

Entrepreneur One

Inspiring Entrepreneurs to the World

VOL 01 | ISSUE 03 | MARCH 2026

M. Chandramohan

Founder and CMD

*“From Curiosity to
Creation: The Journey of a
Biotech Pioneer”*

Go to Digital



Microcore Research Labs: Where Biotechnology Meets Breakthrough Healing

MICROCORE RESEARCH LABS: REDEFINING MEDICAL NUTRITION THROUGH SCIENCE

The Foundation of Innovation

In today's rapidly advancing healthcare ecosystem, **Microcore Research Labs India Pvt. Ltd.** stands out as a science-led organization committed to transforming the nutraceutical and biomaterials landscape. With a strong foundation built on intellectual property, clinical validation, and regulatory excellence, the company has emerged as a pioneer in **evidence-based medical nutrition**.

Founded by biotechnology entrepreneur **M. Chandramohan**, Microcore reflects a powerful vision rooted in indigenous innovation and a **100% Made-in-India philosophy**. Leveraging deep expertise in microbiology and bioprocess engineering, the company has successfully translated complex scientific research into practical healthcare solutions addressing areas such as joint health, tissue regeneration, dermatology, and chronic inflammation.

At the core of its innovation lies the proprietary **NESM (Natural Eggshell Membrane) bioprocess platform**, a breakthrough technology designed to preserve the structural and functional integrity of vital biomolecules. Supported by a robust portfolio of patented technologies—including undenatured collagen type II and multi-type collagen complexes—Microcore's offerings are validated through rigorous clinical studies, ensuring both safety and measurable therapeutic outcomes.

Scaling Science with Purpose

What truly differentiates Microcore is its **integrated innovation ecosystem**, encompassing everything from discovery research and ingredient standardization to formulation development, clinical validation, and scalable manufacturing. Its scientific framework harnesses multi-type collagen matrices enriched with bioactive components such as elastin, glycosaminoglycans, and hyaluronic acid—enabling next-generation solutions for regenerative health, gastrointestinal restoration, and anti-aging interventions.

Operating in alignment with globally recognized standards, including **GMP, ISO, FSSAI, and DSIR**, the company ensures uncompromising quality, safety, and compliance. At the same time, Microcore champions sustainability through its use of **bio-recycled eggshell membranes**, transforming natural waste into high-value biomedical inputs—an approach that reflects its commitment to a circular bioeconomy.

With a clear focus on expanding its global footprint, Microcore is strengthening its manufacturing capabilities and forging strategic partnerships across the pharmaceutical and nutraceutical sectors. As it advances into areas such as regenerative medicine, mucosal repair, and chronic disease management, the company continues to shape the future of healthcare—where science, sustainability, and innovation converge to create lasting impact.



M. Chandramohan
Founder and CMD

THE JOURNEY OF M. CHANDRAMOHAN: FROM SCIENTIFIC CURIOSITY TO HEALTHCARE INNOVATION

The Making of a Visionary

The story of **M. Chandramohan** is one of relentless curiosity, scientific depth, and purpose-driven ambition. With a strong academic foundation in **Microbiology and Bio-Process Engineering** and over 25 years of experience, his journey began not with entrepreneurship in mind, but with a deep fascination for how science influences everyday life.

During his early years, a simple yet profound observation of traditional Indian fermented foods like *idlis* sparked his scientific curiosity. He explored the microbial ecosystems behind fermentation, discovering how naturally occurring bacteria such as *Leuconostoc mesenteroides* play a crucial role in nutrition, digestion, and overall health. This early research expanded his understanding of probiotics—extending beyond the human gut to environmental and dermal microbiomes.

This curiosity led him to **Biocon Ltd.**, where he began his professional journey as a trainee scientist. Here, he mastered the art and science of industrial fermentation, scaling microbial processes from laboratory flasks to industrial fermenters as large as **125 kiloliters**. His work in microbial morphology, shear force dynamics, and metabolite optimization laid a strong foundation in **translational biotechnology**.

Over time, his journey expanded beyond laboratories into consulting, where he worked with over 500 companies across diverse industries. This exposure provided him with a rare dual perspective—understanding both scientific innovation and operational challenges. These experiences ultimately shaped his vision of building an organization that could bridge the gap between **research, scalability, and impactful healthcare solutions**.

