# John Elvis Hagan Jnr.

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## RESEARCH

| | |
|---|---|
| Interests | Sport and Exercise Psychology · Health Education and Promotion · Sexual/Reproductive Health |
| Areas | General Health Professions · Clinical Psychology · Social Psychology · Pediatrics, Perinatology and Child Health · Public Health, Environmental and Occupational Health · Sociology and Political Science |

## RESEARCH SUMMARY

| 182 | 3,179 | 30 | 98 | 3.32 | 41% |
|---|---|---|---|---|---|
| Publications | Citations | h-index | i10-index | Field-weighted impact | World top 10% |

Counted from the 182 publications listed below, 2012–2026. Field-weighted impact is the mean over the 182 works scored for it; 1.00 is the world average for works of the same field, type and year. 74 of the 182 papers scored for it are among the world's most cited tenth for their field, type and year.

## POSITIONS

**Post-doctoral** 2019–present
Sports Science, Bielefeld University, Bielefeld, Germany

**Senior Lecturer** 2010–2019
Department of Health, Physical Education and Recreation, University of Cape Coast, Cape Coast, Ghana

## EDUCATION AND QUALIFICATIONS

**PhD Sport and Exercise Psychology/ Intelligent Systems** 2014–2018
Bielefeld University, Bielefeld, Germany

## DISTINCTIONS, MEMBERSHIPS AND SERVICE

**Best Dissertation Award** 2019
Faculty of Psychology and Sports Science, Universität Bielefeld, Bielefeld, Germany

## PUBLICATIONS

### Journal articles 182

1. Mohamed Ali Sifi, Hamza Marzouki, Okba Selmi, Bilel Sdira, Bilel Cherni, **John Elvis Hagan**, Dan Iulian Alexe, Alexandru Ioan Băltean, Vlad Adrian Geantă, Wafa Douzi, Anissa Bouassida (2026). A three-week mindfulness intervention on mental skills, internal-load regulation, and performance in youth swimmers: a randomized controlled trial. *Scientific Reports*. https://doi.org/10.1038/s41598-026-48457-8
2. Safwen Rekik, Mohamed Saifedine Fessi, Sami Hidouri, **John Elvis Hagan Jnr**, Viorel Petru Ardelean, Vlad Adrian Geantă, Khaled Trabelsi, Wassim Moalla (2026). Acute Effects of Guarana (Paullinia cupana) Supplementation on Cognitive Performance, Technical Skills, and Physiological Responses in Amateur Soccer Players. *Sports*. https://doi.org/10.3390/sports14080329
3. Sumaia Sahrin, Md. Hasan Al Banna, Justice Kanor Tetteh, Trisha Mallick, Humayra Alam Mouly, Tasnim Rahman Disu, Mst. Umme Hafsa Begum, Shammy Akter, Md. Ahasanul Haque Saiem, **John Elvis Hagan**, Jasmin Ara Farhana (2026). Additional file 1 of Anemia prevalence and its association with dietary

diversity, tea consumption, body mass index, and medical history among female university students in southern coastal Bangladesh. *Figshare*. https://doi.org/10.6084/m9.figshare.33391040

