
K. Henry Jonathan Ph.D. Grad IOSH

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SUMMARY

- ✚ Environmental Professional with over 17 years of experience in Environmental, Health & Safety Management, Infrastructure Development & Projects.
- ✚ Has more than 10 years of core teaching experience in higher education institutions in Oman and India besides active project supervision and independent research. Well-versed with the health, safety and environmental laws and regulations of UK, India and Oman.
- ✚ Completed Ph.D. in Environmental Sciences- 2009. Proficiency in teaching Environmental Management (health & safety) to graduate & engineer students. Skilled in environmental monitoring of air, water, noise, soil, and industrial gas emissions. Knowledge of operation of continuous ambient air quality monitoring and ambient air quality standards (NAAQS).
- ✚ Knowledge and exposure in HIRA, JHA, FTA, HAZOP, FMEA, ATEX, etc. Exposure to water quality analysis and parameters. UV-VIS Spectrophotometer analysis of heavy metals in water, Global Positioning System (GPS). Successfully practiced SPSS statistical software applications. Competency in devising significant solutions, implementing health safety management systems for maintaining sound environmental and safety conditions. Managing operations involving resource planning, materials planning, in-process inspection, team building, and coordination with the internal departments.

RESPONSIBILITIES

(Academic)

- Teaching course modules on subjects related to health, safety and environmental management to graduate students.
- Delivering course on NEBOSH IGC and IOSH managing safely to professional working employees and students.
- Dissertation project guidance, supervision, and facilitating the completion of their research work.
- Observing student's academic performance and appraisal through examinations, task assessments.
- Conducting industrial visits for students on health, safety, and environment management
- Assessing students' coursework & executing practices to augment pupil competence
- Organizing summer training and internship programs for students

Highlights:

- Efficiently managed to complete 2 consecutive independent scientific research projects funded by the Ministry of Environment & Forest (MoEF), Council for Scientific and Industrial Research (CSIR), Govt. of India.
- Gained exposure in working on 2 projects of World Bank-funded based on livelihood, environment conservation, infrastructure, and development

Non-Academic

- Prepared policy documents related to academic functioning, guidelines and procedures.
- Reviewing policy documents on academic teaching and learning
- Assisting in tasks related to quality assurance and accreditation
- Assisting student clubs, proposing ideas for student club events
- Preparing operational plans, for different academic functional areas and quality assurance
- Industry liaison for student internship placement and project supervision

RESEARCH PROFILE

- Chair- Research and Ethics Committee at International college of engineering and management (ICEM)
- Involved in developing the scope for potential research areas at Modern college of Business and Science (MCBS)
- Published 27 research papers in national and international journals, 1 accepted, 3 papers in preparation.
- Reviewed more than 20 international research papers in diversified research subjects
- Contributed 9 monthly newsletter articles related to biodiversity conservation and sustainable management
- Written 7 book chapters with leading international publishers
- Supervising and guiding research projects for bachelor's degree dissertation program.
- Undertaking graduate dissertation monitoring and ensuring the submissions through electronic form.
- Research publications in peer-reviewed journals
- Guiding in preparation and developing research and innovative ideas for research in potential fields.
- Developing and framing internship projects for graduates.
- Disseminating the ideas that have potential scope for research.

REVIEWER- Journals

- International journal of engineering research & technology
- Plant species biology (USA)
- Advances in science technology and engineering systems journal
- Modera Y Bosques journal – Spain
- Journal of soil science and environmental management

ADMINISTRATIVE ROLES

- Operating the respective Department effectively, coordinating with the respective UCLan Course Leaders on the delivery of Programs.
- Preparation of Departmental Budgets, strategic and operational plans for the academic year.
- Implementing policies and procedures across the respective departments.
- Performance appraisal of the respective faculty members, chairing the delegated committees.
- Conducting Phase Tests, Examinations.
- Authorizing leave of the respective faculty members in consultation with the Assistant Dean for Academic Affairs.
- Community Engagement and service to the college.
- Project Lead for bachelor's degree dissertation- guidance and monitoring student research projects
- Looking after course modules like science for the environment, principles of health, safety and environmental laws, safety technology, sustainable environmental management, human factors in health & safety & HSE in the workplace, environmental impact assessment, etc. to (HSEM) graduate students
- Delivering course on NEBOSH IGC and IOSH managing safely to professional working employees and students
- Observing student's academic performance and appraisal
- Conducting industrial visits for students on health, safety, and environment management
- Assessing students' coursework & executing practices to augment pupil competence
- Organizing summer training programs and industrial placements for students
- Internal committee member for research, OAAA, employer engagement, UMEP.

ACADEMIC COMMITTEES

Role- Member

- Member and Chair for research
- Department facilitator for OAAA accreditation
- Member of employer engagement committee

- Member of unfair means to enhance performance (UMEP) committee.
- Member of Academic council
- Risk management committee
- Member of College board
- Benchmarking Department Committee
- Academic Standards and Quality Committee
- Teaching and learning resources development committee (Gen. secretary)
- International Accreditation
- Quality assurance and accreditation
- Business research committee (Gen. secretary)
- Faculty board

Role – Chair

- Curriculum Development Committee
- Research and ethics committee

ADDITIONAL ROLES

- Academic advising- guidance, and support on academic matters and performance evaluation
- Member of Business Case study- special projects
- Prepared structure and syllabi for new majors- occupational hygiene and environmental waste management.
- Facilitating program revision for the BHSM program at MCBS.
- Application for professional body affiliation and membership- IOSH.

