

Introducing Commonwealth Publisher

- World's First Crowd Owned and Operated Publisher



The Outline

- Industry Overview
- Who is Commonwealth Publisher?
- Why Commonwealth Publisher?
- The Team and Roadmap
- Summary

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An Overview of the Scientific Publishing Industry

- Highly lucrative and overly centralized.
 - Large profit margin: 30%+.
 - Most journals are privately own. The profit goes mostly to the owners, not academia.
 - Main sources of revenue: subscription and publishing charges.
 - Scholars work for the giants for free.
 - The review and editing services go under the name ‘academic service’ and largely unpaid.
 - Authors usually pay thousands of USD to get reviewed or published.
 - Universities pay millions of USD in annual subscriptions (“Big Deal”).
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Comparing the Profit Margins

Profit	Company	Industry
10%	BMW	automobiles
21% <small>(not profit)</small>	PLoS.org	non-profit scholarly publishing
23%	Rio Tinto	mining
25%	Google	search
29%	Apple	premium computing
35%	Springer	scholarly publishing
37%	Elsevier	scholarly publishing

<http://wp.me/ph4jF-km> CC-BY Alex Holcombe

Status Quo of the E-print Hosting Websites

- Examples: Arxiv, SSRN, inSpire, psyArXiv, SocArXiv, bioRxiv...
- **Public access** is offered.
- The service is **non-profit and honored**.
- The typical **annual budget is low**: <1 million USD.
- There are **much fewer e-print hosting sites than for-profit publishers**. At most one or two in each discipline.
- **Not much competition** here. Hence **no changes or improvements** for a long time.

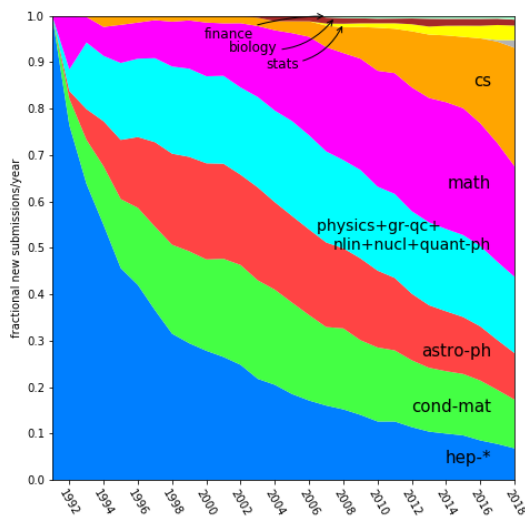
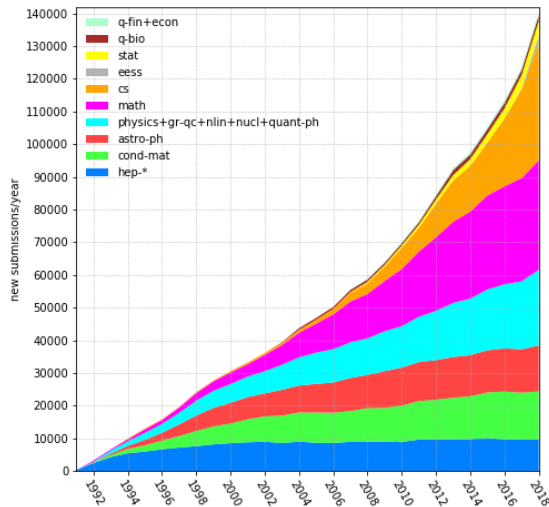
The Rise of ArXiv.org

- Founded by physicist Paul Ginsparg and hosted by Cornell University.
- Annual operation budget: ~1 million USD.
- **Nonprofit.**
- Jointly funded by Cornell University Library, member institutions and Simons Foundation.
- Largely **linear monthly submission growth** without much advertisement.
- Total submissions: 1.6 million. **Dominating the scientific community in e-print hosting.**
- Since 1992.

