

NEXTGEN BIOSUMMIT 2025

INSIGHTS, OUTCOMES & OPPORTUNITIES

BY: VIKASHITA ODISHA TRUST



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ABOUT VIKASHITA ODISHA TRUST

Vision:

To enhance the quality of life for individuals and communities across Odisha and beyond —empowering people to live healthier, more fulfilled, and dignified lives.

Mission:

Vikashita Odisha Trust is committed to enabling holistic well-being through a progressive, sustainable, and all-inclusive approach. Our mission spans across:

- Physical health through accessible healthcare initiatives
- Mental wellness through awareness and support programs
- Financial empowerment through livelihood, entrepreneurship, and skill-building
- Academic and intellectual development via educational interventions and digital literacy
- Social integration by fostering equity, inclusivity, and active community participation

Our work is deeply rooted in Odisha's values, yet guided by modern, future-ready frameworks for sustainable development.

What We Stand For:

- Inclusivity: Uplifting marginalized communities
- Collaboration: Working hand-in-hand with citizens, local bodies, and institutions
- Sustainability: Building models that last
- Innovation: Driving change with scalable, tech-enabled solutions

EXECUTIVE SUMMARY

Background:

The Next Gen BioSummit 2025, held in Bhubaneswar on 9th June, marked a historic milestone for the state of Odisha. With participation from 25 nationally and internationally recognized biotech experts, industry leaders, researchers, and policy advisors, the summit served as a launching pad for shaping Odisha's biotechnology landscape and aligning it with India's \$300 billion bio economy vision for 2030

Objective:

To chart a concrete roadmap that enables Odisha to emerge as a leading state in the Indian biotech sector by leveraging its academic institutions, industrial capabilities, natural resources, and talent pool, while building strong public-private partnerships.

Panels organized:

The summit featured a series of high-impact panel discussions and expert-led sessions, each focused on shaping Odisha's biotechnology roadmap through collaborative insights

- Policies and Infrastructure in Biotech Industry: Innovation Insights & Infrastructure Perspectives
- Blue Economy - Based on Odisha's Bio Policy theme
- Engaging Young Minds in Biotech Industry - Importance of human capital in driving innovation and growth in the biotech industry
- Entrepreneurial Journey in Biotech ecosystem Special Talk by Experts;

KEY TAKEAWAYS

- 1) To collaborate with industry leader to access platform technologies
- 2) To focus on emerging biotech areas like cell & gene therapy, and biomanufacturing
- 3) For skilling, needs assessment to be done at school level in rural Odisha
- 4) Odisha government granted INR 1113 crores for setting up advanced R&D infrastructure.
- 5) To focus on setting up biomanufacturing infrastructure
- 6) Collaborate with ISRO, space tech company leader, space tech startups to encourage biotech startups focused on space tech.
- 7) To create industry ready curriculum for students at undergraduate, graduate, and postgraduate levels
- 8) Explore opportunities to become the leader in blue economy focusing on sea weeds, minerals, wave energy etc.
- 9) To encourage students to establish startups thereby becoming job providers instead of job seekers by supporting them with incentives, programs, funding, and infrastructure for startups

KEY TAKEAWAYS

10) Current challenges being faced by the biotech industry are unavailability of skilled human capital, insufficient spending & focus on R&D, and availability of finance or funding.

11) Updation of the state's biotech policy: To adopt best practices by performing gap analysis and benchmarking with other leading states in India and leading global countries. Odisha to provide clear guidelines, on the ground support, and financial support to the industries. This will help in attracting investments. To focus on upgrading the curriculum of the leading universities/institutes in consultation with the industry.

12) To encourage biotech ideas or biotech companies to generate wealth from waste.

13) If possible, look at the possibility of setting up an integrated infrastructure in a single place so that students can graduate, start their startups, scale-up, and access commercial manufacturing facilities.

KEY RECOMMENDATIONS

1. **Center of Excellence (CoE):**

Establish a dedicated Biotechnology CoE in Bhubaneswar focused on biopharma, agri-biotech, bioenergy, and bioinformatics, serving as a hub for R&D, training, and incubation.

2. **Plug-and-Play Infrastructure:**

Develop bio manufacturing and scale-up facilities to attract CDMO/CRAMS players and enable startup-to-scale transitions.