Building Microcore & Transforming Healthcare

Despite a promising career, Chandramohan chose the path of entrepreneurship—starting from humble beginnings without institutional backing. Through years of consulting, he generated the resources and insights needed to build something of his own. In 2007, he founded **Microcore Research Labs India Pvt. Ltd.**, establishing a research-first platform driven by innovation and scientific integrity.

His early work involved screening over 450 agro-waste materials, leading to the development of one of India's first dietary fiber libraries from agricultural residues. However, the most defining breakthrough came from a simple yet powerful realization—**eggshell membrane is a naturally rich source of essential biomolecules for human health**.

Driven by this insight, Chandramohan developed a **patented, chemical-free technology** to extract and preserve **Natural Eggshell Membrane (NESM™)** without compromising its biological integrity. This innovation unlocked a new frontier in healthcare, offering a safe and effective alternative to conventional treatments for joint health and chronic conditions.

Unlike traditional pharmacological approaches that focus on symptom relief, NESM-based solutions work at a structural level—supporting cartilage health, reducing inflammation, and improving overall mobility. Clinically validated studies have demonstrated significant improvements in joint function, flexibility, and quality of life, positioning Microcore as a leader in **evidence-based nutraceutical innovation**.

Today, Chandramohan is recognized as one of India's leading biotechnology entrepreneurs, with numerous national and international accolades to his name. Yet, beyond the awards, his true achievement lies in building a company that transforms scientific discoveries into **accessible, sustainable, and impactful healthcare solutions**.

From a curious student exploring fermentation to a pioneer in biomaterial science, his journey reflects a singular mission—to redefine healthcare through **innovation, evidence, and purpose**.

DELIVERING SCIENCE-BACKED SOLUTIONS: MICROCORE'S COMPREHENSIVE SERVICE ECOSYSTEM

At the core of **Microcore Research Labs India Pvt. Ltd.** lies a dynamic and integrated service ecosystem designed to bridge cutting-edge science with real-world healthcare and market needs:

- **Contract Manufacturing & Marketing Support (CMO Solutions):** Microcore fosters a win-win ecosystem for both product takers and marketers by offering end-to-end support in contract manufacturing. The company collaborates closely with partners to deliver high-quality, clinically validated nutraceutical solutions tailored for market success.
- **Development of Clinically Validated Formulations:** Microcore specializes in designing scientifically backed formulations with proven clinical efficacy, ensuring reliability, safety, and superior performance in targeted health applications.
- **Blended Bioactives Technology:** The company provides advanced Blended Bioactives developed through nano-molecular binding technology. This innovation enhances bioavailability and ensures sustained release, resulting in improved therapeutic effectiveness.

- **Novel Molecule Identification & Development:** Microcore actively identifies and develops novel bioactive molecules, creating a strong bridge between Science-to-Business and Business-to-Science models. This enables faster commercialization of innovative solutions.
- **Wound Healing & Tissue Regeneration Solutions:** With a strong focus on regenerative science, Microcore develops specialized formulations aimed at accelerating wound healing and promoting tissue regeneration, backed by clinical validation.

SETTING NEW BENCHMARKS: WHAT MAKES MICROCORE TRULY DIFFERENT

In an industry often dominated by generic formulations, **Microcore Research Labs India Pvt. Ltd.** stands apart as a **science-first, innovation-led organization**. With patented technologies and clinically validated formulations based on **Natural Eggshell Membrane (NESM) and advanced collagen complexes**, the company is redefining how nutraceuticals contribute to managing conditions like osteoarthritis, osteopenia, and osteoporosis.

A major differentiator is Microcore's **PA-II approved health claim from FSSAI**, making it the only company in India to achieve this recognition for its proprietary molecule. This reflects not just compliance, but a deep-rooted commitment to **scientific validation and regulatory excellence**—something most conventional manufacturers lack.

At the heart of its innovation lies the breakthrough **Epitope Integrated Collagen Technology**, designed to move beyond basic supplementation toward targeted, mechanism-driven outcomes. Instead of simply supplying nutrients, Microcore's formulations actively trigger biological responses within the body.