4. Sumaia Sahrin, Md. Hasan Al Banna, Justice Kanor Tetteh, Trisha Mallick, Humayra Alam Mouly, Tasnim Rahman Disu, Mst. Umme Hafsa Begum, Shammy Akter, Md. Ahasanul Haque Saiem, **John Elvis Hagan**, Jasmin Ara Farhana (2026). Anemia prevalence and its association with dietary diversity, tea consumption, body mass index, and medical history among female university students in southern coastal Bangladesh. *Discover Public Health*. https://doi.org/10.1186/s12982-026-02828-8
5. Hamdi Henchiri, Amr Chaabeni, Hela Znazen, Jaouher Hamaidi, Medina Srem-Sai, **John Elvis Hagan**, Chayma Harrathi, Vlad Adrian Geantă, Abdullah H. Alliheibi, Waleed Ghanim Thanoon, Anis Jellad, Fairouz Azaiez (2026). Burnout in medical residents: the combined influence of on-call burden, somatic symptomatology, insomnia severity, and physical activity. *Frontiers in Sports and Active Living*. https://doi.org/10.3389/fspor.2026.1779677
6. Balsam Messai, Slaheddine Delleli, Khaled Trabelsi, Achraf Ammar, Medina Srem Sai, **John Elvis Hagan**, Vlad Adrian Geantă, Hamdi Chtourou (2026). Cold Water Immersion or Foam Rolling? A Randomized Crossover Trial Comparing Recovery Effects on High-Intensity Performance and Markers of Muscle Damage and Inflammation in Soccer Players. *Sports*. https://doi.org/10.3390/sports14080328
7. Amayra Tannoubi, Ibrahim Ouergui, Tore Bonsaksen, Medina Srem-Sai, **John Elvis Hagan**, Edi Setiawan, Fairouz Azaiez (2026). Comparing E-quizzes (Trivia maker™) and paper-based tests on cognitive load, usability, and performance outcomes among university students. *Frontiers in Education*. https://doi.org/10.3389/feduc.2026.1780194
8. Timothy Mensah, Monday Moses, **Elvis Hagan Jr.** (2026). Effect Of Fatigue Mitigation On Kicking Precision During Penalty Shootout In Soccer. *International Journal For Multidisciplinary Research*. https://doi.org/10.36948/ijfmr.2026.v08i04.85340
9. Amayra Tannoubi, Noura Ahmed, **John Elvis Hagan**, Medina Srem-Sai, Vlad Adrian Geantă, Fairouz Azaiez (2026). Effects of Pre-Session Video Observational Modeling on Emotional Intelligence and 9 m Shooting Performance in U14 Male Handball Players: A Randomized Controlled Trial. *Children*. https://doi.org/10.3390/children13050655
10. Chiraz Goumni, Amayra Tannoubi, Aymen Hawani, Riadh Khalifa, Medina Srem-Sai, **John Elvis Hagan**, Vlad Adrian Geantă (2026). Effects of an 8-week Mindfulness–Acceptance–Commitment intervention on competitive anxiety, mindfulness, and 200-m sprint performance in junior female sprinters: a quasi-experimental study. *Sport Sciences for Health*. https://doi.org/10.1007/s11332-026-01931-2
11. Edmond Kwesi Agormedah, Iddrisu Salifu, Daniel Miezah, Francis Arthur, Paul Obeng, Mustapha Amoadu, Medina Srem-Sai, **John Elvis Hagan**, Thomas Schack (2026). Mediating roles of grit and learning motivation on students' academic resilience and engagement in Ghana. *Discover Education*. https://doi.org/10.1007/s44217-026-01877-0
12. Haifa Snani, Hela Snani, Amayra Tannoubi, Hela Znazen, Abdullah Hamed Alliheibi, **John Elvis Hagan**, Fairouz Azaiez (2026). Physical activity and marital satisfaction among teachers: a mediation model of self-esteem, spirituality, and psychological distress. *Frontiers in Sports and Active Living*. https://doi.org/10.3389/fspor.2026.1782014
13. Amr Chaabeni, Wissem Dhahbi, Ahlem Aissa, Medina Srem-Sai, **John Elvis Hagan**, Amine Kalai, Vlad Adrian Geantă, Sana Salah, Bassem Charfeddine, Karim Chamari, Anis Jellad (2026). Phytotherapy in Sports Performance and Recovery: A Bibliometric Mapping of Research Themes and Trends. *Sports*. https://doi.org/10.3390/sports14060255
14. Jacob Owusu Sarfo, Richmond Stephen Sorkpor, Edmond Kwesi Agormedah, Medina Srem-Sai, Paul Obeng, Newton Isaac Gbordzoe, **John Elvis Hagan** (2026). Prevalence and Associated Factors Accounting for In-School Adolescents' Serious Injuries in Bolivia: A Population-Based Cross-Sectional Survey. *Health Science Reports*. https://doi.org/10.1002/hsr2.72149
15. Mariem Zaibi, Amayra Tannoubi, Tore Bonsaksen, **John Elvis Hagan**, Medina Srem-Sai, Abdullah Hamed Alliheibi, Noureddine Ben Said, Fairouz Azaiez (2026). Psychometric validation and gender invariance of the Arabic Athlete Burnout Questionnaire among Tunisian handball players. *Discover Psychology*. https://doi.org/10.1007/s44202-026-00619-5