3. **Skill Development:**

Integrate biotech-focused modules into school, undergraduate, postgraduate, and skill training curricula through collaboration with World Skill Center, RDWU, and industry experts.

4. **Policy Promotion:**

Showcase Odisha's biotech policy as a national and global model by highlighting its strengths and fostering continuous improvement. Promote it through strategic outreach, industry consultations, and alignment with global best practices. Offer targeted incentives and on-ground support to attract investments and drive innovation.

5. **Launch Bio Innovation Missions:**

Set up 3 pilot biotech clusters with convergence around coastal bio resources, tribal agro-biodiversity, and renewable bioenergy solutions.

CALL TO ACTION

The Next Gen BioSummit 2025, initiated by Vikashita Odisha Trust, stands as a landmark effort in Odisha's journey toward biotech leadership. By convening India's foremost experts across disciplines, the summit demonstrated the power of civil society-led collaboration in shaping the state's bioeconomic future.

This initiative has laid the groundwork for a visionary roadmap—one that blends expertise, innovation, and inclusivity. To take this forward, the following next steps are proposed as part of a committed, consultative approach:

- **Establish the Odisha BioFuture Mission Taskforce**, with representation from summit experts and advisors, to guide the long-term strategy and its execution.
- **Catalyze early momentum through seed funding and institutional support** for developing the Center of Excellence and activating the proposed biotech pilot clusters.
- **Appoint dedicated nodal officers to coordinate engagement** across departments, academia, and industry, ensuring sustained collaboration and delivery.
- **Convene high-level follow-up roundtables** with key government departments, academic institutions, industry bodies, and innovation stakeholders—building on the goodwill and credibility generated through this summit to co-create a time-bound action plan.

It is a collective movement, backed by some of the finest minds in biotechnology, and rooted in Odisha's potential to lead nationally and globally. The BioSummit's success reflects not only technical vision but also the trust's commitment to driving meaningful, people-centered progress.

GLOBAL ENGAGEMENT POSITIONING ODISHA AS A BIOTECH HUB

Gaining Global Insights and Enhancing Odisha's Biotech Presence

To elevate Odisha's standing in the global biotech landscape, it is crucial to expand its engagement with national and international biotech communities. The following strategies are proposed:

International Study Tours for Policymakers and Researchers

Organizing study tours for key stakeholders, such as policymakers, researchers, and industry leaders, will allow them to gain insights from leading biotech hubs worldwide. These tours will help identify global trends, cutting-edge technologies, and best practices, which can be leveraged to refine Odisha's biotech policies and strategies.

Biotech Conclaves and Global Outreach Forums

To sustain momentum and amplify Odisha's presence on the national and global biotech map, it is proposed to host annual flagship biotech conclaves in Bhubaneswar and other key cities across the state. These conclaves will serve as convergence platforms for scientists, entrepreneurs, policymakers, and investors—enabling rich knowledge exchange, networking, and deal-making.

In addition, multi-city roadshows and strategic partnerships with leading biotech forums across India and globally will be pursued to promote Odisha's biotech vision, attract investments, and foster bilateral collaborations. By actively engaging with global thought leaders and institutions, Odisha can solidify its position as an emerging innovation hub in biotechnology.

By actively participating in global biotech events and hosting high-profile international gatherings, Odisha can accelerate its integration into the global biotech ecosystem, gaining valuable insights and opportunities for innovation and growth.

FOSTERING ACADEMIC COLLABORATIONS FOR ODISHA'S BIOTECH GROWTH

Strengthening Academic and Industry Partnerships in Odisha's Biotech Sector

- **Academic Collaborations** : To drive innovation and research, it is crucial to establish partnerships with renowned academic institutions. By collaborating with leading research organizations and top-tier international universities, Odisha can harness cutting-edge research, provide students with access to world-class education, and build a pipeline of talent for the biotechnology sector.
- **Industry Collaborations** : Building strong industry ties is key to transforming research into real-world applications. Odisha can attract global biotech companies to establish research and production units within the state. This will foster a thriving ecosystem where academic research aligns with industry needs, promoting knowledge exchange, innovation, and economic growth. Engaging with multinational biotech firms will also position Odisha as a competitive player on the global biotech map.