This advanced approach enables:

- Enhanced cellular signaling for collagen regeneration
- Stimulation of chondrocyte activity and cartilage repair
- Improved bioavailability and functional absorption
- Precision modulation of inflammatory pathways
- Accelerated tissue repair and matrix restoration

Clinically, Microcore's approach goes far beyond passive supplementation—delivering **measurable functional outcomes** through formulations engineered to activate biological responses at the molecular level. Rather than simply providing nutrients, these solutions are designed to enhance therapeutic efficiency and ensure consistent, predictable results.

In contrast, conventional or non-validated collagen products often fall short due to the absence of:

- Defined bioactive peptide targeting
- Mechanism-driven action
- Clinical validation
- Predictable physiological outcomes

This clear distinction positions Microcore's offerings as **science-driven, clinically validated bioactive interventions**, rather than generic nutritional products.

At its core, Microcore views nutraceuticals as a **critical healthcare interface**, bridging nutrition with preventive medicine. Aligned with the evolving model of **Predictive, Preventive, and Personalized Healthcare (PPPH)**, the company is focused on addressing the growing burden of chronic diseases through mechanism-based innovation rather than symptomatic relief.

In arthritis care, Microcore's formulations are designed to:

- Modulate pro-inflammatory cytokines
- Inhibit COX/LOX pathways
- Protect cartilage extracellular matrix
- Stimulate endogenous collagen synthesis

In wound healing and regenerative applications, the technology supports:

- Collagen matrix regeneration
- Angiogenesis stimulation
- Controlled inflammatory response
- Accelerated tissue remodeling

As global regulatory frameworks evolve, the nutraceutical industry is steadily shifting toward **clinical validation, transparency, and measurable outcomes**. Consumer expectations are moving away from generic supplementation toward clean-label, traceable, and evidence-based solutions.

Microcore stands firmly at the forefront of this transformation. Its formulations are backed by **structured clinical evaluations**, demonstrating safety, bioavailability, and superior functional benefits. With improved tolerability and enhanced patient compliance, these innovations reinforce a simple philosophy—**at Microcore, science is not just claimed, it is clinically proven**.

ADVANCING REGENERATIVE HEALTHCARE

Microcore stands at the forefront as a **leading manufacturer of clinically validated bioactive blends**, powered by advanced epitope integration technologies. Its science-driven approach focuses on precise molecular mechanisms to ensure high efficacy and strong regulatory credibility.

With a strong emphasis on **translational research**, the company is developing innovative solutions for wound healing, post-surgical tissue repair, peptic ulcer management, and bone and cartilage regeneration—aimed at delivering targeted outcomes and improved patient care.

Driven by innovation, clinical validation, and scientific rigor, Microcore continues to progress toward **global leadership in regenerative and therapeutic healthcare solutions**.

THE FUTURE OF HEALTHCARE: FROM TREATMENT TO TRANSFORMATION

Microcore envisions the future of healthcare as a decisive shift from a **treatment-centric model to one driven by prevention, regeneration, and precision medicine**. In India, this transformation is already underway, with the healthcare sector projected to reach **USD 1.5 trillion by 2030**, fueled by rising demand, digital innovation, and expanding infrastructure.

This evolution is further shaped by the increasing burden of **non-communicable diseases (NCDs)**, ageing populations, and lifestyle disorders—prompting a stronger focus on **early intervention, long-term management, and outcome-based care**. At the same time, the rapid growth of digital health technologies, including AI and telemedicine, is enabling more **predictive, personalized, and data-driven healthcare delivery**.

Within this changing landscape, Microcore is strategically aligned to contribute through its **clinically validated, epitope-integrated bioactive solutions and NESM-based formulations**, addressing key areas such as:

- Bone and joint health
- Tissue regeneration and wound healing
- Post-surgical recovery
- Gastrointestinal repair, including peptic ulcer care

However, the nutraceutical industry continues to face a critical challenge—**commoditization**. With multiple brands offering similar claims, the market often reduces innovation to price competition, making it difficult to distinguish **clinically validated solutions from generic alternatives**.

Microcore challenges this mindset by reinforcing a fundamental principle: **not all ingredients are equal**. By prioritizing **scientific validation, mechanism-driven innovation, and measurable clinical outcomes**, the company aims to play a vital role in shaping a future where healthcare is not just accessible—but **evidence-based, precise, and truly transformative**.

SCIENCE, STRUCTURE, AND STRATEGY: THE MICROCORE ADVANTAGE

Microcore's advanced technologies are designed to go beyond conventional care—supporting **joint health, tissue regeneration, and faster recovery**, while reducing the need for surgical interventions. From osteoarthritis management to post-surgical healing and accident-related wounds, its solutions are built to deliver **faster repair and improved functional outcomes**.