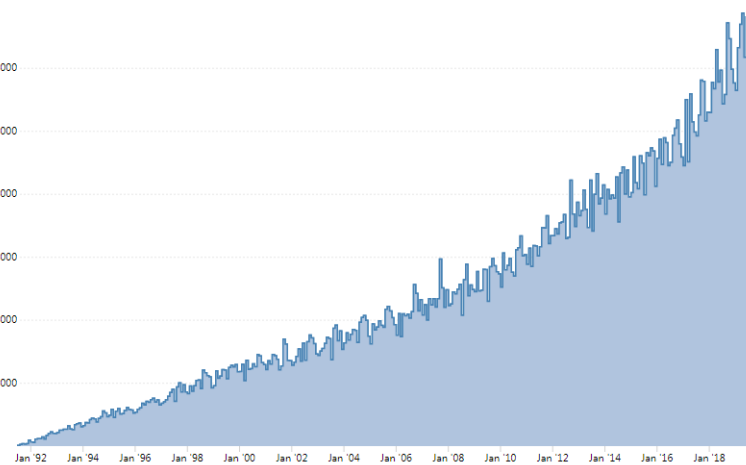
More ArXiv.org Stats

arXiv submission rate statistics

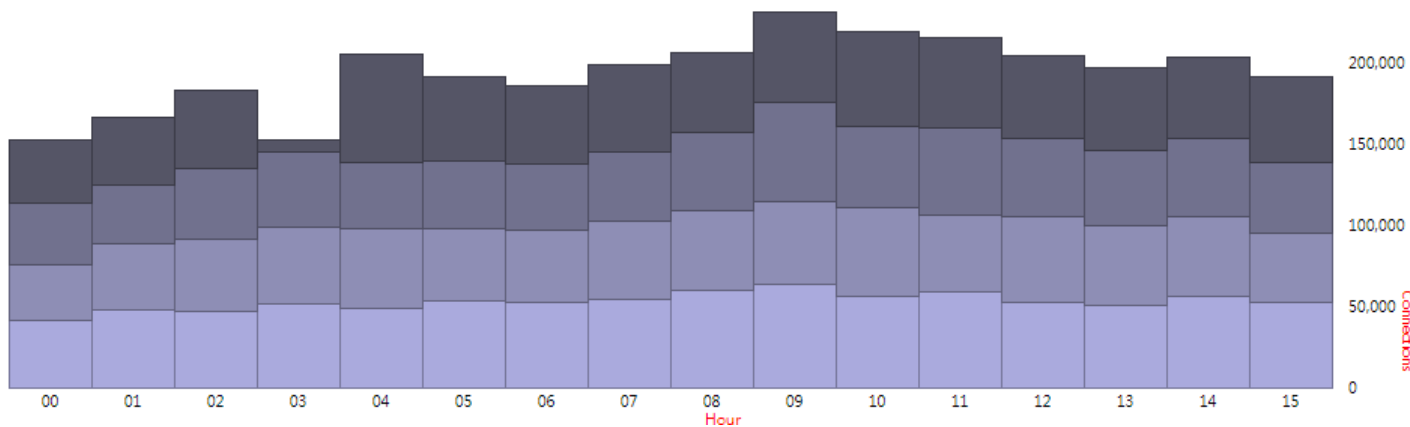
Data for 1991 through 2018, updated 1 January 2019.



arXiv Monthly Submission Rates



arXiv Web Server Usage from Sunday, September 22, 2019 (arXiv.org site only)



Issues and Opportunities

- The e-print hosting sites all focus on one or a **limited range of disciplines**.
- The **Latex upload and submission** must pass their own compilation, which can be **time-consuming**.
- They hardly open comments for articles or forums to promote open academic discussions. **No social networking opportunities or Q&A forums** despite popularity.
- **Huge traffic and lots of users**. Can we convert and redirect them into a profiting business, and return the profit to users?

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Introducing Commonwealth Publisher

- A **crowd owned and operated** scientific publisher.
 - We reserve 30% of total Member Guarantee to compensate authors, reviewers and editors. 50% for tiered sales and the team owns 20%.
- The 1st stage: the **nonprofit e-print hosting** site, e-print.org
 - Scientific e-print hosting.
 - Latex editing and journal submission tool.
 - Scientific, high-end social network / Q&A for scholars.
- The 2nd stage: the **nonprofit journal**.
 - A comprehensive journal that covers major disciplines.
 - We charge subscription fees and publishing fees.
 - The profit goes back to the contributors and the ecosystem.
 - The team and ecosystem's interests align well.