DOCUMENTS

- Prepared the following documents for the quality assurance unit:
 - Document control policy
 - Checklist policy development
 - Communication policy
 - E-Mail protocol policy
 - The academic grade approval policy
 - External speaker/guest policy
 - Assessment verification and moderation- policy
 - Flipped classroom approach- guidelines
 - Graduate internship policy and procedures
 - Research committee ToR

CAREER PROFILE

Position: Assistant Professor
Duration: 1st Sept 2019 to date
Dept: Health and Safety Management
Institute: Modern College of Business and Science

Position: Assistant Professor
Duration: 05th Oct 2011 to 08th August 2019
Head of Dept.: Nov 8th, 2017, to August 2019.
Dept.: Health, Safety, and Environmental Management
Institute: International College of Engineering and Management

Position: Environment and Safety Engineer
Duration: 31st Dec 2010 to 20th Sept 2011
Project: Strengthening and Widening of Jagityal- Peddapalli Road Project (2 lanes from Km 0+000 to Km 58+750 (JP-06) SH-4 (Under World Bank Loan Assistance)
Client: Andhra Pradesh Road Development Corporation, (APRDC) Hyderabad, India.

Consultant: URS Scott-Wilson India Pvt. Ltd.

Contractor: Transstroy India Limited-OJSV Joint Venture, Hyderabad

Position: Assistant Professor

Duration: 01st July 2010 to 30th Dec 2010

Dept.: Social and Humanities

Institute: St. Peter's Engineering College

Position: Senior Research Fellow (SRF)

Duration: 02nd July 2005 to 31st March 2010

Project: Biodiversity Conservation and Management in Coastal and Eastern Ghats region of Andhra Pradesh.

Dept.: Environmental Sciences, College of Science and Technology, Andhra University, Visakhapatnam.

Client: Ministry of Environment and Forests (MoEF) and Council of Scientific and Industrial Research (CSIR), Govt. of India, New Delhi.

Position: Project Associate

Duration: 14th July 2003 to 18th June 2004

Project: Andhra Pradesh Rural Poverty Reduction Programme (APRPRP).

Client: Society for Enhancement of Rural Poverty (SERP), Govt. of Andhra Pradesh, India.

Consultant: World Bank

Contractor: Centre for Environment Education (CEE) India.

Position: Agriculturist- Watershed Development Team (WDT)

Duration: 01st Dec 1998 to 14th Aug 2000

Project: Watershed Development Programme (WDP) for drought-prone areas of Andhra Pradesh.

Client: Drought Prone Area Programme (DPAP), Govt. of India. New Delhi.

Consultant: World Bank

Contractor: Progress (PIA), NGO, Hyderabad, India.

MAIN QUALIFICATIONS

Academic Qualifications (Main)

- **Doctor of Philosophy-** Environmental Sciences, August 2009, Andhra University, India.
- **Master's Degree-** Environmental Sciences, April 2002, Andhra University, India.
- **Bachelor's Degree-** Farm Science & Rural Development, April 1995, Loyola Academy, India.
- **Bachelor's Degree-** Education, May 2004, Osmania University, India.

Core area qualification- Health Safety and Environmental Management

- International Diploma- NEBOSH- IDIP – pursuing.
- ISO 45001: 2018 OHSMS internal auditor course, JD institute of health and safety, Oman.
- Post Graduate Program in Industrial Safety- University of Petroleum and Energy Studies, India
- International General Certificate in Occupational Health and Safety, NEBOSH- IGC, UK.
- Post Graduate Diploma in Health, Safety and Environment, Annamalai University, India.
- Professional Certificate Program in Occupational Safety and Health, OSHA, USA.
- Course in Managing Safely, IOSH, UK.

Memberships of Professional Bodies

- **GradIOSH-** Institute of Occupational Safety and Health, UK- Membership # 186356 – to be renewed
- **Member-** American Society of Safety Engineers, USA.
- **IEEE-** Member, USA # 95236712- expired

Approvals (accredited to train)

- NEBOSH IGC- Approved Tutor, UK- not active
- IOSH- Managing Safely & Working Safely, Approved Tutor, UK- not active

COURSE training (Academic & Professional Development)

- Certificate course- First Aid, CPR & AED- Jabal Dami Health and Safety Training Institute-Muscat, Oman.
- Certificate course- Accident investigation- Jabal Dami Health and Safety Training Institute-Muscat, Oman.
- Certificate course- Risk assessment- Jabal Dami Health and Safety Training Institute- Muscat, Oman.
- ISO 14001:2015-Environmental Management System Lead Auditor, BSI, India.
- Heartsaver-first aid, CPR, AED from American Heart Association AHA
- Workshop- Graduate attributes and learning outcomes, Faculty development program, 2018, ICEM.
- Workshop- Curriculum mapping, Faculty development program, 2018, ICEM.
- Workshop- Operational planning, Faculty development program, 2018, ICEM.
- Workshop- Performance review, Faculty development program, 2018, ICEM.
- Workshop- Action planning, Faculty development program, 2018, ICEM.
- Workshop-Fire Fighting and Evacuation, 2014, ICEM, Oman.
- Training- Mathematical Algorithms & Statistical Analysis, 2007, Andhra University, India.
- Workshop- Research Methodology, 2015, Sultan Qaboos University, Oman.
- Course- Climate Change, 2016, University of Exeter, UK.
- Course- Occupational Health in Developing Countries, 2016, University of Bergen, Norway.
- Course- Make an Impact: Sustainability for Professionals, 2016, University of Bath, UK.
- Webinar- Making the Transition to ISO 14001:2015, 2016, British Safety Council, UK.
- Course- Wind Energy: from Wind Turbines to Grid Integration, 2017, UK.
- Course- Job Hazard Analysis (JHA), Oregon- OSHA, 2017, USA.
- Course- Diploma in workplace safety and health, 2019, Alison training, online.
- Course- Effects of pollution on the aquatic environment, April 2020, OpenLearn, The Open University-Online.

