

**A White paper** for the establishment of the world's 1<sup>st</sup>  
**DECENT**ralized **Database** of research materials and  
the promotion of research culture

# DECENT Database

## Decentralized Research Database

November 2021

Brisbane, Australia

[www.decentdatabase.com](http://www.decentdatabase.com)

*Version 2.0*

## ABSTRACT

For far too long, the management and libraries of many countries have had limited access to mainstream databases such as Wiley, Scopus, Science Direct, Web of Science, PubMed, etc. due to cost implications and inadequate funding. The affected nations are often cut off from contemporary trends in the world of science. Consequently, there is a gap in the scientific community between developed, developing, and underdeveloped countries. Bridging this gap to consolidate knowledge and enhance science across the globe are issues that spurred the establishment of DECENT Database.

DECENT Database is an Australian-based initiative, born out of the love for science, with the primary aim of decentralising the peer-to-peer review of scientific research articles. The idea is to enhance access to empirical research materials around the globe, with concessions to underdeveloped and developing nations. The current project addresses cost and research accessibility issues through a carefully designed operational model that offers open access publishing at relatively low costs in addition to an alternate subscription-based model that provides royalties to registered authors. We believe that the current lack of incentives for content creators who are rather asked to pay 'huge publication fees' for works that eventually get sold to universities and industries in developed countries is a great disservice that requires intervention. Thus, the proposed reward to researchers is an acknowledgement of the time and effort devoted to disseminating scientific knowledge. The modifications proposed by DECENT database against the traditional research culture, are scientist-centric—tailored towards increasing the scientific exposure of researchers and rewarding them appropriately. It is hoped that our models will stimulate interest in science and stir up research and development in a way that bridges the gap between the underdeveloped, developing, and developed nations.





## OUR VISION

Our vision is to promote empirical research in developing countries, bridge the scientific gap between the developed and developing nations in terms of the conduct of research in contemporary times, and reward hard work. In bridging the gap, we are committed to offering sponsorships to researchers from across the globe to connect with the brightest minds in the field of science. The researchers chosen for support will be selected based on their potential contribution to the world of science.

DECENT Database proposes scientist-centric modifications to the traditional research culture by promoting the exposure of researchers and rewarding them appropriately. Our models for scientific research and publications are designed to stimulate interest in science and encourage translational research.

Conferences will be organised periodically where researchers and scientists will converge to discuss new and emerging technologies. We expect this opportunity will encourage participation in research and development.



## OUR MISSION

Our mission is to develop a decentralised database, which consists of a series of research journals that are affordable, rewarding, and accessible to people across the globe. Emphasis will be placed on Africa, Asia, and Australia, where efforts are ongoing to mentor undergraduates into researchers.

In time, the Database will be enriched with innovative and revolutionary articles following a thorough vetting and peer-review process conducted by renowned authorities in their fields. If an article is accepted for publication, authors will be rewarded via a well-structured, continuous reward system.

Our objective is to disseminate research articles by increasing affordability and attracting a worldwide audience.

