Terpedia, LLC

Pitch Deck

Press Space for next page →

The Problem

The Problem

Fragmented Ecosystem

- Multiple disconnected databases

- No unified search platform

- Manual data correlation

- Missing structure-function links

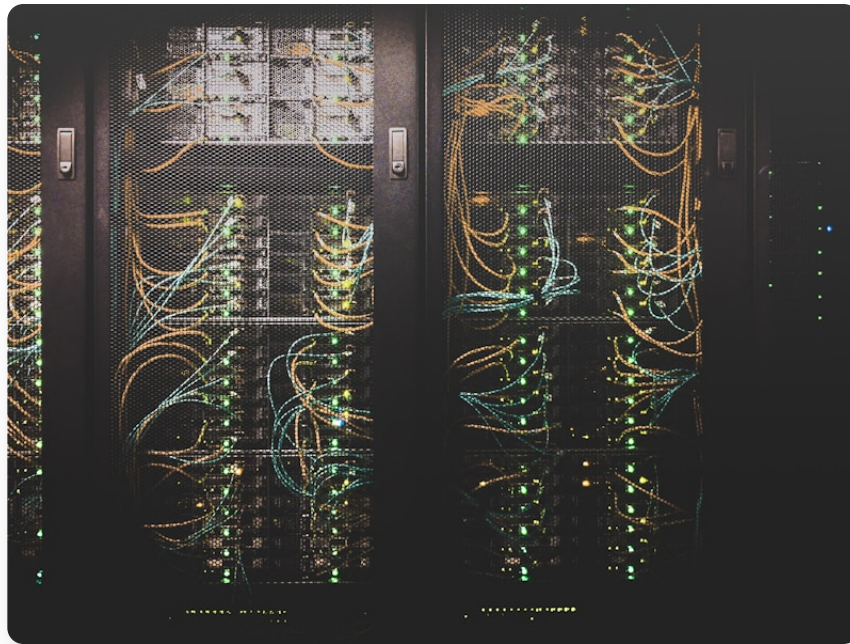**Result**: Hours wasted manually connecting terpene structures to therapeutic effects

Our Solution

Terpedia: The Solution

Unified Platform

- **70,000+ compounds** integrated
- **Single query** across all databases
- **AI-powered** insights
- **Structure → Function** mapping

One platform. One query. Infinite insights.

Market Opportunity

Market Opportunity

Market Size

- **Cannabis Market**: $57B by 2030
- **Essential Oils**: $15B+ market
- **Aromatherapy**: $4.2B market, 8.5% CAGR
- **Functional Foods**: $275B+ market
- **Pharmaceutical R&D**: $200B+ industry
- **Research Tools**: $10B+ market

Growth Drivers

- Cannabis legalization expanding globally
- Natural product research increasing
- Functional flavors trend in food & beverage
- Evidence-based aromatherapy demand
- AI/ML adoption in drug discovery
- Precision medicine demand
- Terpene therapeutic research growth

Product & Features

Functional Flavors & Aromatherapy

The Connection

Molecular Structure
↓
Biological Activity
↓
Therapeutic Benefit

Applications

- Anti-inflammatory

- Mood enhancement

- Pain management

- Sleep quality

From traditional aromatherapy to molecular precision

Our Platforms

terpedia.com

WordPress Platform

Content Hub

- Article publishing
- Case studies
- User profiles
- SEO optimized

Integration

- Knowledge base APIs
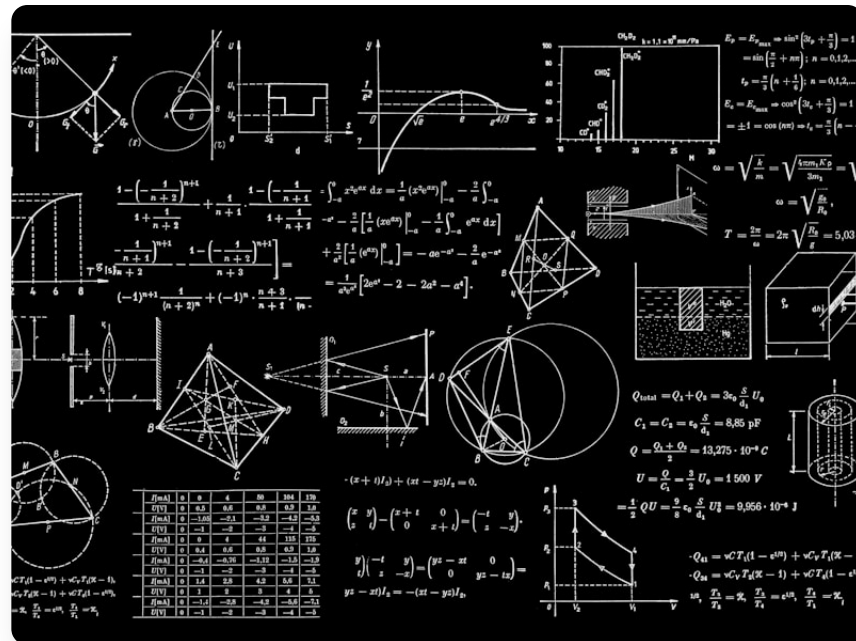- Real-time data
- Search & discovery