16. Sally Sonia Simmons, **John Elvis Hagan**, Imanol L. Nieto-González, Thomas Schack (2026). Spatial Predictive Patterns of Cause-Specific Mortality: Evidence from East Africa. *Information*. https://doi.org/10.3390/info17080804

17. Mustapha Amoadu, **John Elvis Hagan**, Paul Obeng, Edmond Kwesi Agormedah, Medina Srem-Sai, Thomas Schack (2025). Academic Resilience and Motivation as Predictors of Academic Engagement Among Rural and Urban High School Students in Ghana. *Youth*. https://doi.org/10.3390/youth5010011

18. Richard Gyan Aboagye, Mainprice Akuoko Essuman, Tarif Salihu, Abdul-Aziz Seidu, **John Elvis Hagan**, Frank Baiden, Bright Opoku Ahinkorah (2025). Association between the Survey-based Women's Empowerment (SWPER) index and barriers to healthcare in sub-Saharan Africa. *International Health*. https://doi.org/10.1093/inthealth/ihaf023

19. Timothy Kwabena Mensah Mensah, Monday Omoniyi Moses, **John Elvis Hagan Jr.** (2025). Correlations between the dimensions of fatigue and the kicking performance of soccer players during penalty shootouts. *Journal of Kinesiology and Exercise Sciences*. https://doi.org/10.5604/01.3001.0055.0945

20. Fairouz Azaiez, Sameh Ben Bechir, Amayra Tannoubi, Halil İbrahim Ceylan, Valentina Stefanica, Ghada Boussayala, **John Elvis Hagan**, Abdullah H. Allihebi, Abdulhafed Mabrouk Gawar, Ahmedov Farruh, Ismail Dergaa (2025). Disordered eating, self-esteem, and physical activity among Tunisian adolescents: public health insights and validation of the Arabic Ede-Q. *Health Psychology and Behavioral Medicine*. https://doi.org/10.1080/21642850.2025.2601400

21. Sally Sonia Simmons, **John Elvis Hagan**, Thomas Schack (2025). Generative Data Modelling for Diverse Populations in Africa: Insights from South Africa. *Information*. https://doi.org/10.3390/info16070612

22. Ghada Boussayala, Amayra Tannoubi, **John Elvis Hagan**, Mustapha Amoadu, Medina Srem-Sai, Tore Bonsaksen, Hamdi Henchiri, Mohamed Karim Chtioui, Lotfi Bouguerra, Fairouz Azaiez (2025). Is It Time to Address Burnout in the Military? Initial Psychometric Validation of the Maslach Burnout Inventory Among Tunisian Military Personnel (A-MBI-MP). *Behavioral Sciences*. https://doi.org/10.3390/bs15030385

23. Paul Obeng, Medina Srem-Sai, Iddrisu Salifu, Mustapha Amoadu, Francis Arthur, Edmond Kwesi Agormedah, **John Elvis Hagan**, Thomas Schack (2025). Linking students' grit and academic engagement: Mediating role of academic motivation and self-regulated learning. *British Educational Research Journal*. https://doi.org/10.1002/berj.4185

24. Medina Srem-Sai, Francis Arthur, Iddrisu Salifu, Mustapha Amoadu, Paul Obeng, Edmond Kwesi Agormedah, **John Elvis Hagan**, Thomas Schack (2025). Modelling the associations between students' academic resilience, learning motivation, self-regulated learning and academic well-being in Ghana. *Acta Psychologica*. https://doi.org/10.1016/j.actpsy.2025.105278