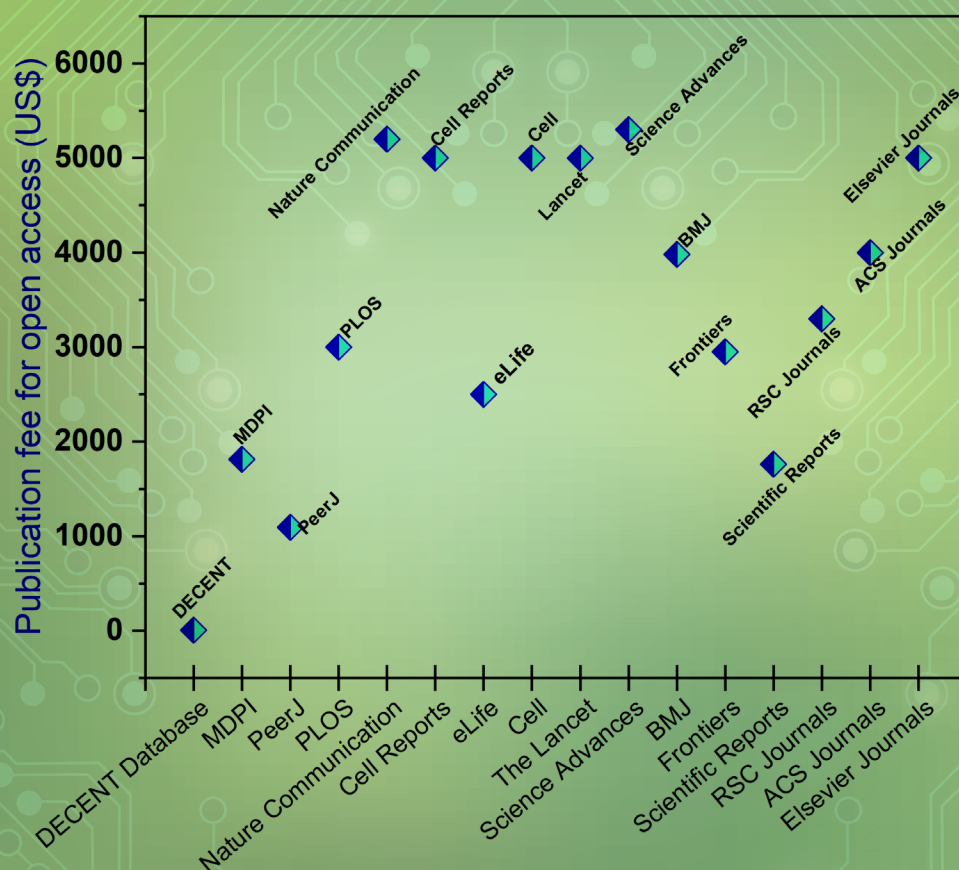
## THE PROBLEM

Contemporary research databases including Wiley, Scopus, Science Direct, PubMed, Royal Society of Chemistry, American Chemical Society, and Web of Science are saddled with the responsibility of producing relevant scientific content to an audience of researchers. To achieve this aim, these databases partner with impactful journals where scientific content is screened and peer-reviewed before publishing. However, processing a manuscript for publication in such outfits often leaves the author(s) with a number of avoidable non-scientific issues. For instance, it becomes the duty of the author(s) to identify journals that are indexed in popular databases. Subsequently, manuscripts are subjected to an expensive peer-review process for which the only benefit to the author(s) is enhanced research visibility. In many cases, the research content is also locked in a way that forces potential users to pay for access. These approaches pose financial problems and often distract scientists from the overall core empirical and scientific focus on research. Thus, the contemporary database platforms exert immense financial stress on researchers, particularly in developing and underdeveloped countries,<sup>[1,2]</sup> and the pressure is exerted without commensurate incentives.

Relief interventions by organisations such as Research4Life have been useful in ameliorating this financial burden.<sup>[3,4]</sup> Research4Life, which is a conglomerate of scientific and humanitarian bodies, provides financial subsidies for the cost of accessing expensive databases and journal platforms.<sup>[4]</sup> It is believed that this subsidy would reduce the knowledge gap between low income and high-income countries. While this effort is highly commendable and encourages the acquisition of knowledge, the cost of direct scientific participation through conducting experiments and publishing is unaffected, thus moving scientists from the focus of identifying and solving scientific problems to amassing funds to use for expensive publication.

Figure 1 puts some of these values in a relative pictorial perspective. In reference to this data, the low publication and access fees proposed by DECENT database confirms the relief our innovative model would bring to researchers in developing and underdeveloped countries through a decentralized database system that rewards passion in consideration of researchers' income and limited access to research grants.





**Figure 1.** DECENT database offers the most affordable cost of publication

DECENT also recognises that a major limitation to conducting empirical research in developing and under-developed nations is access to equipment, which ultimately affects research quality. Globally, technology is evolving at a high pace and the developed nations have the advantage of first use due to the availability of funds. For instance, cutting edge equipment like high-resolution transmission electron microscopy ranges between 1 to 2 million US dollars, which is unaffordable for universities in developing and underdeveloped nations. Furthermore, the yearly maintenance cost of such equipment will be unbearable for researchers in those countries.

The advantage of access for researchers in developed nations to such facilities aids critical reasoning and increases the translational impact of research on the community—characteristics that are highly valuable to peer-review scientific journals. The scenario is different in climes with few research grants, low incomes, and poor socioeconomic situations. Researchers in such places often depend on obsolete technology, which is unattractive to standard scientific journals. Alternatively, some researchers opt to pay exorbitantly to employ foreign expatriate services. The next section highlights a proposal called DECENT Hub wherein lies a roadmap to ameliorate this problem.

## PROPOSED INTERVENTION

In order to solve the aforementioned issues associated with the contemporary research databases, DECENT Database aims to develop an accessible and affordable research journals' platform, where researchers from all over the world, including the developing and underdeveloped nations, can easily access research materials. Authors will no longer need to pay exorbitant publication fees, rather they will continually be rewarded for their effort on any article published on DECENT Database.

DECENT Database aims to revolutionise the research industry through the use of a system that rewards authors for the efforts of producing scientific articles and the peer-review processes, respectively. The novelty of this concept lies in encouraging participation in science by adopting a model that allows authors to rip dividends from the impact of accepted articles through a continuous token (DECENT coin) reward system.

Accepted articles will be those that have been thoroughly peer-reviewed by authorities within the area of expertise. The continuous token reward system will be a system of accruing dividends per audience subscription of a particular article published on the DECENT Database platform. The establishment of an affordable scientific database for researchers and potential authors, the process of incentivising author(s), and granting free access to the reviewer(s) would decentralize the research database in an affordable and rewarding manner that guarantees accessibility from all over the world.

**Figure 2** shows the schematic representation of the peer-to-peer review process and the reward system of DECENT database. Upon submission, an initial manuscript assessment will be carried out by our internal editorial staff. This assessment will include checks for plagiarism, grammatical consistencies/inconsistencies, and adherence to the journal's instructions to authors.

The assessment will also ascertain that the manuscript is within the scope of the DECENT Database. Suitable manuscripts will then be sent out by an Editor, to three independent expert reviewers for a single-blind peer-review of the scientific content. If accepted, the manuscript will be published on the DECENT Database, and authors will be continually rewarded based on the number of times their article is accessed.



**Figure 2. DECENT database is committed to a thorough peer-review process.** The figure is a schematic representation of the peer-to-peer review process and the reward system of DECENT database.