INSTRUMENTATION (Equipment and operation)

- Analysis- Atomic Absorption Spectroscopy- standardization, calibration, testing, and recording.
- Meter- multi-gas detector calibration, operation, standardization, and recording.
- Haz-Dust- Hazardous dust meter- calibration, measurement, data recording, and interpretation.
- Monitoring- Air, water, soil, and noise-procedure, operation, data recording, and analysis.
- Equipment- High volume and low volume dust sampler-installation, calibration, standardization, recording, and data analysis.
- Instruments- Measurement of illuminance, sound, dissolved oxygen, turbidity, pH, electrical conductivity, sample collection, recording, and data analysis.
- Renewable energy- wind, solar energy-operation, output potential calculation, conversions, and analysis.

TASKS (Achieved, skillset and Knowledge)

- Environmental Impact Assessment (EIA) preparing EMP report, environmental monitoring of air, water, noise, and soil.
- Delivered NEBOSH- IGC to one batch successfully to the working staff.
- Air pollution meteorology, atmosphere hazardous chemical vapor dispersion models ISC AERMOD & ALOHA
- Solid waste management, disposal methods & calculation of solid waste recycling rate.
- Tigers, co-predators, prey with WWF- Andhra Pradesh State Office, Hyderabad
- Safety programs for workers in rice breeding institute.
- Incident investigation & reporting, documentation, hazard assessment for an electrical accident in pioneer hybrid seeds Hyderabad.

- PPE assessment survey, risk assessment, hazard assessment, and risk control appraisal.
- Practical experience in water analysis and quality parameters.
- Conducted mock fire safety drill and emergency response evacuation program in Rice Research Station
- Health & safety compliance check, internal audit in Rice Research Station
- Working process of Effluent Treatment Process operation in beverage industries.

ACHIEVEMENTS (awards and volunteer)

- Shukran award 2021- PDO, Oman in recognition for support in On Job Training program for creating job opportunities in HSE.
- Volunteer- Subject expert for a field training program on Against Wildlife Trade for Green Mercy- Wildlife NGO, Vizag.
- Volunteer- Tigers, co-predators, prey with WWF- Andhra Pradesh State Office, Hyderabad.
- Award- Best research paper presentation, National Seminar on Biodiversity Conservation and Environmental Biotechnology, Andhra Pradesh.
- Award- Vruksha Mitra, nominated by Kannam Srinivasa Rao Memorial Charitable Trust, Visakhapatnam

PROFICIENCY (computer skills)

- Excellent level in report drafting and preparation. Skillful in English, Hindi, and regional language.
- Experience in research review and writing.
- Involvement in academic and industrial documentation procedures and data management for compliance
- Proficiency in computer operating systems (Windows all versions).
- Expertise in using Microsoft Office and other packages.
- Familiar with working with AutoCAD, SPSS, and environmental software.

RESEARCH PUBLICATIONS (NATIONAL AND INTERNATIONAL)

Year 2005-2007

- 1) Solomon Raju, A. J., Rao, S. P., and **Henry Jonathan, K.** (2006). Andromonoecy, insect pollination, and fruiting behavior in *Acacia caesia* (L.) Willd (Mimosaceae) in the Eastern Ghats. *Curr. Sci.* 91: 939-943.
- 2) Solomon Raju, A. J., **Henry Jonathan, K.** and Vijayalakshmi, A. (2006). Pollination biology of *Ceriops decandra* (Griff.) Ding Hou (Rhizophoraceae), a true viviparous mangrove tree species. *Curr. Sci.* 91: 1235-1238.
- 3) Solomon Raju, A. J., Rao, S. P. and **Henry Jonathan, K.** (2006). Ornithophily in melittophilous flowers of the orchid tree, *Bauhinia variegata* L. (Caesalpiniaceae) in the Eastern Ghats forests of India. *J. Bom. Nat. His. Soc.* 105: 115-118.