At the core of this innovation lies a clearly defined **Mechanism of Action (MoA)**—a scientific foundation that explains how bioactive compounds interact at molecular and cellular levels. This includes targeted actions such as reducing inflammation, supporting cartilage health, stimulating collagen production, and enhancing mineral absorption—ensuring precise and effective results.

What truly differentiates Microcore is its emphasis on **structural integrity and scientific validation**. By preserving the natural molecular architecture of bioactives, the company ensures better biological signaling and tissue response—something most generic formulations fail to achieve. This is further strengthened by **clinical validation, rigorous standardization, and patented process technologies**, ensuring consistency, safety, and reproducible outcomes.

Beyond innovation, Microcore actively empowers its partners through **science-backed marketing support**, helping them communicate real value instead of generic claims. This includes:

- Mechanistic insights and pathway understanding
- Clinical data interpretation
- Clear product differentiation frameworks
- Bioavailability and structural advantages
- Standardization and validation support

By combining **deep science with strategic collaboration**, Microcore enables brands to build credible, evidence-based narratives—fostering trust among healthcare professionals and consumers alike. In doing so, the company ensures that innovation is not just developed, but clearly understood, effectively communicated, and meaningfully experienced.

THE TRUE REWARD: IMPROVING LIVES

For Microcore, the greatest reward is the **relief and gratitude of osteoarthritis patients**. Its formulations help support joint health while reducing dependence on NSAIDs and steroids, improving overall quality of life.

In many early-stage cases, patients have been able to **delay or avoid knee replacement surgeries** under medical guidance. With safe, natural, and effective egg membrane-based solutions, Microcore continues to enhance mobility, comfort, and long-term well-being.

OVERCOMING THE CHALLENGE OF COMMODITIZATION

One of the biggest challenges Microcore has faced is **changing the perception that “all nutraceutical ingredients are the same.”** In a crowded Indian market filled with similar claims, bioactives are often treated as commodities—forcing brands to compete on price rather than science.

The real challenge lies in helping marketers and healthcare professionals **differentiate clinically validated, high-quality bioactives from low-grade or non-validated alternatives**. Not all ingredients are equal—factors like source, extraction process, structural integrity, and clinical validation play a critical role in determining real efficacy.

Microcore addresses this gap by shifting the focus from what an ingredient is to **what it biologically does**, backed by:

- Clearly defined mechanisms of action (MoA)
- Strong clinical validation and reproducible outcomes
- Standardization and analytical transparency
- High bioavailability and functional synergy

Beyond innovation, Microcore actively educates and supports its partners with scientific insights and data interpretation—enabling them to build **credible, evidence-based product narratives** instead of generic marketing claims.

By overcoming this challenge, Microcore is helping the industry move toward **science-driven differentiation, transparency, and measurable healthcare outcomes**.

SUCCESS BEYOND APPLAUSE

For me, success has never been about celebration or recognition—it is a **quiet acknowledgment of perseverance**. The journey has been filled with repeated failures, moments of doubt, and challenges to credibility, all of which have reshaped my understanding of what success truly means.

Over time, I have come to realize that success is not defined by applause or external validation, but by the ability to **remain resilient when recognition is absent**. Every setback has contributed to building strength, clarity, and composure—allowing me to view success not as an extraordinary achievement, but simply as the **completion of a responsibility**.

In that sense, success is not glory—it is **closure**. It is the calm realization that despite every obstacle, the journey was not abandoned. It is proof that persistence endures where recognition may not. And when it arrives, it is received not with pride, but with **quiet acceptance and inner stability**.

VISION FOR 2026: INTEGRATING SCIENCE WITH PRECISION CARE

Looking ahead to 2026, Microcore is focused on pioneering **next-generation therapeutic approaches** by integrating its **NESM-based bioactives into advanced medical procedures**, particularly in endoscopic applications.

The vision is to collaborate with leading hospitals and research institutions to develop **innovative bioactive scaffolds** that can be applied during endoscopic procedures, enabling targeted healing of conditions such as peptic ulcers. This represents a significant shift toward **minimally invasive, precision-driven regenerative care**, where science is seamlessly integrated into clinical practice.