World's First Scientific Publisher on Blockchain - What We Achieved

- E-print hosting:
 - An e-print posting hub and Quora-like academic social platform. 100% free and non-profit permanently. Design log available upon NDA signing.
 - Supported by scholars from Harvard, MIT, U Chicago, U Michigan and more renowned institutions.
 - We own a US-based NPO for scientific research grant issuance.
- Comprehensive academic journal, “The Commonwealth” :
 - Tokenomics already designed. See WP: crowd assisted, peer reviewed.
 - Harvard and MIT scholars in team for advisory.
 - We own a Singapore based CLG and US-based C-corp for its operation.
 - Field survey reveals that many scholars keep their earnings for review in their accounts long-term and consider it an honor. The system is born deflationary. Token price will have good foundation.

World' s First Scientific Publisher on Blockchain - Next Steps

- **Step 1: E-print hosting:**
 - Site construction.
 - Attract users from academia with research grants, offered to active and excellent scholars on site.
 - Implement a point and leveling system.
 - May build tokenomics on the point system when the time is right. As a result, scholars can redeem their points into cryptos or cash.
 - **Step 2: Comprehensive academic journal, “The Commonwealth” :**
 - Impact factor escalation is critical. Details available upon request.
 - Invite active users from our e-print site into our advisory board for assistance in crowd operation.
 - Charge publishing and subscription fees (discount available if paid in COMMs), and offer generous payments to authors, reviewers, editors, endowing knowledge with value.
 - Will start another major round of fundraising then, ~15% total supply, targeting renowned university funds like Harvard, Yale, and any other traditional funds.
 - We are the world' s one and only non-profit publisher with this economic model. We make an impact with decentralized tokenomics. The way this business runs is well suited for such a model – crowd operated, large, homogeneous global community, currently overly centralized and in monopoly.
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Is It Worth It?

- If we do it right and win the scholars' heart, we **establish a strong faith on our core values – knowledge is power and can be endowed with value**. They are professors and a most respected group in the world. If we have many of them in our advisory board, the entire world will trust and follow us.
- Token application and popularity scale with ecosystem growth and promotion, a good motivation to contributors and token holders.
- Tokenomics in good hands can truly reshape the world. Only a team with good knowledge in tokenomics can do it right.
- **Top scholars have priority to join our asset manager partners** if they truly decide to move on. Fame brings top talents from academia. Since the ecosystem manages and grows assets for a nonprofit publisher, **they get to keep contributing to academia in a way**.
- **Important:**
 - **Rich use cases** for the point or token system on site to enhance circulation.
 - **Mass promotion** and advertisements on major academic journals.
 - The tokens must be available for sale easily in renowned exchanges with **good liquidity** to earn more trust.

Scientific E-print Hosting

- Easy-to-use Latex editor with light version control.
- Latex templates of major journals would be offered.
- Upload or download your work anytime.

Latex Editing

- Option 1: **collaborate with** major **online editing vendor** like overleaf.com and utilize their commercial portal for the purpose.
- Option 2: develop our **own editing tool**.
 - Synchronization options:
 - Real-time.
 - Version control.
 - Compilation – editor choice.
 - Latex online.
 - Text delivered to backend for further processing.
- Option 3: go with **simplified version control** like Github, and totally avoid synchronization.
- Option 4: **skip** Latex editing and **enable pdf uploading** only.
 - Cost effective. May work as the first step.

Scientific Social Network Forum

- The authors can **turn on/off comments** for his/her article. Default is on.
- One's **real name is required** for commenting.
- Introducing the **Fame system**.
 - Contingent on one's h-index, user activity and many more.
 - Internal economy system to promote healthy forum growth
 - Positively correlated with the tokens one earns.
- We house a scientific, **Quora-like forum to promote discussions**. Everybody can ask questions, but only top 20% users can answer.
- A **chatting tool** would be offered **on website and App**. Scientific **formula supported** in chat window.

Comprehensive Journal

- Covers **all disciplines**.
- We **invite active and famed users** from the e-print site **to assist** operations in submission, reviewing and editing.
- New disciplines open up as the e-print users in the field grow.
- Introducing the **Power system**.
 - Contingent on one's h-index, citation, reviewer feedback and many more factors.
 - More positively correlated with the tokens one earns.
 - Otherwise similar to the Fame system.