## PRODUCT AND USE CASE OF \$DECENT TOKEN



- **DECENT Journal**
  - Scientific Research Papers are published at extremely low price using
  - Continuous Reward for Authors with \$DECENT token after every 200 Upvotes
  - Continuous Reward for Reviewers and Editors with \$DECENT token
  - All published articles will undergo a thoroughly peer-review
  - A Decentralized social media for researcher to interact
- **DECENT Research Grants**
  - 5 Billion \$DECENT tokens per month to support Student Research
  - Hold at least 1 Billion \$DECENT tokens for at least 2 weeks to qualify
  - 1 winner receive 5 Billion \$DECENT tokens on the 1st of every month
  - The winner prize is subject to change as the price of \$DECENT token grows
- **DECENT Scholarship**
  - 1 Billion \$DECENT tokens per month to support Student Research
  - Hold at least 200 Million \$DECENT tokens for at least 2 weeks to qualify
  - 1 winner receive 1 Billion \$DECENT tokens on the 15th of every month
  - The winner prize is subject to change as the price of \$DECENT token grows
- **DECENT Hub**
  - State-of-art Scientific Research Hub
  - Access to Scientific Research Equipment at extremely low fee
  - Support from participating Universities
- **DECENT Scientific Marketplace**
  - P2P Scientific Marketplace
  - Support with the transportation cost of donated free equipment to their new owners
  - Buy and sell any scientific equipment freely in our Marketplace
  - Trade with \$DECENT token and pay transaction fee of 2.5%
  - Trade with BNB, BTC or ETH and pay transaction fee of 5%
- **DECENT Wisdom Game**
  - Relaxation Centre within DECENT Database
  - Database of Multiple Choice questions
  - NFT (Suit, Shoe, and Hat) is required to sit on Hot Seat to play the Wisdom Game
  - For every correct question, an amount of \$DECENT tokens is won
  - Hold at least 200 million \$DECENT tokens to access the Wisdom Game
  - Every correct answer is solely dependent on individual intelligence
  - Pay for the BSC gas fee and stand the chance to win at least 3 times the gas fee
  - A tax of 15% from every game won

Figure 3. Utility of \$DECENT tokens within the ecosystem



## 1. DECENT Journal

- ✓ Scientific Research Papers are published at an extremely low price
- ✓ Continuous Reward for Authors with \$DECENT tokens after every 200 Upvotes
- ✓ Continuous Reward for Reviewers and Editors with \$DECENT tokens
- ✓ All published articles will undergo a thorough peer-review
- ✓ A Decentralized social media platform for researchers to interact

## 2. DECENT Research Grants

- ✓ 5 billion \$DECENT tokens per month to support Student Research
- ✓ Hold at least 1 billion \$DECENT tokens for at least 2 weeks to qualify
- ✓ 1 winner to receive 5 billion \$DECENT tokens on the 1<sup>st</sup> of every month
- ✓ The winner's prize is subject to change as the price of \$DECENT tokens grows

## 3. DECENT Scholarship

- ✓ 1 billion \$DECENT tokens per month to support Student Research
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## 4. DECENT Hub

- ✓ State-of-art Scientific Research Hub
- ✓ Access to Scientific Research Equipment at extremely low fees
- ✓ Support from participating Universities

## 5. DECENT Scientific Marketplace

- ✓ P2P Scientific Marketplace
- ✓ Support with the transportation costs of donated free equipment to their new owners
- ✓ Buy and sell any scientific equipment freely in our Marketplace
- ✓ Trade with \$DECENT tokens and pay a transaction fee of 2.5%
- ✓ Trade with BNB, BTC, or ETH and pay a transaction fee of 5%

## 6. DECENT Wisdom Game(Play-and-Earn)

- ✓ Relaxation Centre within DECENT Database
- ✓ Database of Multiple Choice questions
- ✓ NFT (Suit, Shoe, and Hat) is required to sit on Hot Seat to play the Wisdom Game
- ✓ For every correct question, an amount of \$DECENT tokens is won
- ✓ Every correct answer is solely dependent on individual intelligence
- ✓ Hold at least 200 million \$DECENT tokens to access the Wisdom Game
- ✓ Pay for the BSC gas fee and stand the chance to win at least 3 times the gas fee
- ✓ A tax of 15% from every game won.

## PRODUCT AND USE CASE OF \$DECENT TOKEN



### 1. DECENT Journal

DECENT Database is revolutionising the research industry by implementing a points system that rewards authors for the effort of producing scientific articles. All articles will undergo a thorough peer-review by authorities in the area of expertise.

