



Managing Gum Arabic for Sustainable Development

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WELCOME to the inaugural issue of the World Association for Sustainable Development's (WASD) flagship journal fully dedicated to *Gum Arabic*, the ***International Journal of Gum Arabic (IJGA)***.

IJGA is the first international, multidisciplinary, refereed journal aiming to promote top quality international research, ideas and information about *Gum Arabic* across the world. IJGA will focus on all you need to know about "*Gum Arabic*" particularly issues relating to *Trade, Food Security, and Sustainable Development (SD)*.

The journal will explore the international trade aspects, food security, economic, social and environmental challenges relating to *Gum Arabic*, with particular emphasis on the significant challenges and opportunities for major producing countries such as **Sudan**.

IJGA aims to consider new perspectives about *Gum Arabic* research and, for the first time, puts together original and cutting-edge contributions aimed at illuminating and charting new directions for researching, teaching and understanding this extremely rare and important commodity.

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It is intended that **IJGA** benefits ordinary people, students, academics, professionals, researchers, policy-makers, businesses, etc., from both Sudan and the rest of the world with the best available scientific evidence, to enable better understanding of the different opportunities and challenges facing the production and trade of *Gum Arabic*.

THEME AND SUBJECT COVERAGE

Various scientific reports and scholars argue that *Gum Arabic* holds significant potential in contributing to the resolution of several major global challenges such as: ***Food Security; Enhancing Food Nutrition; Environmental Protection and SD.***

Although the general theme and target will be *Gum Arabic* and SD, there is no limitation to the articles that will be considered by **IJGA**. Articles can address these topics theoretically or empirically through either a descriptive or critical approach. **IJGA** particularly encourages articles that significantly bring new knowledge to the area, both for academics and practitioners.

The following issues are for guidance only and are not restrictive:

Food and Health

- Gum Arabic and food security
- Food and nutrition policies; legislation, regulation and enforcement
- Health sciences – pharmaceutical and biomedical research
- Human nutrition and health sciences
- Nutrition and public health
- Public health nutrition: practice and impact
- Pharmaceutical sciences and technologies
- Sustainable food production systems

Sustainable Development, Environment and Climate Change

- Gum Arabic and sustainable development and the Sustainable Development Goals (SDGs)
- Development of research methods, validation of measures and calibration
- Climate change modelling and resilience
- Water, energy and climate change
- Sustainable development strategies
- Environmental issues and environmental challenges for Gum Arabic



Resource Base

- Anatomy
- Dendrology
- Physiology
- Silviculture
- Management of individual Forest Trees and Shrubs particularly that produce Natural Gums and Resins together with other None Wood Forest Products (NWFP)

Trade and Marketing

- International trade aspects of Gum Arabic
- Investment and trade
- Promotion, marketing and international trade of Gum Arabic
- Marketing and enterprise

Business, Management and Economics

- Business ethics, values and social responsibility and management
- Corporate governance and strategy
- Industry and processing
- Innovation and diffusion
- Small and medium sized enterprises (SMEs)
- Operations and production management
- Project management
- Human resource management
- Managing change
- Supply chain management and logistics
- Strategic management and planning
- Socio-economic and environmental challenges relevance to Gum Arabic with particular emphasis on the significant challenges and opportunities major producing countries such as Sudan
- Behavioural economics and consumer studies

Technology

- Low productivity of the Gum Arabic sector in Sudan which is mainly driven by low technical efficiency
- Technology transfer and commercialisation
- Role of technology transfer in raising productivity of Gum Arabic
- Forestry research and technology
- Policy implications and sustainability of any massive investment in the production of Gum Arabic



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- Information and communication technologies, information systems/technology and e-commerce
- Best practice in the promotion of technologies
- Science, technology and innovation
- Industrial engineering and management

Travel and Transport

- Intelligent transportation systems
- Transportation planning
- Travel, transportation and tourism

Government and NGOs

- Government involvement in the production of Gum Arabic
- Informal sector
- Research and development
- Education

Women and Youth

- Empowering girls and women
- Advancing women in leadership
- Empowering indigenous women
- Empowering women in conflict and post-conflict settings
- Women and climate change

Security, Conflict and Disaster Management

- Conflict, peace, and security studies
- Disaster risk reduction (DRR) and humanitarian response
- Infrastructure development, maintenance, and upgrade

CONTENT

The journal publishes original papers, review papers, conceptual papers, technical reports, case studies, conference reports, management reports, book reviews, notes, commentaries, and news.