kb.terpedia.com

Biochemical Knowledge Base

Core Platform

- SPARQL Endpoint
- RDKit API
- Functional Flavors Engine
- AI Analysis

Data Sources

- 70,000+ compounds
- FooDB, FlavorDB, HMDB
- Clinical trials
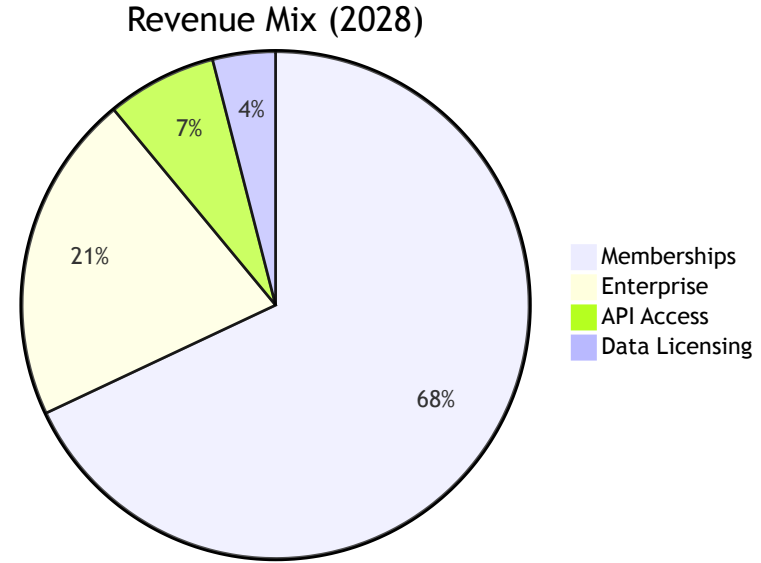- Essential oils databases

Key Features

Business Model

Business Model

Revenue Streams

- **Memberships** (67%)
- **Enterprise** (21%)
- **API Access** (7%)
- **Data Licensing** (4%)
- **Consulting** (1%)

Pricing: Free tier → $49/month (Aromatherapist) → $99/month (Researcher) → Enterprise (custom)

Revenue Mix (2028)

Traction & Milestones

Traction & Milestones

✅ Completed

- **70,000+ compounds** integrated
- **6 major databases** connected
- **Functional Flavors** framework
- **AWS infrastructure** deployed
- **Production-ready** APIs
- **MCP server** for AI

Team

Our Team

Leadership

- **CEO**: Susan
- **CTO**: Dan
- **Scientific Advisors**: Biochemistry experts

Expertise

- **Biochemical Knowledge**: Deep terpene research background
- **Technical Stack**: SPARQL, RDF, Python, FastAPI, Docker
- **Data Engineering**: Large-scale database integration
- **AI/ML**: LLM integration, NLP, knowledge graphs

Financials & Ask

Financial Projections

2026 (Year 1)

- **Revenue**: $180K
- **Members**: 500
- **Enterprise**: 2
- **Q1 Launch**: Website + memberships
- **Q2-Q4**: API access, data licensing

2027 (Year 2)

- **Revenue**: $850K
- **Members**: 2,500
- **Enterprise**: 8
- **Growth**: 372%
- **Profitability**: Q4 2027

2028 (Year 3)

- **Revenue**: $2.8M
- **Members**: 8,000
- **Enterprise**: 25
- **Growth**: 229%
- **ARR**: $3.2M run rate

Revenue Breakdown (2026-2028)

2026 Revenue Streams

- **Memberships**: $120K (67%)
  - 500 members × $20/month avg
- **API Access**: $30K (17%)
  - Researcher tier subscriptions
- **Enterprise**: $20K (11%)
  - 2 enterprise customers
- **Data Licensing**: $10K (5%)
  - Initial dataset contracts

2028 Revenue Streams

- **Memberships**: $1.9M (68%)
  - 8,000 members × $20/month avg
- **Enterprise**: $600K (21%)
  - 25 enterprise customers
- **API Access**: $200K (7%)
  - Premium API subscriptions
- **Data Licensing**: $100K (4%)
  - Expanded licensing deals

Investment Ask

$2-3M Seed Round

Use of Funds:

- Product Development (40%)
- Data Acquisition (25%)
- Team Expansion (20%)
- Infrastructure (10%)
- Marketing (5%)

Expected Outcomes

18 months (by Q2 2027):

- Website launch Q1 2026
- 1,000+ active members
- 8+ enterprise customers
- $850K ARR
- Series A ready

Next Steps

Next Steps

Product & Data

- Expand Functional Flavors database
- Build Aromatherapy engine
- 3D molecular visualization
- Clinical trials integration
- Real-time article updates

Go-to-Market

- Beta launch Q1 2026
- Research institution partnerships
- Cannabis & wellness partnerships
- Conference presentations
- Complete seed round

Thank You

Questions?

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