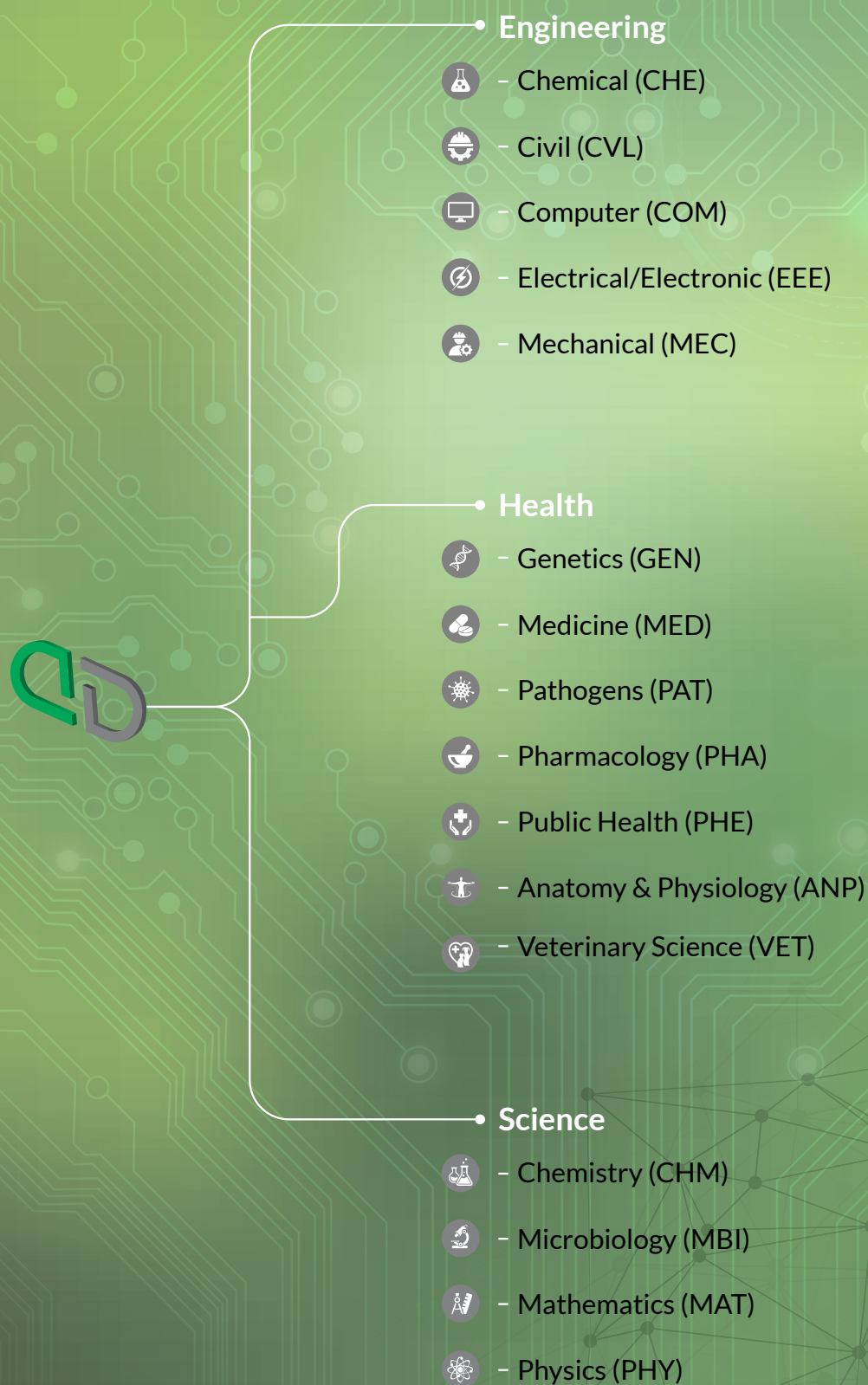
**Figure 3** shows the utility of \$DECENT tokens within the ecosystem. The model offers a one-off inexpensive article processing charge of 50,000,000 \$DECENT tokens once the manuscript has been accepted for publication. This is a novel concept that encourages participation in science. The model allows authors to reap dividends from the impact of accepted articles through a continuous reward system.

Authors will receive 5,000,000 \$DECENT tokens continuously after every 200 upvotes. This means that dividends will accrue via audience subscription of an author's article published on the DECENT Database platform. All authors and the general public have unlimited access to published content. Also, all published articles on DECENT Database can be freely used, provided proper citation is given.

DECENT Database is an international publishing peer-reviewed database, which consists of a series of research journals. DECENT Database accepts contributions as short communications, full research articles, and review articles. The DECENT research journals, under the platform of the DECENT Database, will focus on three major areas of Science, Engineering, and Health. A breakdown of the scheme and scope of the journals is presented in **Figure 4**. Please note that DECENT Database only accepts manuscripts in English.



## PRODUCT AND USE CASE OF \$DECENT TOKEN



**Figure 4.** Three major areas and scope of DECENT Journals. Please note that additional areas will be added as we expand.

## PRODUCT AND USE CASE OF \$DECENT TOKEN



### 2. DECENT Research Grants

- a. DECENT Database will support research and development around the world with a monthly donation of 5 billion \$DECENT tokens.
- b. To be eligible for this grant, investors of \$DECENT tokens must hold at least 1 billion \$DECENT tokens for at least 2 weeks.
- c. One winner will be selected randomly and presented with 5 billion \$DECENT tokens on the 1<sup>st</sup> of every month.
- d. Please note, the amount \$DECENT tokens for the research grant will be adjusted monthly based on the price appreciation of the tokens.



## PRODUCT AND USE CASE OF \$DECENT TOKEN



### 3. DECENT Scholarship

- a. Students from all around the world will be supported with a monthly Scholarship of 1 billion \$DECENT tokens.
- b. To be eligible for this grant, investors of \$DECENT tokens must hold at least 200 million \$DECENT tokens for at least 2 weeks.
- c. One winner will be selected randomly and presented with 1 billion \$DECENT tokens on the 15<sup>th</sup> of every month.
- d. Please note, the amount \$DECENT tokens for the scholarship will be adjusted monthly based on the price appreciation of the tokens.

## PRODUCT AND USE CASE OF \$DECENT TOKEN



### 4. DECENT Hub

- a. DECENT Database will establish several state-of-art Scientific Research Hubs around the world.
- b. Researchers from all around the world will have the opportunity to submit an application to access the use of world-class Scientific Research Equipment at extremely low fees using \$DECENT tokens.
- c. The Scientific Research Hubs will be maintained and managed by DECENT Database
- d. Participating Universities will have a role to play in supporting the vision of the project.