These collaborations will help create a dynamic and integrated biotech ecosystem, enhancing both research capabilities and commercial outcomes for the state.

UPSKILLING ENGAGEMENTS FOR FUTURE READY WORKFORCE

Building a Thriving and Sustainable Biotech Ecosystem in Odisha

To build a sustainable biotech ecosystem in Odisha, several key initiatives must be implemented

Promotion of S&T Student Programs

Introduce science and technology skill set using ARTIFICIAL INTELLIGENCE at school and intermediate levels to pursue biotech and life sciences degrees, encouraging them to contribute to the sector's growth

Center of Excellence

Establish a dedicated research hub focused on Odisha's unique biodiversity, driving innovation in sectors like agriculture, marine and environmental biotech

Hackathons and Innovation Challenges

Organize hackathons to tackle local challenges such as agricultural biotech solutions and healthcare innovations, fostering community-driven research

Skill Development

Develop training programs aligned with industry needs, similar to successful biotech training schools, to equip students with practical skills that match market demands.

By implementing these initiatives, Odisha can lay a solid foundation for a sustainable and innovation-driven biotech ecosystem.

DETAILS OF KEY PEOPLE GUIDED AND GRACED NEXTGENBIOSUMMIT

NAME	DESIGNATION
Dr. Debasis Dash	Director, DBT-ILS Bhubaneswar
Dr. Ramanuj Narayan	Director of CSIR-IMMT Bhubaneswar
Prof Santosh Kumar Tripathy	Vice-Chancellor, F.M. University, Balasore, Odisha
Dr. Pravakar Mohanty	Scientist E, Department of Science and Technology, New Delhi
Dr. Nivedita Jena	Chief Operating Officer, Biotech Incubator, ILS, Bhubaneswar
Dr. Prabodh Mohanty	President, UCCIL Bhubaneswar
Dr. Sanjeev Mohapatra	Secretary, UCCIL Bhubaneswar
Dr. Sasmita Mohanty	Dean, Faculty of Science and Technology, Rama Devi Women's University, Bhubaneswar
Dr. Basudeba Kar	Associate Professor, Center for Biotechnology, SOA University

DETAILS OF KEY PEOPLE GUIDED AND GRACED NEXTGENBIOSUMMIT

NAME	DESIGNATION
Chella Pandian Pitchai	<ul style="list-style-type: none">• Biocon Biologics Global Head -Diversity, Equity & Inclusion Culture & Values Talent Sustainability
Dr. Shrikumar Suryanarayan	<ul style="list-style-type: none">• Managing Director, Sea6 Energy Pvt Ltd• Hon. Adjunct Professor Indian Institute of Technology, Madras• Hon. Executive Director Centre for Cellular and Molecular Platforms (C-CAMP)• Hon. Director General ABLE - Association of Biotechnology Led Enterprises
Dr. Goutam Das	<ul style="list-style-type: none">• Senior Scientist, Astra Research Centre India (later AstraZeneca R&D Bangalore) – 1988• Chief Operating Officer (COO), Syngene International Pvt. Ltd. – 1994 to 2010• Member, Biocon Senior Management Team• Board Member, Premas Biotech Limited, Gurugram• Senior Advisor, Medicines for Malaria Venture (MMV), Switzerland• Senior Advisor, TojoVikas Pvt Ltd, Bangalore• Advisor, Biomoneta, Bangalore• Associated, TCG Lifesciences (TCGLS) – Since 2011

DETAILS OF KEY PEOPLE GUIDED AND GRACED NEXTGENBIOSUMMIT

NAME	DESIGNATION
Dr Indraneel Ghosh	<ul style="list-style-type: none">• Country Manager, Vector Biomed and Caring Cross (CAR-T Cell Therapy), India• Ph.D. & Postdoctoral Studies in Neurosciences, Weizmann Institute of Science, Israel• Senior Research Scientist, Glenmark Pharmaceuticals• Deputy General Manager – Discovery Biology, Sun Pharma Advanced Research Company Ltd.• Key Accounts Director, Orgenesis Inc
Prof. Moni Madaswamy	<p>Professor Emeritus and Chairman (CAIRS, CADMS, CIDS & CITSA)</p> <p>Former Director General at National Informatics Center, Government of India</p>
Nelson Vadassery	<p>Cofounder & CEO at Sea6 Energy Indian Institute of Technology, Madras Integrated M.Tech and B.Tech, Biotechnology</p>
Nikhitha Chadde	<p>Co-founder and Director, Genex Space, Ambassador, Section for Science & Technology, French Embassy in India Trustee, Society for Space Education Research and Development (SSERD)</p>