Year 2008-2010

- 4) Solomon Raju, A. J., **Henry Jonathan, K.** and Rao, S.P. (2008). Traditional extraction of bark tannin from the mangrove tree, *Ceriops decandra* (Rhizophoraceae) and its use in treating cotton fishing nets for durability. *Nat. Prod. Rad.* 7: 173-175.
- 5) Solomon Raju, A. J. and **Henry Jonathan, K.** (2008). Reproductive ecology of mangrove trees *Ceriops decandra* (Griff.) Ding Hou and *Ceriops tagal* (Perr.) C. B. Robinson (Rhizophoraceae). *Acta Bot. Cro.* 67: 201-208.
- 6) Aluri Raju, A. S., Ramana, K.V. and **Jonathan, K.H.** 2009. Anemophily, anemochory, seed predation and seedling ecology of *Shorea tumbergaia* Roxb. (Dipterocarpaceae), and endemic and globally endangered red listed semi-evergreen tree species. *Curr. Sci.* 96: 827-833.
- 7) **Jonathan, K. H.**, Solomon Raju, A. J., Suseela Branham, K. and Sunanda Devi, D. 2009. Interactions between insect pollinators and ornamental tree, *Tecoma stans* (L.) (Bignoniaceae). *J. Threatened Taxa.* 1: 126-127.

- 8) **Henry Jonathan, K.** and Solomon Raju, A. J. 2009. Insect pollination and self-planting seed dispersal strategy in the true viviparous mangrove tree species, *Ceriops tagal* (Perr.) C. B. Robinson (Rhizophoraceae). *J. Threatened Taxa*. 1: 133-140.
- 9) A. J. Solomon Raju. and **K. H. Jonathan**. 2010. Anemophily, accidental cantharophily, seed dispersal and seedling ecology of *Cycas sphaerica* Roxb. (Cycadaceae), a data-deficient, red-listed species of northern Eastern Ghats. *Curr. Sci.* Vol 99. 1105-1111.
- 10) A. J. Solomon Raju and **K. H. Jonathan**. 2010. Reproductive ecology of *Cycas beddomei* Dyer (Cycadaceae), an endemic and critically endangered species of Southern Eastern Ghats. *Curr. Sci.* 99. 1833-1840.
- 11) **K. H. Jonathan**. 2010. Flowering phenology and pollination mechanism of some mangrove plants. *Advances in Pollen-Spore Research*. XXVIII. 1-16.

Year 2011-2013

- 12) **K. Henry Jonathan**, P. Suvarna Raju, D. Sunanda Devi, Rajendra Kumar, G. Lakshminarayana, S. Purnachandra Rao, P. V. Subba Rao and G. Ravi Kumar. 2013. Pollination ecology of *Derris trifoliata* (fabaceae). *Journal of Palynology*. Vol 49: 173 -180.
- 13) **K. H. Jonathan**, Rajendra Kumar, P. Hareesh Chandra, A. J. Solomon Raju and P. Suvarna Raju. 2013. Reproductive ecology of *Aegialitis rotundifolia* ROXB. *Advances in pollen spore research*. Vol XXX. 1-8.
- 14) P. Suvarna Raju, **K. Henry Jonathan** and A. J. Solomon Raju. 2012. A study on floral biology and pollination in *Excoecaria agallocha*. L. (Euphorbiaceae). *IFGTB Journal. Tropical Ecosystem Structure. Function services*. 1435-1436.

Year 2016-2018

- 15) **K. H. Jonathan** and P. Suvarna Raju, 2016. A study on radon gas and lung cancer incidence in indoor environment in Oman. *International Journal of Engineering and Applied Sciences*, Vol. 3 (12), pp. 17-21.
- 16) **K. H. Jonathan** and P. Suvarna Raju, 2017. Analysis of rainfall pattern and temperature variations in three regions of sultanate of Oman. *International Journal of Civil Engineering and Technology*, Vol. 8 (2), pp. 173-181.
- 17) Jacob Solomon Raju ALURI and **Henry Jonathan KARYAMSETTY**, 2018. Reproductive ecology of *Aegialitis rotundifolia* roxb., a crypto-viviparous mangrove plant species in Krishna mangrove forest, Andhra pradesh. *Transylv. Rev. Syst. Ecol. Res.* 20 (1) pp. 17-30.
- 18) **Henry Jonathan Karyamsetty** and Jacob Solomon Raju Aluri, 2018. Ambophily in the Dioecious weedy mangrove associate, *Excoecaria agallocha* (Euphorbiaceae). *Transylv. Rev. Syst. Ecol. Res.* 20 (2) pp. 15-28.
- 19) **Jonathan Henry Karyamsetty**. 2017. Floral Diversity, phenology and pollination mechanism of true viviparous and crypto-viviparous mangroves of Godavari and Krishna Delta of Andhra Pradesh, India. *Int. J. Conserv. Sci.* 724 8 (4) pp. 723-730.
- 20) Jacob Solomon Raju Aluri and **Henry Jonathan Karyamsetty**. 2018. Reproductive ecology of *Bruguiera cylindrica* (L.) Bl. (Rhizophoraceae), a true viviparous mangrove tree species in Coringa mangrove forest, Andhra Pradesh (India). *Transylv. Rev. Syst. Ecol. Res.* 20 (3) pp. 31-38.

Year 2019-2021

- 21) Hesham Magd and **Henry Karyamsetty**. 2020. Integrated management system implementation in SMEs: a proposed model for organizational performance and sustainability. *International Journal of Business and Management Review*. 8 (4), pp. 58-77.
- 22) Magd Hesham, Asmi Khalfan, **Henry Karyamsetty**. 2020. COVID-19 Influencing Factors on Transmission and Incidence Rates-Validation Analysis. *Journal of Biomedical Research and Environmental Science*. 1(7), pp. 277-291.