IJGA particularly encourages papers that significantly bring new knowledge to the area, both for academics and practitioners.

Special Issues devoted to important topics focusing on grouped themes to enhance journal structure such as the history and cultural anthropology of ***Gum Arabic***, cultural significance of ***Gum Arabic*** in major producing countries such as Sudan, and issues relating to land tenure, community



rights, and legal frameworks affecting production and trade, traditional knowledge and indigenous practices in gum collection and processing will occasionally be published.

EDITORIAL ADVISORY BOARD (EAB)

All members of the **IJGA** editorial committee are truly international in terms of their interests and range of specialisation. The validated academic background that they bring to bear on the quality of reviews, as well as their geographic areas of interest, fosters a uniquely different editorial experience.

We are continuously looking for nominations for distinguished academic and professional colleagues who would be interested in joining the EAB to support **IJGA**. Please contact us via the journal website if you would like to consider joining our EAB and/or nominate any suitable person to join.

INAUGURAL ISSUE

The response to our inaugural issue has been so high with many high quality papers received covering a wide range of focus and scope of **IJGA**.

The papers we selected have an interesting profile for the inaugural issue, covering a wide spectrum of topics and focus including selection of the best papers presented during WASD's 9th International Conference for Re-Building Sudan 2025 focusing on *Gum Arabic*, and several previous conferences organised by WASD on the future policy and strategy for *Gum Arabic*.

It is hoped that the ensemble of papers presented in this first issue will help to stimulate debate amongst scholars, researchers and policy-makers that will ultimately lead to a more integrated and multidisciplinary approach to the role of *Gum Arabic* in achieving SD in Sudan and many other countries.

Finally we hope you find our inaugural edition to be interesting and thought provoking, and look forward to receiving your valuable submission so we can continue to serve your needs to the very best of our ability. Any feedback you can provide will be greatly appreciated as we are always looking at ways in which we can improve your experience.

ACKNOWLEDGEMENTS

We are very grateful to all the distinguished members of our EAB and expert reviewers for graciously offering their invaluable comments that have enriched the quality of the papers in **IJGA** and for their continuous support, valuable time and efforts.



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Our most sincere thanks go to all the authors who shared their expertise and knowledge with the readers of **IJGA**; we hope they continue to support the journal and encourage all their colleagues and friends to also consider the journal for their research outcome.

Finally, we would like also to thank all the members of the WASD Publishing and Editorial committee, particularly Mrs Janet Snow (International Co-ordinator and Editor), Kumar Gaurav (Webmaster), Nada Yousry (Graphic Designer), Dr Samar Ahmed (WASD Executive), and all the volunteers from across the world for their continuous and endless assistance and support to **IJGA**.

BIOGRAPHY



Allam Ahmed is a Professor of Knowledge Management and Sustainable Development; Founding President World Association for Sustainable Development; Founding Director SDGs Universities Initiatives; and Honorary Professor Faculty of Medicine and Dentistry and Senior Policy Fellow Global Policy Institute, Queen Mary University of London. He is a Fellow (FCIM) and Chartered Marketer of the Chartered Institute of Marketing (CIM), UK; Fellow (FFPH) Faculty of Public Health, UK; PhD in Economics in two years at Edinburgh Napier University, UK; awarded the Royal Agricultural University (RAU) Scholarship and Prestigious Book Prize for Best MSc/MBA Dissertation; Listed in the Who's Who in the World 2009-2021 and 2021 Who's Who in the World Lifetime Achievement Award, Who's Who in Finance and Business 2009/2010 and Who's Who in America 2012-2014 published by Marquis Who's Who, USA.