25. Piyami Çakto, İlyas Görgüt, Amayra Tannoubi, Michael Agyei, Medina Srem-Sai, **John Elvis Hagan**, Oğuzhan Yüksel, Orhan Demir (2025). Nomophobia Levels in Turkish High School Students: Variations by Gender, Physical Activity, Grade Level and Smartphone Use. *Youth*. https://doi.org/10.3390/youth5030078

26. Paul Obeng, Medina Srem-Sai, Francis Arthur, Iddrisu Salifu, Mustapha Amoadu, Edmond Kwesi Agormedah, **John Elvis Hagan**, Thomas Schack (2025). Students' academic resilience and well-being in Ghana: the mediating effects of grit and motivation. *Discover Education*. https://doi.org/10.1007/s44217-025-00537-z

27. Hamdi Henchiri, Amayra Tannoubi, Chayma Harrathi, Ghada Boussayala, Frank Quansah, **John Elvis Hagan**, Haifa Mechergui, Amr Chaabeni, Taha Chebbi, Tarek Ben Lakhal, Hatem Belhouchet, Ikram Khatrouch, Abdulhafed Mabrouk Gawar, Fairouz Azaiez (2025). Validation of the Arabic Version of the Maslach Burnout Inventory-HSS Among Tunisian Medical Residents (A-MBI-MR): Factor Structure, Construct Validity, Reliability, and Gender Invariance. *Healthcare*. https://doi.org/10.3390/healthcare13020173

28. Riyadh Yahyaoui, Ibrahim Ouergui, Hamza Marzouki, Okba Selmi, Frank Quansah, **John Hagan Jr**, Noomen Guelmemi, Yung-Sheng Chen, Andrew M. Lane, Mohamed Jarraya (2024). ADAPTATION AND VALIDATION OF THE EMOTIONAL INTELLIGENCE SCALE IN THE PHYSICAL EDUCATION AND SPORT ARABIC CONTEXT: A GENDER AND TYPE OF SPORT INVARIANCE ANALYSIS. *Journal of Kinesiology and Exercise Sciences*. https://doi.org/10.5604/01.3001.0054.8522

29. Frank Quansah, Edmond Kwesi Agormedah, Medina Srem-Sai, **John Elvis Hagan Jr**, Thomas Schack (2024). Assessing the dimensionality of the sense of coherence scale (SOC-L9) using Ghanaian university students: Guarding against the method effect. *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e36252

30. Jacob Owusu Sarfo, Mustapha Amoadu, Edward Wilson Ansah, **John Elvis Hagan Jnr** (2024). COVID-19 Vaccine Acceptance and Hesitancy among Teachers and Students: A Scoping Review of Prevalence and Risk Factors. *COVID*. https://doi.org/10.3390/covid4040037

31. Frank Quansah, Medina Srem-Sai, Edmond Kwesi Agormedah, Nathaniel Quansah, Amayra Tannoubi, **John Elvis Hagan**, Thomas Schack (2024). Cross-cultural validation of the sport emotion questionnaire using elite hockey players: psychometric evidence from seven African countries. *International Journal of Sport and Exercise Psychology*. https://doi.org/10.1080/1612197x.2024.2443634

32. Edmond Kwesi Agormedah, Francis Ankomah, Medina Srem-Sai, Regina Mawusi Nugba, Frank Quansah, **John Elvis Hagan**, Orkan Okan, Kevin Dadaczynski, Thomas Schack (2024). Effects of Gender and Age Interaction on Sense of Coherence and Subjective Well-Being of Senior High School Students in Northern Ghana. *Education Sciences*. https://doi.org/10.3390/educsci14020178

33. Medina Srem-Sai, Frank Quansah, Edmond Kwesi Agormedah, **John Elvis Hagan**, Thomas Schack (2024). Evaluating Teachers' Workplace Climate and Anxiety Response during the COVID-19 Pandemic: The Role of Information Seeking Platforms. *COVID*. https://doi.org/10.3390/covid4030025

