursday, 12 November 2026 · Le Méridien Dhaka

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Alchem

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