DETAILS OF KEY PEOPLE GUIDED AND GRACED NEXTGENBIOSUMMIT

NAME	DESIGNATION
Dr. Venkata Subbarao Kolli	<ul style="list-style-type: none">• Founding Partner, AgVaya, Agri Informatics,• Corteva Agriscience, President, Africa Middle East,
Jagmohan Satishchandra	<ul style="list-style-type: none">• Independent Project Manager at Site-Mars Petcare for TTPL, Thailand• Senior Vice President - Engineering & Projects, Stelis Biopharma• Ex: Vice President - Projects Kemwell Biopharma
Dr. Mukesh Patel	<ul style="list-style-type: none">• Director at Agriland Biotech Ltd• Project Manager Alembic Pharmaceuticals Limited• Policy Advisor for S&T Dept. GOG.
Mateen Abdul	<ul style="list-style-type: none">• CEO and Co-Founder at Grassroots Energy Inc• Emergence BioEnergy Inc. Director of Strategy and Business Dev.
Sunil G Acharya,	<ul style="list-style-type: none">• Senior Consultant Strategic Initiatives (SFAL), Govt. of Karnataka• Senior advisor• Karnataka Digital Economy Mission (KDEM)

DETAILS OF KEY PEOPLE GUIDED AND GRACED NEXTGENBIOSUMMIT

NAME	DESIGNATION
Sushant Banerji	Winner Of ET NOW Leaders Of Tomorrow Founder & CEO at Orthotech India Pvt Ltd
Nikam Dr Ganesh	Founder Innovator and Director Medulla Recruitment Services Pvt Ltd- Biojobz Founder Director Vigalife Vigalife Biopharma Pvt Ltd
Dr.Girish Mahajan	Ph.D, FSAB, FMBSA Senior Vice President at HiMedia Laboratories Pvt. Ltd
Dr. Venkatesh Poojari	M.S (Pharm), MBA, Ph.D, Associate Vice President - Business Consulting-Ernst & Young
Sujay Sreedhar	50 Rising Stars of 2021, Geospatial Co-Founder & Chairman, Society for Space Education Research & Development (SSERD) CEO of Genex.Space
Viresh Sheth	Director & Joint Owner Shriyata Lifetech Private Limited Senior Director Projects & Engineering Mylan Laboratories Limited General Manager - Projects & Engineering Biocon

HIGHLIGHTS

Infrastructure Components for Biotechnology Industrial Park

- Research & Innovation space for Biopharma and MedTech
- Incubation Centre for biotech startups
- Scale-up and pilot production facilities
- Zones for emerging and future technologies
- Intellectual Property Rights (IPR) advisory support
- Skill development and training infrastructure
- Finishing school for undergraduates
- Training halls and collaborative spaces
- Employee residential zone (min. 5 km from park perimeter)

Policy and Operational Framework Considerations

- Investment promotion and ease of doing business
- Taxation and duty-related incentives
- Local manpower employment strategies
- Single-window clearance for statutory approvals
- Regulatory approval support and liaisoning
- Defined lease terms and access to shared infrastructure
- Supportive startup ecosystem and related policies

Master Planning Expertise : Jagmohan Satish Chandra & Viresh Sheth

Organizations Expressing Investment Interest in Odisha

- Orthotech India Pvt Ltd
- Sea6 Energy
- Agriland Biotech
- Grassroot Energy

HIGHLIGHTS

Centres of Excellence (CoEs) Expressing Interest

Bio-Agriculture	Dr. Mukesh Patel Cofounder, Director Agriland Biotech Ltd.
Biofuels	Mr. Abdul Mateen CEO, Grassroot Energy
Cell & Gene Therapy	Dr. Vakati Sreedhar MD, Dr. Remedies
Amrita Research Center, Delhi (To Confirm Upon Invitation)	Prof. Shanti Nair Dean, ARCD
Space Experience Center	Nikhita Chandde GenX Space