- 23) Hesham Magd and **Henry Karyamsetty**. 2020. Organizational performance and sustainability in manufacturing and service through TQM implementation. *Open Journal of Business and Management*. 8, pp. 2775-2804.
- 24) Hesham Magd and **Henry Karyamsetty**. 2021. CoVID- 19- A global exploratory study on the incidence rates. *Journal of Environmental Science and Public Health*. 5(1), pp. 32-49.
- 25) Hesham Magd and **Henry Karyamsetty**. 2021. Organizational sustainability and TQM in SMEs: a proposed model. *European Journal of Business and Management*. 13(4), 88-97.
- 26) Hesham Magd and **Henry Karyamsetty**. 2021. Assessing the significance of corporate social responsibility actions to achieve sustainable business and organizational performance during COVID-19 pandemic in Oman. *Global Business and Management Research: An International Journal*. 13(3), 10-24.
- 27) Hesham Magd and **Henry Karyamsetty**. 2021. Coronavirus Disease-19 - Multi-dimensional Analysis on Incidence Rates- A Global Perspective Study. *Challenges in Disease and Health Research* Vol. 9, 91–111. <https://doi.org/10.9734/bpi/cdhr/v9/2658F>
- 28) Hesham Magd and **Henry Karyamsetty**. 2021. Global Analysis of Potential COVID 19 Transmission and Ena-abling Factors. *Global Journal of Epidemiology and Infectious Disease*, 1, 46-61.
- 29) Hesham Magd and **Henry Jonathan**. 2022. The Role of Accrediting Agencies: GCC Perspective. In *Global Perspectives on Quality Assurance and Accreditation in Higher Education Institutions*. IGI global. DOI: 10.4018/978-1-7998-8085-1.ch004.

Year 2022-2024

- 30) Hesham Magd and **Henry Jonathan**. 2022. Limitations and Challenges of Online Teaching at Omani's HEI's. *International Journal of Information and Education Technology*. Accepted for publication.
- 31) **Henry Karyamsetty** and Hesham Magd. 2021. Lockdown and movement ban strategies to control new COVID-19 infections: a case study of Oman. *Journal of Sustainability Science and Management*. 17(1), pp. 1-15.
- 32) Raju Palathoti Survarna, **Jonathan Karyamsetty Henry**, Solomon Raju. 2022. Flower-insect interactions with special reference to honeybees with some plant species (*Albizia lebeck*, *Calliandra brevipes*, *Calliandra haematocephala*, *Mimosa pudica*, *Pithecellobium dulce*, *Hamelia patens*, *Mitragyna parvifolia* and *Hugonia mystax*). *Species*. 23(71), pp. 285-296.
- 33) Raju Palathoti Survarna, **Jonathan Karyamsetty Henry**, Solomon Raju. 2022. Melittophily and censer seed dispersal mechanism in *Argemone mexicana* L. (*Papaveraceae*). *Species*. 23(71). pp. 246-250.
- 34) **Henry Jonathan**, Hesham Magd 2022. Digital Technology Metamorphosis of Teaching and Learning in Higher Education Institutions- A Sustainable Vision to Educational System Amid COVID Pandemic. Ready for submission.
- 35) Hesham Magd, **Henry Jonathan**, Shad Ahmad Khan, and Mohammad Al Geddawy. 2022. Artificial Intelligence—The Driving Force of Industry 4.0. In *A Roadmap for Enabling Industry 4.0 by Artificial Intelligence*. Wiley. pp. 336.
- 36) Hesham Magd and **Henry Jonathan**. 2022. Digitalization- An Emerging Business Trend for Sustainable Transformation of SMEs Sectors- A Proposed Model for Survival and Sustainability in Uncertainties. *Global Business and Management Research: An International Journal*. Vol. 14. No.2. pp. 51-65.
- 37) **Henry Jonathan**, Hesham Magd and Aatadal Al Salhi. 2022. Climate Smart Agriculture and Mitigation Techniques for Sustainable Resilient Farming in Middle East Region. *Global Business and Management Research: An International Journal*. Vol. 14. No.2. pp. 8-19.
- 38) Hesham Magd and **Henry Jonathan**. 2022. Limitations and Challenges of Online Teaching at Higher Education Institutions in Oman. *International Journal of Information and Educational Technology*. Vol. 13, No. 5, pp. 831-837.
- 39) **Henry Karyamsetty** and Hesham Magd. 2022. Analysis of Business Challenges and Opportunities Within the Era of COVID: Strategies for Sustainable Business. Digital economy, Business

analytics, and big data analytics applications. *Studies in Computational Intelligence*. Vol. 1010. Springer Nature.