## PRODUCT AND USE CASE OF \$DECENT TOKEN



### 5. DECENT Scientific Marketplace

- a. To further support technology and innovation around the world, DECENT Database will establish a P2P Scientific Marketplace
- b. The sole aim of the P2P Scientific Marketplace is to allow the easy location of scientific equipment which will be donated free of charge to another research group.
- c. DECENT Database will help support the transportation costs to the new owner.
- d. Also, buying and selling of new and old scientific equipment can take place in our Marketplace
- e. Trade with \$DECENT tokens and pay a transaction fee of 2.5%
- f. Trade with BNB and pay a transaction fee of 5%

## PRODUCT AND USE CASE OF \$DECENT TOKEN



### 6. DECENT Wisdom Game (Play-and-Earn)

- a. The DECENT Wisdom Game Centre is a Relaxation Centre within DECENT Database.
- b. The Wisdom Game is a collection of Multiple Choice questions which includes sport, current affairs, history, geography, science, engineering, health, etc.
- c. The Wisdom Game Centre can only be accessed with any of these NFT assets on the player. A player will require an NFT suit or shoe or a hat to access the Wisdom Game Centre.
- d. A player with all 3 NFT game assets (Suit, Shoe and Hat) will be able to play only in Zone 1 with the highest prize money.
- e. A player with the NFT Suit and NFT Shoe will be able to play only in Zone 2 with the second-highest prize money.
- f. A player with only NFT Hat will be able to play only in Zone 3 with the least prize money.
- g. A player will need at least 200 million \$DECENT tokens in their wallet in order to access any of the gaming Zones.
- h. \$DECENT tokens are given as a reward for every correct question.
- i. Pay for the BSC gas fee and have the chance to win 3 times the gas fee for every correct answer.
- j. A tax of 15% is applied to every game own.
- k. Customised NFT assets will be sold before the Wisdom Game goes live.



## DECENT AMBASSADOR PROGRAM



### The Ambassador

In order to accomplish our mission and vision in the shortest possible time, we will need the assistance of DECENT Ambassadors all around the world.

- a. DECENT Database will need the assistance of 1000 Ambassadors to support the vision of the project every 6 months.
- b. Two Ambassadors per country will be required from 190 countries.
- c. Reward: 2 billion \$DECENT tokens will be allocated to each Ambassador at the end of their contract + NFT (Suit, Hat and Shoe) for the Wisdom Games.
- d. Renewal of the position is carried out every 6 months.
- e. Ambassador details (can be a nickname) and Country will be added to the website.

### Requirement

1. Hold at least 500 million \$DECENT tokens at the time of application.
2. Hold at least 500 million \$DECENT tokens at the end of your contract to be able to claim the Ambassador's reward of 2 billion \$DECENT tokens.
3. One Ambassador per country can be a Crypto Enthusiast, Student, Researcher, or Lecturer with at least 1000 followers on any social media (LinkedIn, Twitter, Facebook, Discord, etc.)
4. The other Ambassador from the same country must be a YouTuber with at least 1000 followers on YouTube.

## TOKENOMICS



### \$DECENT Token

\$DECENT tokens exhibit four main rewarding features which include the following:

1. Perpetual Reward - By simply holding \$DECENT tokens, holders will receive a 2% return in BNB for every transaction (buy/sell).
2. Morale Booster - 3% of every transaction (buy/sell) is transferred into a wallet for strategic buy-back. In essence, the team decide when to buy back \$DECENT tokens from Pancake Swap and consequently burn the tokens almost immediately. Expect the team to always use these funds for buy-back if the morale within the community is low.
3. Liquidity Pool Enhancement - 2% of every transaction is transferred into the Liquidity Pool of Pancake Swap to create a stable price floor
4. Marketing and Research & Development - 3% of every transaction is transferred into the marketing and research & development wallet.

Therefore, \$DECENT tokens have a total of a 10% transaction fee distribution.

### Fair trading Initiative

1. In order to encourage fair trading and prevent dumping, sellers are restricted to 0.1 of the circulating supply per day.
2. Anti-Bot: We incorporated anti-snipe bot launch protection into our tokens and known trading bots will be blacklisted pre-launch to avoid price manipulation.



## TOKEN DISTRIBUTION

\$DECENT tokens will be offered to limited investors for private sale only. The private sale will be vested.

Only 10% of \$DECENT tokens will be released at launch to the investors and the remaining tokens will be released at a rate of 10% every month for the next 8 months.

\$DECENT tokens will be first launched on Pancake Swap, a Binance Smart Chain (BSC) decentralised exchange (DEX) platform.

\$DECENT tokens have a total supply of 20 quadrillion (20,000,000,000,000,000) tokens.

The distribution of \$DECENT tokens is explained below (Figure 5).