Skill Development Proposals

- BioJobz Training and Recruitment – Biotech-specific training and industry-aligned skilling programs
- Proposal for establishing a Bio Finishing School in collaboration with academia and industry
- **Nikam Dr. Ganesh** Managing Partner and DIRECTOR at Biojobz-RELIQUOUS VENTURES INDIA
- Guidance By **Chella Pandian Pitchai**, Most Fabulous HR Leader of the World, By World HRD Congress

PARTNERS

NEXTGEN BIOSUMMIT 2025

KNOWLEDGE PARTNER



STRATEGIC PARTNER



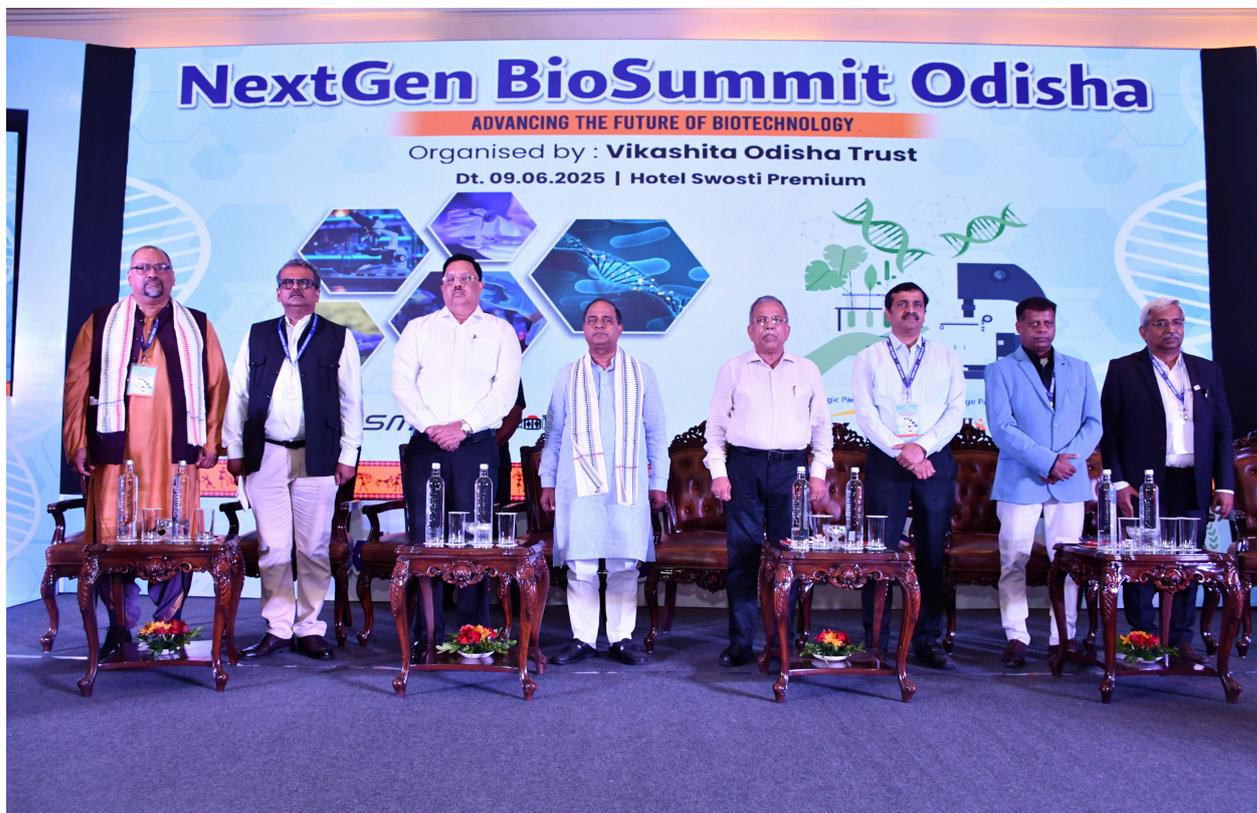
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OUTREACH PARTNER