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The Crowd Revolution of Production Relations

- Crowd project valuation is essentially based on **the comparative advantage of the new production relation(s) over the old.**
 - Choice of Member Guarantee distribution: shares or digital currency.
 - Crowd distribution results in a fundamental reform of production relations and promotes more massive and effective collaboration.
 - Distribution of Member Guarantee offers fairer and more vibrant ecosystem for small business growth.
- We are the **world's first and only crowd** owned and operated **scientific publisher.** The COMMunity owns most of the Member Guarantee.
 - Backed by a regulated Singapore based CLG.
 - The Foundation carries out non-profit-making activities that have basis of national or public interest.
 - All net profit goes back to the ecosystem, benefiting the investors and token holders.

Why We Favor Digital Currency as Member Guarantee?

- Easy for early, **inexpensive and massive payment distribution**.
 - Almost infinitesimally divisible.
 - Transferrable and stores value securely.
 - Backed by ecosystem development, expansion and promotion.
 - Distribution positively correlated with one's Fame and Power.
- New coin **issuance at ease**.
- **Independent currency policy** helps us manage supply and demand.
- Exchange **listing** and user **redemption are easy**.
- We are **Regulation D and S compliant**. Please contact us for the PPM if you are interested to invest.
- We have **top Blockchain experts**, advisors and developers **in team** and are well connected with resources in the digital domain.
- Our Singapore CLG issued a natural token, 'Commonwealth', or COMM for short. **Codebase fully audited** by CertiK, a renowned auditor. See report [here](#). It's ready to embark on any exchange.

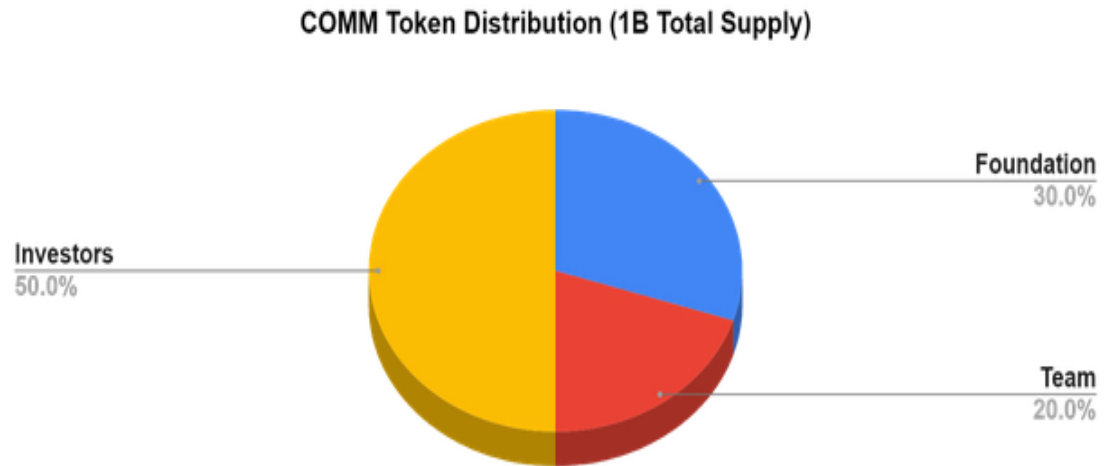
The Member Guarantee Distribution

- **30% foundation:** reserved for all contributors.

- Strategic partner searching.
- Content mining:
 - Article publishing.
 - Review.
 - Editing .
 - Translation.
- Website construction.
- Administrative assistance.
- Difficulty doubled every time 50% is mined.

- **20% team's reserve:** internal incentive. Locked in an audited smart contract secured by CertiK, to release linearly over 5 years.

- **50% investor's pool:** for sale and used to support and expand the business.



Potential Competitors and Our Edge

- Preprint websites
 - Most preprints are posted on ArXiv.org, and a small number of other similar sites.
 - They hardly face any challenge, and lack motivation to introduce new features in site.
- Scientific Publishers
 - Highly lucrative but NONE pays the scholars and academic community back.
- Social Network sites
 - Hardly any of them target their audience in pure academia.
 - None offers comments for academic articles. But many scholars appreciate that from their peers.
- Our Edge:
 - **Professional team** in publishing, innovative tokenomics design and asset pricing. A unique and helpful combination.
 - **Deep understanding in crowd dynamics** of such businesses.
 - **Well connected with resources in the crypto industry**: exchanges, advisory, legal, ...
 - **Well connected with academia**. Professors and scholars on advisory.
 - The scholars will earn Member Guarantee by their contributions, and benefit from holding.
 - We **own multiple good .org domains**: e-print, pre-print, epreprint, prehub, ...
 - **Rich plans** for the ecosystem development – **dedicated main net** in plan