Figure 5. Token distribution of \$DECENT Tokens



## TOKEN DISTRIBUTION

### 1. Liquidity & presale = 29.06% of the Total Supply

*The liquidity Pool will be locked for 3 Years, no vesting for presale.*

### 2. Staking = 20.94% of the Total Supply

*Allocations for the staking pool*

### 3. Private sale = 12.5% of the Total Supply

*The private sale will be vested.*

*10% will be released at launch.*

*Then, 10% will be released every month for the next 9 months*

### 4. Operations = 6.5%

*50% locked for 1 Year and an additional 10% released after each quarter*

*a. Payment to Editors and Reviewers*

*b. Payment to Authors*

*c. Ambassador Reward*

*d. Article Processing*

*e. Technology and Innovation*

*f. Scholarships*

*g. Research Grants*

*h. Sponsorship of Conferences*

*i. Partnership*

### 5. DECENT Wisdom Game = 7%

*50% locked for 1 Year and an additional 10% released after each quarter*

### 6. Marketing & Airdrop = 4%

*50% locked for 1 Year and an additional 10% released after each quarter*

### 7. DECENT Hub = 5%

*100% locked for 1 Year and an additional 10% released after each quarter*

### 8. Team = 5%

*100% locked for 2 Years and an additional 10% released after each quarter*

### 9. Treasury = 5%

*100% locked for 1 Year and an additional 10% released after each quarter*

### 10. Research and Development = 5%

*100% locked for 1 Year and an additional 10% released after each quarter*

## MEET THE TEAM

### Dr Itopa Ajayi, PhD

#### Head of Technology and Innovation



Itopa, a co-founder of DECENT Database, has led a stellar career in the prestigious environments of The University of Queensland, Australia and The University of Abuja, Nigeria, researching, teaching, and supporting general academic activities. Itopa obtained a PhD in Systems Neuroscience (Descending Motor Control) from The University of Queensland in 2016 by investigating emotions and homeostasis under the broad theme 'Limbic modulation of the autonomic nervous system'. Itopa successfully demonstrated the ability of the ventral hippocampus to regulate cardiorespiratory functions, against popular opinion, and highlighted the circuit physiology and anatomy between the ventral hippocampus and amygdala that forms the substrate for modulating autonomic function. Upon concluding his PhD, he was appointed the Head of Department, Veterinary Anatomy, University of Abuja, where he further developed administrative and leadership skills. After a successful tenure, Itopa returned to Australia, where he currently applies his skills to enhance the research experience in the Animal Behavioural Facility of Queensland Brain Institute. Itopa also holds a Doctor of Veterinary Medicine Bachelor's degree and a Masters in Neuroanatomy from Ahmadu Bello University, Zaria, Nigeria. Itopa is passionate about research and has over 20 peer-reviewed scientific publications to his credit. His goal is to create advanced research solutions that bridge the deep knowledge gap across the globe.

#### Selected Publications

1. **Itopa E Ajayi**, Paul C Mills (2017). Effects of the hippocampus on the motor expression of augmented breaths. PLoS One 12 (8:e0183619).
2. **Ajayi, Itopa E.**, McGovern, Alice E., Driessen, Alexandria K., Kerr, Nicole F., Mills, Paul C. and Mazzone, Stuart B. (2018). Hippocampal modulation of cardiorespiratory function. Respiratory Physiology & Neurobiology, 252-253, 18-27. doi: 10.1016/j.resp.2018.03.004.
3. **Ajayi, Itopa E.** (2019). Anatomy of the hippocampus and its emerging roles in modulating emotion-dependent autonomic activities. Italian Journal of Anatomy and Embryology, 124 (3), 337-352. doi: 10.13128/ijae-11663.



## Dr Taiwo Odedairo, PhD

### Head of Operations



Taiwo is one of the co-founders of DECENT Database. He received his PhD in Chemical Engineering from The University of Queensland, Australia in 2016, where he investigated the conversion of  $\text{CO}_2$  and  $\text{CH}_4$  into syngas ( $\text{H}_2$  and  $\text{CO}$ ) on heterogeneous catalysts using both conventional fixed-bed and plasma reactors. He followed this with a postdoctoral position at the Dow Centre for Sustainable Engineering Innovation, Australia, where he focused on methane pyrolysis and  $\text{CO}_2$  reforming of methane. He also holds a Master's degree in Chemical Engineering from King Fahd University of Petroleum and Minerals, Saudi Arabia. He previously worked as a Research Engineer for about two years with SABIC, Saudi Arabia, a leading petrochemical and Chemicals Company, where he co-invented 6 US patents, with 4 out of the 6 patents currently granted and active. Taiwo has published more than 25 peer-reviewed scientific publications.

### Selected Publications

1. **Taiwo Odedairo**, Yan Xuecheng, Yao Xiangdong, Kostya (Ken) Ostrikov and Zhonghua Zhu, Hexagonal Sphericon Hematite with High Performance for Water Oxidation. *Advanced Material*, 2017.
2. **Taiwo Odedairo**, Jun Ma, Yi Gu, Jiuling Chen, X.S. Zhao, Zhonghua Zhu, One-pot synthesis of carbon nanotube/graphene hybrids via syngas production. *Journal of Material Chemistry A*, 2014.
3. Mohammed Al-Hazmi, **Taiwo Odedairo**, Al-Zenaidia Ahmed, Sulaiman Al-Khattaf, Yassir Nabil, Aitani Abdullah, Siddiqui Abdulbari, "Catalytic methods for converting naphtha into olefins" United States Patent, US 10099210 B2 (2018) – Granted

## Michael Obidogwu

### Chief Financial Officer



Michael is an Australian, and one of the co-founders of DECENT Database. He obtained his Bachelor of Engineering in Mechanical & Production Engineering, at Nnamdi Azikiwe University, Nigeria. Michael is a Professional Mechanical Engineer with over 11 years of extensive industrial experience. He's an expert in compressed air system design with several complex projects delivered to his credit. He independently conceptualised, designed, installed, and successfully commissioned the first of its kind in the Middle East, a Nitrogen Generation Plant for an Airline Company in Manama, Bahrain. His expertise extends to chilled water system design where he manages several chilled water system design projects in Brisbane, Australia. Michael is always passionate about working on more challenging engineering projects as he derives joy in proffering solutions to more complex engineering projects. Michael is a blockchain enthusiast and has been following up with the trends in blockchain technology since 2015.