34. Richard Gyan Aboagye, Bright Opoku Ahinkorah, Abdul-Aziz Seidu, James Boadu Frimpong, Collins Adu, **John Elvis Hagan**, Salma A. E. Ahmed, Sanni Yaya (2024). Female genital mutilation and safer sex negotiation among women in sexual unions in sub-Saharan Africa: Analysis of demographic and health survey data. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0299034

35. Mustapha Amoadu, Edmond Kwesi Agormedah, Paul Obeng, Medina Srem-Sai, **John Elvis Hagan**, Thomas Schack (2024). Gender Differences in Academic Resilience and Well-Being among Senior High School Students in Ghana: A Cross-Sectional Analysis. *Children*. https://doi.org/10.3390/children11050512

36. Jacob Owusu Sarfo, Newton Isaac Gbordzoe, Valda Deide Commey, Esther Doe-Yo Tawiah, **John Elvis Hagan** (2024). Gender Differences in Anxiety-Induced Sleep Disturbance: A Survey Among In-School Adolescents in the Republic of Benin. *Social Sciences*. https://doi.org/10.3390/socsci13120655

37. Newton Isaac Gbordzoe, Medina Srem-Sai, Edmond Kwesi Agormedah, **John Elvis Hagan**, Jacob Owusu Sarfo (2024). Gender differences and correlates of bullying victimisation among in-school adolescents in Benin. *Discover Psychology*. https://doi.org/10.1007/s44202-024-00236-0

38. Medina Srem-Sai, Edmond Kwesi Agormedah, **John Elvis Hagan**, Newton Isaac Gbordzoe, Jacob Owusu Sarfo (2024). Gender-Based Biopsychosocial Correlates of Truancy in Physical Education: A National Survey among Adolescents in Benin. *Social Sciences*. https://doi.org/10.3390/socsci13050257

39. Andrews Adjei Druye, Dorcas Frempomaa Agyare, William Akoto-Buabeng, Jethro Zutah, Frank Odonkor Offei, Bernard Nabe, Godson Obeng Ofori, Amidu Alhassan, Benjamin Kofi Anumel, Godfred Cobbinah, Susanna Aba Abraham, Mustapha Amoadu, **John Elvis Hagan** (2024). Healthcare Professionals' Knowledge, Attitudes, and Practices in the Assessment, and Management of Sickle-Cell Disease: A Meta-Aggregative Review. *Diseases*. https://doi.org/10.3390/diseases12070156

40. Medina Srem-Sai, Francis Ankomah, Edmond Kwesi Agormedah, Frank Quansah, **John Elvis Hagan**, Orkan Okan, Kevin Dadaczynski, Thomas Schack (2024). Investigating age-related COVID-19 digital health literacy and sense of coherence among adolescents and young adults in schools across Northern Ghana. *BMC Digital Health*. https://doi.org/10.1186/s44247-024-00063-2

41. Frank Quansah, Medina Srem-Sai, Edmond Kwesi Agormedah, Francis Ankomah, **John Elvis Hagan**, Thomas Schack (2024). Moderated moderation modelling of subjective social status, pocket money and depressive symptoms of university students in Ghana. *Frontiers in Public Health*. https://doi.org/10.3389/fpubh.2024.1325441

42. Chiraz Azaiez, Naser Chalghaf, Amayra Tannoubi, Noomen Guelmami, Medina Srem-Sai, Frank Quansah, **John Elvis Hagan**, Heifa Sneni, Ghada Boussayala, Imane Ghalmi, Mazin Inhaier Lami, Nicola Luigi Bragazzi, Stephane Mandigout, Choukri ben Ayed, Fairouz Azaiez (2024). Psychometric properties of Arabic-translated-related quality of life scales for people with parkinson disease: a scoping review. *BMC Public Health*. https://doi.org/10.1186/s12889-024-20002-0

43. Frank Quansah, Edmond K. Agormedah, Francis Ankomah, Medina Srem-Sai, Regina M. Nugba, **John E. Hagan**, Thomas Schack (2024). Revalidation of Teachers' Sense of Efficacy Scale using Ghanaian in-service teachers: Multidimensional item response theory with factor analyses. *Psychology in the Schools*. https://doi.org/10.1002/pits.23137