- 40) Hesham Magd, **Henry Jonathan** and Shad Ahmad Khan. 2023. Education Situation in Online Education before the Pandemic and in the Time of Pandemic. In *Advances in Distance Learning in Times of Pandemic* Ed. CRC press, Taylor & Francis.
- 41) Hesham Magd and **Henry Jonathan**. 2023. Limitations and Challenges of Online Teaching at Higher Education Institutions in Oman. *International Journal of Information and Education Technology*, Vol 13. No. 5. pp. 831-837.
- 42) Hesham Magd, **Henry Jonathan** and Mohammad Ansari. 2023. Building and Developing an Enhanced Culture of Academic Integrity in HEIs in Oman. *Res Militaris*. Vol. 13. No. 2. pp. 300-315.
- 43) **Henry Jonathan**, Shad Ahmad Khan, and Anand Nayyar. 2023. Envisioning toward modernization of society 5.0- A prospective glimpse on status, opportunities, and challenges with XAI. In *XAI Based Intelligent Systems for Society 5.0*. Elsevier.
- 44) Hesham Magd, **Henry Jonathan**, Kalfan Al Asmi. 2024. Coronavirus Disease Incidence Resonance with Coastline Dynamics: An Evaluation on Global Resurgence of the Pandemic. *Emerging Science Journal*. Vol. 7, No.5, pp. 1827-1842.
- 45) **Henry Jonathan** and Hesham Magd, 2024. The Future of Vertical Farming in Oman as a Vehicle for Boosting Entrepreneurship. *Kurdish Studies*. Vol. 12, No. 2, pp. 5490-5501.
- 46) Khan, S.A., Magd, H., Bhuyan, U., **Jonathan, H.** and Naim, A. (2024), "Digital Marketing (DM): How are Small Business Enterprises (SBEs) of Bhutan and Sikkim (India) Responding to it?", Singh, N., Kansra, P. and Gupta, S.L. (Ed.) *Digital Influence on Consumer Habits: Marketing Challenges and Opportunities*, Emerald Publishing Limited, Leeds, pp. 135-145. <https://doi.org/10.1108/978-1-80455-342-820241008>
- 47) **Henry Jonathan**, Hesham Magd and Shad Ahmad Khan. (2024). Artificial Intelligence and Augmented Reality: A Business Fortune to Sustainability in the Digital Age. Singh, N., Kansra, P. and Gupta, S.L. (Ed.) *Navigating the Digital Landscape*, Emerald Publishing Limited, Leeds, pp. 85-105. <https://doi.org/10.1108/978-1-83549-272-720241005>.
- 48) **Jonathan, Henry**, and Hesham Magd. "A Strategic Perspective Analysis of Educational Transformation in Higher Education Institutions in the Middle East and Africa: Response to the Pandemic." *Evaluating Global Accreditation Standards for Higher Education*, edited by Arshi Naim, et al., IGI Global, 2024, pp. 18-34. <https://doi.org/10.4018/979-8-3693-1698-6.ch002>
- 49) Ansari, M. S. & **Jonathan, H.** (2024). Significance of Capacity Building Through Professional Development Programs: Pathways to Accreditation in HEIs. In A. Naim, A. Saklani, S. Khan, & P. Malik (Eds.), *Evaluating Global Accreditation Standards for Higher Education* (pp. 265-277). IGI Global. <https://doi.org/10.4018/979-8-3693-1698-6.ch018>.

RESEARCH PROJECT- THE RESEARCH COUNCIL- OMAN-MOHERI

- Project principal investigator: **Dr. Henry Jonathan**
- Co- Principal Investigator: Dr. Hesham Magd
- Title: The future of vertical farming in Oman- Prospects for boosting agriculture and entrepreneurship towards vision 2040.
- Tenure: 2022-2024.

ARTICLES

1. **Henry Jonathan, K.** and Solomon Raju, A. J. 2005. Terrestrial and epiphytic orchids of Eastern Ghats. *EPTRI-ENVIS Newsletter*. 11: pp. 2-4.
2. Solomon Raju, A. J. and **Henry Jonathan, K.** 2006. Knowledge of tribals in biodiversity conservation in the Eastern Ghats forests. *EPTRI-ENVIS Newsletter*. 12: pp. 2-3.
3. **Henry Jonathan, K.** 2006. Ecological and economic aspects of certain endemic flora of Eastern Ghats forests. *EPTRI-SNDP Newsletter*. pp. 8-9.

4. **Henry Jonathan, K.** Solomon Raju, A. J. 2006. Aquatic faunal resources of Eastern Ghats region- an overview. *EPTRI-ENVIS Newsletter*. 12:10-12.
5. **Henry Jonathan, K.** and Solomon Raju, A. J. 2007. Threats to biodiversity of Eastern Ghats: the need for conservation and management measures. *EPTRI-ENVIS Newsletter*. 13: pp. 9-10.
6. **Henry Jonathan, K.** 2007. Sundarbans the only mangrove tiger land in the world-a unique wetland ecosystem. *Our Earth*. 4: pp. 35-38.
7. **Henry Jonathan, K.** 2008. Autecology of common crow *Euploea core core* Cramer. Danaidae- review of its habitat and life cycle. *Our Earth*. 5: pp. 1-4.
8. **Henry Jonathan, K.** 2009. Sacred groves- the need for their conservation in the Eastern Ghats region. *EPTRI- ENVIS Newsletter*. 14: pp. 3-5.
9. **Henry Jonathan, K.** 2009. Aquatic faunal diversity of the Eastern Ghats of India with reference to wetland habitats. *Our Earth*. Vol. 5 (3): pp. 24-26.