## **Dr Luqman Atanda, PhD**

### **Administrative Manager**

Luqman has a PhD in Chemical Engineering from The University of Queensland, Australia where his research was on the catalytic conversion of cellulosic biomass to bulk chemicals that are intermediates for the production of bio-based fuels, chemicals, and plastics. He then went on to work as a Post-Doctoral Research Fellow at Nanomaterials Centre at The University of Queensland on an Australian Renewable Energy Agency (ARENA) funded project to demonstrate the feasibility of biocrude upgrade using catalytic fast pyrolysis process. At present, he is a Research Fellow at the Centre for Agriculture and the Bioeconomy (CAB), University of Technology, Queensland where he is demonstrating the feasibility of the production of aviation jet fuels from agricultural waste utilising the Mercurius Biorefinery Technology. Dr Atanda's research output spans across heterogeneous catalysis, green chemistry, fine chemicals synthesis, biofuels synthesis and biorefining, and he has more than 25 peer-reviewed articles published in reputable journals.

### **Selected Publications**

- 1. L. Atanda**, G.L.L. Fraga, M.H.M. Ahmed, N. Batalha, W. Aslam, M. Konarova, Conversion of agricultural waste into stable bio-crude using spinel oxide catalysts, *J. Haz. Mater.* 402 (2021) 123539.
- S. Mukundan, D.C. Boffito, A. Shrotri, **L. Atanda**, J.N. Beltramini, G.S. Patience, Thermocatalytic hydrodeoxygenation and depolymerisation of waste lignin to oxygenates and biofuels in a continuous flow reactor at atmospheric pressure, *ACS Sustainable Chem. Eng.*, 8 (2020) 13195-13205
- 3. L. Atanda**, A. Shrotri, S. Mukundan, Q. Ma, M. Konarova, J. Beltramini, Direct production of 5-hydroxymethylfurfural via catalytic conversion of simple and complex sugars over phosphated TiO<sub>2</sub>, *ChemSusChem*, 8 (2015) 2907-2916.



## **Dr. Morenikeji Akinlotan, PhD**

### **Administrative Manager**

Morenikeji is an applied mathematician with 9+ years of experience in the mathematical modelling of epidemiological/infectious diseases and complex biological processes across a number of projects. Her research works include the development of mathematical and computational models of human and zoonotic (infectious) diseases, ecological and environmental systems, or health systems, in order to inform public/governmental health policies with on-the-ground application. Morenikeji also has impressive teaching/lecturing skills plus a demonstrated work ethic with 10+ years as a mathematics tutor, casual lecturer, and computer lab demonstrator. She currently works as a Research Fellow at the Queensland University of Technology, Australia.

### **Selected Publications**

- 1. Morenikeji D. Akinlotan**, Dann G. Mallet and Robyn Araujo. Mathematical Modelling of the Role of Mucosal Vaccine on the Within-host Dynamics of Chlamydia trachomatis. *Journal of Theoretical Biology* 497 (2020): 110291.
- 2. Morenikeji D. Akinlotan**, Dann G. Mallet and Robyn Araujo. An Optimal control model of the treatment of chronic Chlamydia trachomatis infection using a combination treatment with antibiotic and tryptophan *Applied Mathematics and Computation* 375 (2020): 124899.



## Dr Akefe Isaac

### Administrative Manager

Dr Akefe Isaac is an expert biomedical researcher focusing on basic cellular mechanisms and/or pathways involved in the development and progression of oxidative stress in memory impairment, and disease-related pathology. His research also focuses on finding alternative antioxidant therapy for the amelioration of oxidative stress and enhancement of memory. He is an expert in cell and animal model (rodent species) studies, used in medical research to investigate disease mechanisms and novel drug discovery. Akefe's skills in tissue culture, flow cytometry, polymerase chain reaction, histology, liquid chromatography, and mass spectrometry, gained by training during his postgraduate research study is useful for disease diagnosis and helpful to clinicians in patient's care. Akefe is currently a lecturer at the Faculty of Veterinary Medicine, University of Jos Nigeria, with several active ongoing research collaborations internationally, including Egypt, India, Saudi Arabia, Australia, Nigeria, and the USA.

### Selected Publications

1. **Akefe, I.**, Ayo, J., & Sinkalu, V. (2021). Assortment of kaempferol and zinc gluconate improves noise-induced biochemical imbalance and deficits in body weight gain. *Experimental Results* 1-21. doi:10.1017/exp.2021.30, (Cambridge core).
2. **Akefe IO**, Ayo JO, Sinkalu VO (2020) Kaempferol and zinc gluconate mitigate neurobehavioral deficits and oxidative stress induced by noise exposure in Wistar rats. *PLOS ONE* 15(7): e0236251. <https://doi.org/10.1371/journal.pone.0236251>.
3. **Akefe IO**, Yusuf IL, Adegoke VA (2019). C-glycosyl flavonoid orientin alleviates learning and memory impairment by radiofrequency electromagnetic radiation in mice via improving antioxidant defence mechanism. *Asian Pac J Trop Biomed*, 9:518523. doi.org/10.4103/2221-1691.271725.



## Dr Paul Philip

### Administrative Manager

Philip is a veterinarian and a PhD student at the School of Veterinary Science, University of Queensland, with broad interests in infectious diseases, epidemiology, and One Health. The central focus of his PhD is to quantify rabies transmission risk in Nigeria to support prevention and control efforts towards attaining zero human rabies deaths mediated via dogs by 2030.