Main Net Development

- Next Steps

- Tokenize, fundraise for and COMMercialize a variety of subprojects under COMM' s dedicated main net.
- Subprojects range from publications from renowned scholars and best selling book authors.
- Enable text or file storage to ensure copyright and security of publications on chain.
- The tokenization of publishing industry is promised to be way bigger in capitalization than all current cryptos combined.
- As a real pioneer in scientific publication tokenization, COMM is COMMitted to building a supportive and productive atmosphere for scholars and best selling authors across the globe.

Promotion – What We Achieved

- **Featured on many crypto presses** including Coinidol, Cointurk, Bits.media, Investfuture.ru, Portaldobitcoin, etc. Full list available upon request.
- **High quality contents** in social media. **Lots of likes and shares.**
- We have **connection with a strong ICO database vendor** and bought a good subset to start with.
- **Exposure on renowned conventional medias** including Yahoo! Finance, Yahoo, Bloomberg, AP, TG Daily. Full list available upon request.
- **Discussed the idea with 10+ faculty/scholars** from renowned universities including Harvard, MIT and **got rich feedback**. Tokenomics and roadmap **adjustments made**.
- **Multiple campaigns** in social media: Guest Writer Registration, COMMunity sticker contest, Fantastic COMMs and Where to Find Them, COMMunity Surveys, Press Release Submission, Mini Games, Quiz Contests and random rain drops. Some of them are still ongoing. Our official sticker pack is [here](#).

Promotion – What We Can Do

- **Good connection with all crypto presses** including Bitcoinist, CoinCodex, CryptoCompare. Will push for more exposure when the time comes.
- Leverage the high caliber of our social media updates to scientific publishing.
- We are ready to advertise among **a large number of crypto users** with **email marketing** when the time is right.
- Will push for many more conventional press releases at a better time.
- **Promote in major scientific journals** when our e-print site is up.
- COMM, the token ticker is **easy to promote** and is literally **everywhere in English**. Many words start with it or contain it (or its variations). Can be creative on TV or social media.
 - Example 1: A COMMunity with plenty of COMMunication goes a long way.
 - Example 2: We COMMenced with the ERC20 protocol since it' s the most COMMON standard.
 - Example 3: COMMpensation will be COMMensurate with experience and COMMpetitive, starting at 1000 COMMs.
 - Example 4: We are COMMitted to COMMONwealth' s best interest.
 - Example 5: COMM on! Let' s see some COMMunity power!

The Philosophical Basis of Decentralized Economy

- The founder Wayne is composing a **philosophical essay collection**, it's 30% done. Will publish it on COMM's main net when ready. A text overview can be drafted and published in a few days if/when desired.
- It's a **new philosophy about negative entropy**, or nentropy, a quantifiable metric that plays an important role in the world of life.
- **Commonwealth or COMM will be the unit to evaluate nentropy**. Just like Newton the unit for force, and Satoshi the unit for Bitcoin. **The popularity of COMM rises with this philosophy.**
- **Good entry point to introduce COMM** into academia. Still different in concept, but scholars would realize that COMM has value over time, with digital protocol as support. This order may be more favorable than introducing it directly as a cryptocurrency from the beginning.
- The overview slides for Wayne's **2-hour talk** are **available upon request**.
- **This philosophy is our motivation to initiate a nonprofit foundation and ecosystem**. It offers the theoretical basis for the advantages of decentralized sharing economy over the traditional model.