GLIMPSES FROM NEXTGEN BIO SUMMIT 2025



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KEY PARTNERS FOR NEXTGEN BIOSUMMIT 2025



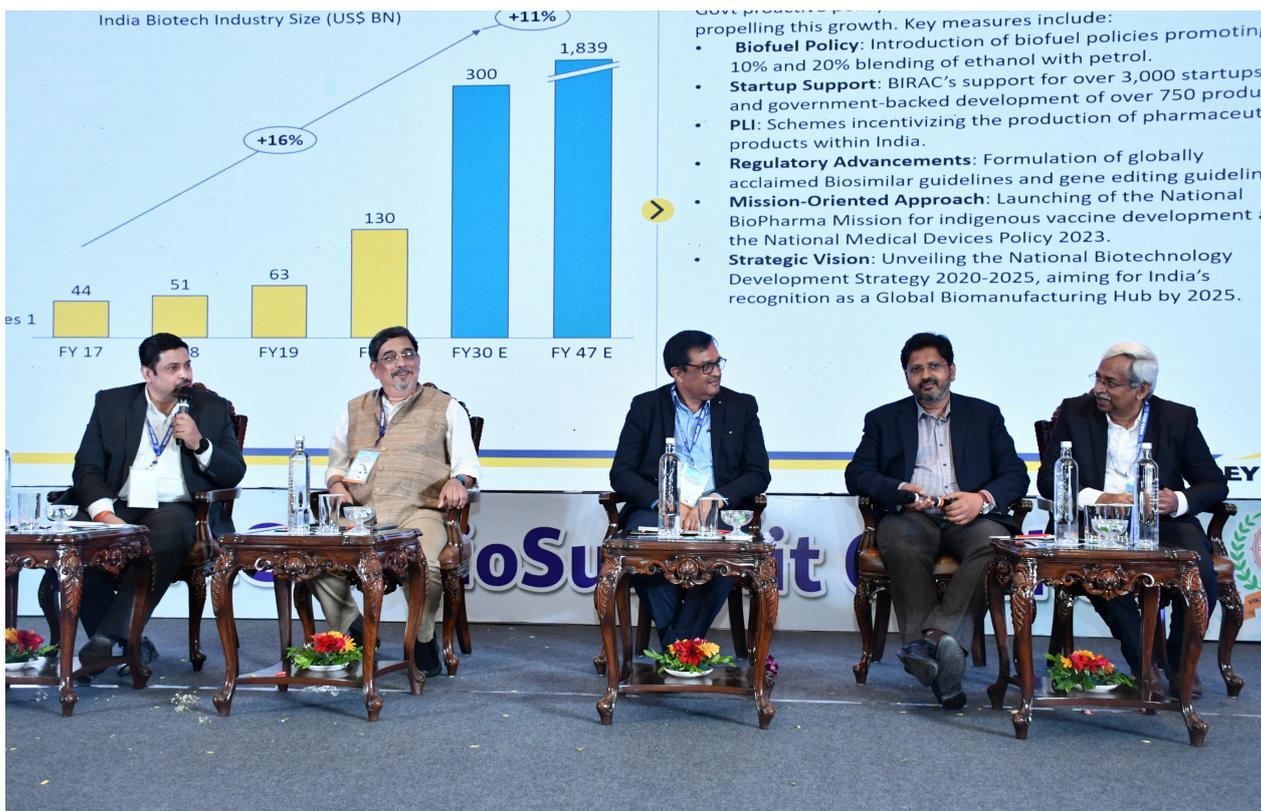
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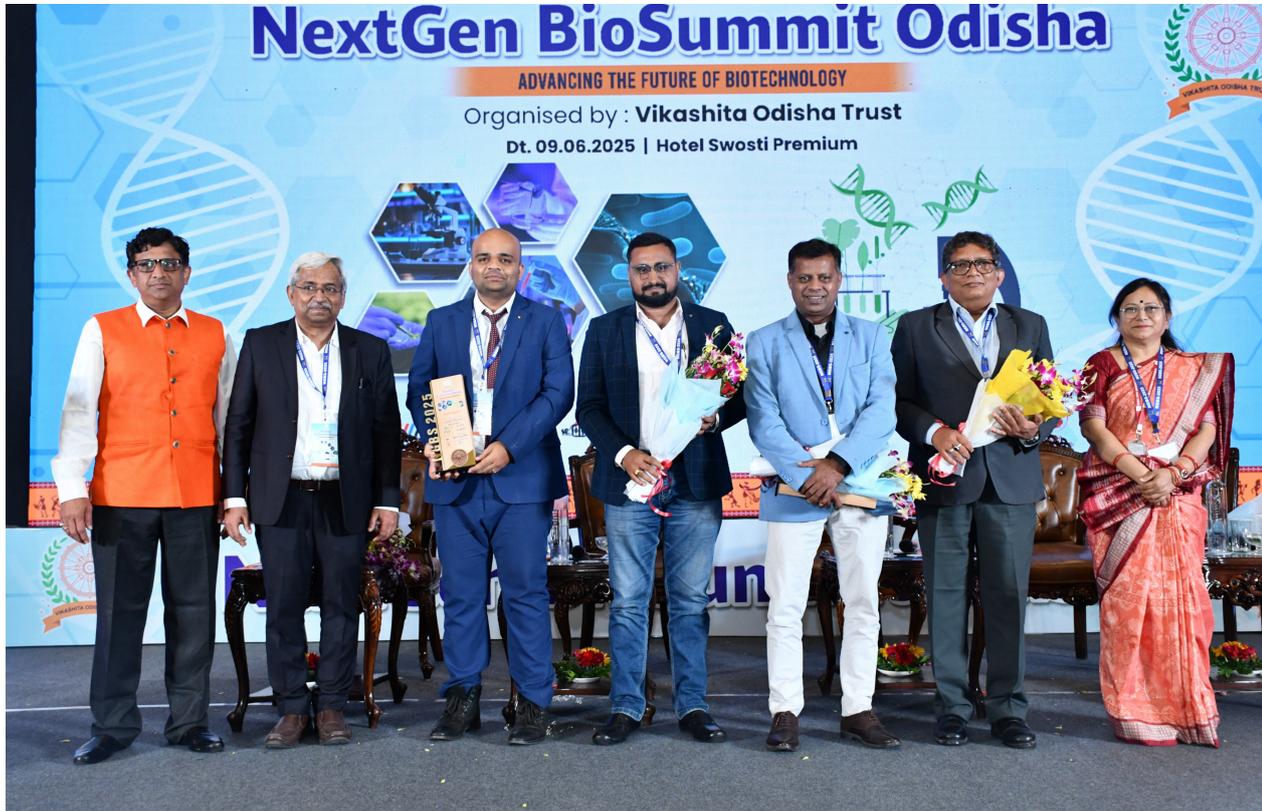
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GOVERNING COUNCIL