This approach reflects Microcore's long-term commitment to transforming healthcare—moving beyond conventional treatment methods toward **targeted, efficient, and patient-centric recovery solutions**.

NAVIGATING THE COMPLEXITY OF PEOPLE MANAGEMENT

People management is one of the most intricate aspects of building and sustaining an organization. While policies often originate from the founder's vision and values, their true strength lies in how effectively they are carried forward and adapted over time.

As organizations grow, maintaining this balance becomes increasingly challenging. In smaller setups, direct interaction enables better understanding and resolution of issues. However, with scale comes the need for **structured systems and layered management**.

In such environments, the role of **middle management becomes critical**. Transparent, capable, and value-driven managers act as the bridge between leadership and the workforce. Their ability to communicate effectively, understand operational realities, and uphold organizational principles determines the overall health and stability of the organization.

Ultimately, successful people management lies in **preserving core values while allowing flexibility for evolution**, ensuring continuity without rigidity.

DESIGNING CX WITH CREDIBILITY AND CARE

For CEOs, especially in healthcare and nutraceuticals, customer experience (CX) must go beyond service—it must be built on **trust, clinical credibility, and measurable outcomes**.

The journey begins with **evidence-based communication**, where every product claim is backed by validated scientific data and clearly understood by doctors, practitioners, and patients. Given the complexity of healthcare journeys—whether in osteoarthritis, gut health, or post-surgical recovery—CX must be designed as a **continuum of care**, integrating awareness, treatment, and follow-up.

Key focus areas include:

- Evidence-backed and transparent communication
- Seamless integration of digital and clinical touchpoints
- Strong feedback loops from clinicians and patients
- Consistent execution through capable middle management

In this domain, CX is not just about convenience—it is about **building long-term trust, improving quality of life, and demonstrating real clinical impact**, which ultimately defines brand credibility.



FUTURE ENDEAVOURS: FROM PRODUCTS TO HEALTHCARE SOLUTIONS

Microcore's future lies in advancing **clinically validated, science-driven nutraceutical innovations** that bridge the gap between preventive care and therapeutic intervention.

The company aims to expand its leadership in **NESM-based bioactives**, focusing on next-generation applications such as:

- Endoscopic delivery systems for peptic ulcer healing
- Accelerated wound and post-surgical recovery
- Targeted cartilage regeneration in early-stage osteoarthritis

At the same time, strengthening collaborations with hospitals, research institutions, and clinicians will be essential to generate **robust clinical evidence and real-world data**. Investments in advanced delivery systems, biomaterial scaffolds, and precision formulations will further enhance **bioavailability and patient outcomes**.

The long-term vision is clear—to evolve from a product-centric organization into a **global, science-led healthcare solutions provider**, delivering measurable impact across regenerative care and chronic disease management.

A PERSPECTIVE ON SUCCESS AND LIFE

Endurance remains the true mantra of success. Rather than offering advice, I believe in sharing a perspective—**challenges are not setbacks, but opportunities for learning and growth**.

Every failure carries within it the potential for improvement, provided we are willing to reflect, identify our gaps, and realign our efforts. True success lies in continuously working on our weaknesses and preparing ourselves to face future challenges with greater strength and clarity.

Beyond professional achievements, there is also a deeper dimension to fulfillment—**values, purpose, and compassion**. Acts of genuine charity, done without expectation of recognition, bring meaning that goes beyond material success.

Ultimately, success is not just about outcomes—it is about **the lives we touch, the integrity we maintain, and the purpose we serve**.

A FINAL REFLECTION: BUILDING FROM INDIA, FOR THE WORLD

The journey of building a **techno-scientific, research-driven organization in India** is both challenging and demanding. When combined with intellectual property development and clinical validation, it becomes capital-intensive and time-consuming—testing resilience at every stage.

Regulatory delays, financial pressures, and limited systemic support further add to the complexity, especially for entrepreneurs coming from modest backgrounds. Yet, this journey proves an important truth—it is possible to build **globally credible, innovation-led solutions from India**.

The need of the hour is to move beyond *"Make in India"* toward **"Made in India."** True self-reliance lies not just in manufacturing, but in owning **innovation, research, and intellectual property**.

India's future depends on creating solutions that are not only produced here, but are **conceived, developed, and trusted globally**—strengthening both economic growth and global credibility.