BOOK CHAPTERS

- 1) **Henry Jonathan, K.** Solomon Raju, A. J. 2007. Pollen flora of honeybees in mangrove forests of Andhra Pradesh. *Advances in Pollen Spore Research*. XXV, 151-155.
- 2) **Henry Jonathan, K.** 2006. Pollen allergy incidence in India-an overview. *Advances in Pollen Spore Research*. 24: 141-147.
- 3) **Henry Jonathan, K.** and Solomon Raju, A. J. 2008. Energetics of pollen protein content of some plant species in relation to foraging behaviour of honeybees. *Advances in Pollen Spore Research*. 26: 41-53.
- 4) **Henry Jonathan, K.** 2009. Organic farming: an effective approach for sustainable agriculture. *Bio-resources Conservation and Management*. 189-198.
- 5) Solomon Raju, A. J., Rao, S. P. and **Henry Jonathan, K.** 2009. Andromonoecy, entomophily and fruiting behaviour in *Acacia farnesiana* (L.) Willd. (Mimosaceae). *Bio-resources Conservation and Management*. 105-120.
- 6) Hesham Magd and **Henry Karyamsetty**. The role of accrediting agencies: GCC perspectives; in preparation for book chapter. IGI global publisher of timely knowledge. DOI: 10.4018/978-1-7998-8085-1.ch004
- 7) Hesham Magd and **Henry Karyamsetty**. 2021. Corona virus disease-19- a multidimensional analysis of incidence rates- a global perspective study. Chapter 10, *Challenges in disease and health research*, Vol 9. BP International publishers. pp. 91-111.
- 8) Hesham Magd and **Henry Jonathan**. 2022. Artificial Intelligence- The Driving Force of Industry 4.0. Scrivener publishing. 2022. (In press).
- 9) Hesham Magd, **Henry Jonathan** and Shad Khan. 2022 Educational situation in online education before the pandemic and in the time of the pandemic. Chapter 1, *Advances in Distance Learning in Times of Pandemic*. CRC press, (Accepted in press).

CONFERENCE PRESENTATIONS

- 1) Presented paper titled "Association of the oriental latrine fly, *Chrysomya megacephala* F. with some mangrove plant species", in National Symposium on Functional Biodiversity and Ecophysiology of Animals, organized by Centre of Advanced Study, Dept. of Zoology, Benaras Hindu University, Varanasi.
- 2) Presented paper titled "Pollination ecology of viviparous mangrove *Bruguiera gymnorhiza* L. Rhizophoraceae in 1st AP Science Congress, Organized by Department of Plant Molecular Biology and Andhra Pradesh Akademic of Sciences, Osmania University.

- 3) Presented paper titled "Role of floral biology and biochemical profiles of floral rewards in the foraging ecology of honeybees", in National Seminar on Biodiversity Conservation and Environmental Biotechnology, Department of Zoology, VSR and NVR College, Tenali, Andhra Pradesh.
- 4) Presented paper titled "Reproductive ecology and seed dispersal in *Ceriops decandra* (Griff.) Ding Hou and *Ceriops tagal* (Perr.) C. B. Robinson (Rhizophoraceae) in 95th Indian Science Congress, Visakhapatnam.
- 5) Presented paper titled "Floral resources of honeybees in the Eastern Ghats: the need for their conservation and management" in National Seminar on Conservation of Eastern Ghats, Environmental Protection Training and Research Institute (EPTRI), Hyderabad.
- 6) Presented paper titled "Organic farming: an effective approach for sustainable agriculture" in the National Seminar on Organic Farming: Trends and Challenges, Organized by Department of Rural Development, Madurai.
- 7) Presented paper titled "Waste mobiles and computers: A critical evaluation" in the 2nd international conference on applied information and communications technology, ICAICT 2014, Middle East College, Muscat, Oman.
- 8) Presented paper titled "AERMOD- Atmospheric dispersion modelling: an evaluation tool for pollutant GLC from biomass burning power plants" in the conference on nanotechnology for water treatment and solar energy applications 2015, Sultan Qaboos University, Muscat, Oman.
- 9) Presented paper on "Assessing the significance of corporate social responsibility actions to achieve sustainable business and organizational performance during the COVID-19 pandemic in Oman. 1st Business and Entrepreneurship Conference. 31st March -1st April 2021.
- 10) K. Henry Jonathan. Strategic management of health and safety to overcome uncertainties during pandemics- focus on Covid -19. In: Environment Health and Safety Summit- challenges and solutions- industrial safety in new normal. EHS Virtual Summit; August 20-22nd 2020, India.
- 11) Presented paper titled "Analysis of business challenges and opportunities within the era of COVID: strategies for sustainable business. The 17th Scientific Annual International Conference for Business- the digital economy and business analytics. 25th October – 27th October 2021. Faculty of Business, Al-Zaytoonah University of Jordan. Amman.
- 12) Presented paper titled "Digital Technology Metamorphosis of Teaching and Learning in Higher Education Institutions- A Sustainable Vision to Educational System Amid COVID Pandemic. 1st Economic transformation and sustainability- The international conference. jointly organized by Modern College of Business and Science with the Centre for Research on Economic relations, MID Sweden University, SWEDEN, Oxford Educational Research and Training [OXERT], UK, Indian Economic Association, INDIA, and Faculty of Commerce, Aligarh Muslim University, INDIA, March 28-30, 2022.
- 13) Presented paper titled "Digitalization- An Emerging Business Trend for Sustainable Transformation Of SMEs Sectors- A Proposed Model For Survival And Sustainability In Uncertainties. 1st Economic transformation and sustainability- The international conference. jointly organized by Modern College of Business and Science with the Centre for Research on Economic relations, MID Sweden University, SWEDEN, Oxford Educational Research and Training [OXERT], UK, Indian Economic Association, INDIA, and Faculty of Commerce, Aligarh Muslim University, INDIA, March 28-30, 2022.
- 14) Presented paper titled "Climate Smart Agriculture and Mitigation Techniques for Sustainable Resilient Farming in Middle East Region. 1st Economic transformation and sustainability- The international conference. jointly organized by Modern College of Business and Science with the Centre for Research on Economic relations, MID Sweden University, SWEDEN, Oxford Educational Research and Training [OXERT], UK, Indian Economic Association, INDIA, and Faculty of Commerce, Aligarh Muslim University, INDIA, March 28-30, 2022.
- 15) Presented paper titled "Transforming educational system: An emerging trend toward online teaching and learning in Oman's HEIs". 4th International Research Conference, American University in the Emirates. 21st to 24th May 2022.
- 16) Presented paper titled "Limitations and Challenges of Online Teaching at Higher Education Institutions in Oman", at 6th International Conference on Education and Distance Learning (ICEDL). Italy, July 21st - 23rd 2022.
- 17) Speaker for QS higher Ed Summit: Middle east and Africa. Organized by American University of the Middle east. 12th -14th March, Kuwait.