VIKASHITA ODISHA TRUST

NAME	About
Dr. Pintoo Ganguly	<p>Industry Veteran - Life Sciences and Specialty Chemicals sectors over 30+ years' experience in R&D, Manufacturing & P&L roles.</p> <ul style="list-style-type: none">• P&L Head & General Manager - Lab Operations,• Sigma-Aldrich comprising Chemistry & Oligo verticals,• Site Director - Merck Life Science. Five plus Head of Chemical Manufacturing - ICI India Ltd, Specialty Chemicals.• Research Manager & General Manager in Life Science, Pharma, CRAMS and Specialty Chemicals industry.
Ramanan Vaidyanathan	<p>Industry Veteran – Education Leadership, Academic Administration, Infrastructure & Training</p> <ul style="list-style-type: none">• Special Joint Director – Academic Excellence, KREIS, Govt. of Karnataka• President of RYLA Academy (Rotary International)• CEO at Ladder Consultancy Services Pvt Ltd
Abhik Biswas	<p>Industry Veteran - Technology Industry Digital Executive, Business Leader and Technology Strategist. Official member Forbes Technology Council COO, CO-Founder Prakat Solutions</p>

TRUSTEES

VIKASHITA ODISHA TRUST

Pradipta Kumar Bahiniipatii
President, Vikashita Odisha Trust

Sameer Kanta Padhii
Secretary, Vikashita Odisha Trust

Jyoti Ranjan Kansa
Treasurer, Vikashita Odisha Trust

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