### Selected Publications

1. **Philip P.** Mshelbwala, J. Scott Weese, Olufunmilayo A. Sanni-Adeniyi, Shovon Chakma, Stephen S. Okeme, Abdullah A. Mamun, Charles E. Rupprecht, R. J. Soares Magalhaes. (2021) Rabies epidemiology, prevention and control in Nigeria: Scoping progress towards elimination. *PLOS*. doi.org/10.1371/journal.pntd.0009617
2. **P. P.** Mshelbwala, D. K. Akinwolemiwa, B.V. Maikai, R. G. Otolorin, N. A. Maurice, J. S. Weese (2017) Dog ecology and its implications for rabies control in Gwagwalada, Federal Capital Territory, Abuja, Nigeria. *Zoonoses*. doi.org/10.1111/zph.12385
3. **Philip P.** Mshelbwala, et. al. Bat and Lyssavirus Exposure among Humans in Area that Celebrates Bat Festival, Nigeria, 2010 and 2013. (2020) Centers for Disease Controls & Prevention.



## **Banji Alo**

### **Business Analyst**

Banji is a health data scientist and researcher with professional experience in consulting, Government, and international development. He has collaborated with experts in data science, health information systems, and public health in Sub-Saharan Africa, Australia, and the broader Pacific. Banji completed his postgraduate degrees in Public Health and Health Services Management from the University of Queensland and Griffith University in 2017 and 2018, respectively. In 2020, Banji was nominated for the prestigious distinguished talent award by the Australian Government for his exceptional achievements.



## **Taiwo Afolabi**


### **FullStack Developer (Lead Dev)**

Afolabi is an experienced software developer with 14 years behind the keyboard. He holds a degree in Computer Science and Engineering and a major in Programming with a focus in Desktop, Mobile, and Web Applications using C#, React JS, ASP.NET, Python, HTML 5 as its core. Whether independent or operating on a team his analytical approach to problem-solving has been a plus. He has an extensive history developing and upgrading applications optimising websites, Mobile apps, Desktop performance investigation, and troubleshooting issues ensuring smoother processes for every end-user.





## HISTORY & ROADMAP



June 2017	Conceptualisation of DECENT Database and the forming of the dream team.
June 2018	Registration with Australian Securities and Investment Commission (ASIC)
August 2018	Building a Beta version of a Peer-to-Peer Manuscript Submission System.
April 2019	Initial release of the Beta version of the Peer-to-Peer Manuscript Submission System and set-up of social media pages.
July 2019	Publication of the first Scientific Article in DECENT Journals.
July 2020	Invitation to Editors and Reviewers who are experts in their respective areas of specialisation.
October 2021	Finalised Tokenomics and the upgrade of the Website Design & Development.
November 2021	Smart Contract Development & Testing of utility token called \$DECENT token.
December 2021	Auditing

## HISTORY & ROADMAP

### Q4 2021 - October

- # Upgrade of Website Design & Development
- # Expansion of the current team
- # Token Smart Contract design and development
- # Design and integration of the Utility token (\$DECENT token) with the Peer-to-Peer Manuscript Submission System (DECENT Manager)

### Q4 2021 - November

- # Release of New Website
- # Release of Whitepaper V2
- # Private Sale with vesting
- # Smart Contract Development & Testing
- # Smart Contract Audit
- # Pre-Marketing Campaign

### Q4 2021 -December

- # Launch of the 1000 DECENT Ambassadors for the first 6 months
- # Pre-Marketing Campaign
- # Pancake Swap Listing
- # CMC and CoinGecko Applications
- # Post-Marketing Campaign
- # Beta version of the Peer-to-Peer Manuscript Submission System open for Manuscript Submission (DECENT Manager)

## Q1 2022

- # Upgrade of Beta version Peer-to-Peer Manuscript Submission System (DECENT Manager)
- # Integration of the \$DECENT tokens with DECENT Manager
- # Launch of Reward Dashboard (BNB)
- # Launch of the monthly Scholarship (15th) and Research Grants (1st)
- # Launch of Staking Platform
- # Sales of NFT Game Assets (Suit, Shoe and Hat) in preparation for the launch of Wisdom Games
- # Post-listing Marketing Campaign

## Q2 2022

- # Partnership and collaboration with Universities and Countries for the establishment of DECENT Hub
- # Release of Beta version of DECENT Wisdom Games
- # Awarding Research Grants to Universities participating in the establishment of DECENT Hub.

## Q3 2022

- # Design of the DECENT Scientific Marketplace
- # Launch of DECENT Scientific Marketplace (Phase 1) (Collaborative Research - Researchers will be able to display equipment that can be utilised by other researchers)
- # Launch of DECENT Scientific Marketplace (Phase 2) (Able to buy and sell any scientific freely in our Marketplace)
- # \$DECENT token and BNB will be used for transactions in the marketplace.
- # List on CEX



- # DECENT Hub Phase 1 (Having a physical location in a particular country)
- # DECENT Hub Phase 2 (Setting up the facility for the arrival of some equipment)
- # DECENT Hub Phase 3 (Having some Equipment within the Hub that is fully Functional)

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2. M. Laakso, B. C. Bjork, Anatomy of open access publishing: A study of longitudinal development and internal structure. BMC Medicine, 2012, 12, 124.
3. <http://www.research4life.org/>
4. [http://www.who.int/hinari/about/HIN\\_Leaflet\\_R4L\\_6pp\\_A5\\_South.pdf](http://www.who.int/hinari/about/HIN_Leaflet_R4L_6pp_A5_South.pdf)

# DECENT Database

## Decentralized Research Database

We are regulated by the Australian Securities and Investment Commission (ASIC).

DECENT Database acknowledges the Traditional Owners of the country throughout Australia and recognises their continuing connection to the land, waters, and community. We pay our respects to them and their cultures, and to Elders past, present, and emerging.