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The Founding Members

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- **Wayne Yee, PhD:** Dr. Yee has many years of quantitative alpha research experience in hedge funds. He is familiar with asset management in stocks and cryptos, tokenomics and philosophy, as well as managed and researched market neutral equity portfolios and strategies in renowned quantitative hedge funds with good performance. He also participated in the search of Higgs boson in [Fermilab](#). The work and the ongoing research conducted at CERN's Large Hadron Collider led to the discovery of the Higgs boson, the Nobel prize winner in physics 2013. Dr. Yee earned a bachelor's degree in Physics, University of Science and Technology of China (USTC), and a doctoral degree in Physics, State University of New York at Stony Brook.
- **John Gan, PhD:** Dr. Gan obtained his Ph.D. from [Harvard University](#) with a solid background in applying machine learning algorithms and statistical inference to solve big data challenges. He then joined [Harvard Business School](#) as a researcher, focusing on asset pricing in emerging financial sectors including cryptos. At Harvard, John has designed and implemented a course on financial technologies, linking AI and big data to financial services with real world cases, and has helped over 1,000 students world wide, most of whom are industrial leaders with senior positions including C-level executives.
- **Jackey Yan, PhD:** Dr. Yan is a savvy investor and successful, serial entrepreneur with a strong technical background. He is a senior principal software engineer at [Cadence Design Systems](#), focusing on scalable and efficient algorithm design, data structure, optimization, distributed system, and large-scale software development. Meanwhile, he invested in multiple startup businesses and operates his own with good cash flow. He is a Ph.D. in Computer Engineering.



The Core Team

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Wayne Yee, Ph.D.

Founder, quant portfolio manager, tokenomist and philosopher.



John Gan, Ph.D.

Machine learning scientist, course designer & PhD at Harvard University.



Simon Cocking

Chief editor. Renowned business mentor, fundraiser and public speaker.



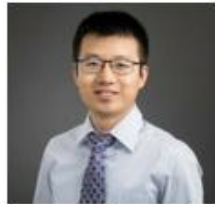
Zhiyu Zhang, M.S.

USDC core developer, senior blockchain engineer at Circle, wallet dev expert.



Jackey Yan, Ph.D.

Co-Founder, serial entrepreneur and technical, savvy investor.



Heming Zhen, Ph.D.

Software engineer at Google Life Sciences. Former assistant professor.



Winston Dai

Machine Learning Engineer, Ph.D. Research Assistant at MIT EECS.



Jane Yang, Ph.D.

Quant researcher on full modeling cycle, Ph.D. in National Univ. of Singapore.



Veronica Lee, M.S.

Visual and interaction designer, UX/UI specialist and web developer.



Hamza Khan

Advisor, top blockchain expert, ICO analyst and senior marketing specialist.



Sean Brizendine

Senior Blockchain advisor, lecturer and researcher. ICO Bench expert.



Yu Tian, Ph.D.

Advisor, UCAS professor and doctoral supervisor. Visiting scholar at MIT.



Krystelle Galano

Marketing advisor, social media strategist, crypto and blockchain evangelist.



George Lai, Ph.D.

Advisor, derivative pricing expert and senior quant in investment banking.



Roadmap

- Campaigns and token development.
- Exchange listing.
- **Private placement** (ongoing).
- **Develop an e-print hosting website** like ArXiv.org, advertise and solicit e-prints for some time to give the peer-reviewed journal a head-start. Each submission is COMMITTED to the Blockchain and serves as the indisputable and immutable evidence for the originality of the article. We will COMMence website construction right after the private sale. Issue research grant when the website is ready and acquires some active users.
- **Invite active scholars** of the website **for** assistance in **journal operation**, and **polish the tokenomics**, in particular the token distribution rules until it's ready.
- **Journal inception and content mining**. We operate like a for-profit publisher, and allocate all net profit to authors, reviewers, editors and the ecosystem' s long-term development.
 - We **invite authors to submit** original **publications** in all disciplines, including but are not limited to math, physics, statistics, finance, economics.
 - We **form an editorial board** with experts in all disciplines. The board is in charge of reviewer and article recommendations.
 - In the long run, we strive for **all scholars to get generous and fair token compensation** in proportion to their academic contributions from our tokenomics. That's our dream and ultimate goal. We will support and promote the ecosystem with all our net profit and lay a solid foundation for the plan first.

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Summary

- We are a **professional team** in tokenomics, and disrupt the publishing industry by crowd based journal operation on Blockchain.
- We **optimize the production relations** in peer-reviewed scientific publishing.
- **Multiple use cases in tokenomics** offer fundamental support to the growth of the COMM ecosystem.

Thank you!

Questions or COMMents?

Private Placement: info@cryptocommonwealth.io

Telegram: [@CryptoCommonwealth](https://t.me/CryptoCommonwealth)

Official Website: cryptocommonwealth.co

Main Website: cryptocommonwealth.io

Social Media Channels