- 18) Presented paper titled "Academic Integrity in HEIs as An Indicator for Institutional Excellence: Challenges and Opportunities". 5th World Conference on Education and Teaching. Stockholm, Sweden. August 3rd – 5th 2023.
- 19) Presented paper titled "Coronavirus Disease Incidence Resonance with Coastline Dynamics- An Evaluation on Global Resurgence of the Pandemic. First Virtual International Conference on Allied Health Sciences (ICAHS-2023)," October 24th & 25th, 2023, University of Buraimi, Oman.
- 20) Presented paper titled "The Role of Digital Transformation in Enhancing Operational Excellence and Sustainability in Organizations" in the 2nd international conference on innovation in information technology and business, Modern college of business and science, April 29-30th, 2024.
- 21) Conducted a workshop on management of health and safety and adaptive mechanisms to sustain Covid crisis at international college of engineering and management, 7th February 2024, Oman.

RESEARCH CONTRIBUTIONS

1. Session chair for 2nd international conference on innovation in information technology and business, Modern college of business and science, April 29-30th, 2024.
2. Participated in international occupational health summit, IOHS, 4-7th February 2024, Oman.

RESEARCH MANUSCRIPTS REVIEWED

- 1) Study the effect of flooding on peatland in uminh thuong national park Vietnam: Journal of Soil Science and Environmental Management- 2020. Manuscript ID: JSSEM-06.08.19-0776
- 2) "Current Status and Potential of Some Important Species of Mangrove Forest in Kien Giang and Ca Mau province, Viet Nam": Journal of Horticulture and Forestry- 2019. Manuscript ID: JHF-05.08.19-0601
- 3) *Bidens pilosa* L.: exclusive report of vivipary in a non-mangrove taxon from Eastern Himalayas: Plant Species Biology- 2019. Manuscript ID: PSB-2018-0078.
- 4) *Croton guatemalensis* (Euphorbiaceae) phenology at the Zoque Tropical Forest Biological Corridor. Madera Y. Bosques Journal. Institute of Ecologia. Code 1969.
- 5) **International Journal of Engineering Research and Technology**
 - i. Understanding the Drives for Electricity Consumption to Implement Green Building Concept for Single House in Urban Areas. 2017-V6IS03ASI0634
 - ii. An Evaluation of the Current Status of EIA System in Pakistan focusing Khyber Pakhtunkhwa. 2017-V6IS04ASI0012
 - iii. Characterization of air pollutants in sub-urban area of Lucknow. 2017- V6IS05ASI1245
 - iv. Occurrence and Toxicity Assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in Mangrove Soil of Dong Rui area, Vietnam. 2018- V7IS01ASI0122.
 - v. Use of Industrial Waste in the Field of Construction. 2018- V7IS06ASI0359
 - vi. E - Waste Management: Initiatives of Government. 2019-V8IS05ASI0743
 - vii. Solid-state anaerobic fermentation of sorted municipal solid waste in thermophilic condition. 2019-V8IS05ASI1732
 - viii. Start-up and granulation process inside a UASB reactor. 2019-V8IS07ASI0019
 - ix. Environmental Factors Affecting Growth of Pathogenic Fungi Causing Fruit Rot in Tomato (*Lycopersicon Esculentum*). 2017-V6IS02ASI0874.
 - x. Comparative analysis of the impact of globalization on human welfare in sub-Saharan Africa. 2018-V7IS04ASI1211.
 - xi. Green Infrastructure Measures to Mitigate Urban Heat Island Effect: a Case of Hyderabad City. 2019-V8IS04ASI2281
 - xii. Partial Replacement of Cement by Sewage Treatment Plant Sludge in Eco-Friendly Cement Mortar. 2022- V11IS01ASI0362
- 6) Responsibility of Management Education to preserve and transform environment sustainability. Int. J. of Pluralism and Economics Education. Special issue: Can a Pluralist Economics Education Bridge the Gap to Reach Planetary Sustainability. Inderscience. Manuscript ID: IJPEE 124210.

REVIEWED- COURSE/PROGRAM

- Reviewed Bachelor of Science in Occupational Health and Safety program, University of Buraimi, Oman. 2020.
- Reviewed master's program in health, safety and environmental management, International College of Engineering and Management. Oman.