44. Mustapha Amoadu, Susanna Aba Abraham, Abdul Karim Adams, William Akoto-Buabeng, Paul Obeng, **John Elvis Hagan** (2024). Risk Factors of Malnutrition among In-School Children and Adolescents in Developing Countries: A Scoping Review. *Children*. https://doi.org/10.3390/children11040476

45. Isaac Tetteh Commey, Mustapha Amoadu, Paul Obeng, Christiana Okantey, Christian Makafui Boso, Dorcas Frempomaa Agyare, Andrews Adjei Druye, Rita Opoku-Danso, Jerry Paul K. Ninnoni, Frederick Nsatimba, Susanna Aba Abraham, **John Elvis Hagan** (2024). Sexting among College Students in Africa: A Scoping Review of Prevalence, Risk Factors, and Impact. *Sexes*. https://doi.org/10.3390/sexes5030022

46. Satyajit Kundu, Md Hafizur Rahman, Syed Sharaf Ahmed Chowdhury, **John Elvis Hagan**, Susmita Rani Dey, Rakhi Dey, Rita Karmoker, Azaz Bin Sharif, Faruk Ahmed (2024). Spatial Variation and Predictors of Women's Sole Autonomy in Healthcare Decision-Making in Bangladesh: A Spatial and Multilevel Analysis. *Healthcare*. https://doi.org/10.3390/healthcare12242494

47. Eugene Adu Henaku, Francis Sambah, Frank Quansah, Edmond Kwesi Agormedah, Medina Srem-Sai, **John Elvis Hagan**, Francis Ankomah, Vera Rosemary Ankomah-Sey, Thomas Schack (2024). Stress-related experiences and intentions to quit studies among female married postgraduate distance education students in Ghana. *BMC Psychology*. https://doi.org/10.1186/s40359-024-01839-x

48. Frank Offei Odonkor, Patience Fakornam Doe, Theodora Dedo Azu, Joyce Agyeiwaa, Gifty Owusu, Christian Makafui Boso, Naomi Kyeremaa Yeboa, Dorcas Frempomaa Agyare, Irene Korkoi Aboh, Bernard Nabe, Godson Obeng Ofori, Benjamin Anumel, Justice Enock Kagbo, Amidu Alhassan, Frank Odonkor Offei, Rita Opoku-Danso, Susanna Aba Abraham, Mustapha Amoadu, **John Elvis Hagan** (2024). Uptake and Effectiveness of Intermittent Preventive Treatment with Sulfadoxine-Pyrimethamine during Pregnancy in Africa: A Scoping Review. *Diseases*. https://doi.org/10.3390/diseases12090203

49. Frank Quansah, Andrews Cobbinah, Kenneth Asamoah-Gyimah, **John Elvis Hagan** (2024). Validity of student evaluation of teaching in higher education: a systematic review. *Frontiers in Education*. https://doi.org/10.3389/feduc.2024.1329734

50. Frank Quansah, Francis Ankomah, Edmond Kwesi Agormedah, Simon Ntumi, **John Elvis Hagan**, Medina Srem-Sai, Kevin Dadaczynski, Orkan Okan, Thomas Schack (2023). A cross-sectional study of university students' pocket money variance and its relationship with digital health literacy and subjective well-being in Ghana. *Health Science Reports*. https://doi.org/10.1002/hsr2.1095

51. Amayra Tannoubi, Frank Quansah, **John Elvis Hagan**, Medina Srem-Sai, Tore Bonsaksen, Nasr Chalghaf, Ghada Boussayala, Chiraz Azaiez, Haifa Snani, Fairouz Azaiez (2023). Adaptation and Validation of the Arabic Version of the University Student Engagement Inventory (A-USEI) among Sport and Physical Education Students. *Psych*. https://doi.org/10.3390/psych5020022

52. Francis Britwum, Stephen Kofi Anin, Edmond Kwesi Agormedah, Frank Quansah, Medina Srem-Sai, **John Elvis Hagan**, Thomas Schack (2023). Assessing Internet Surfing Behaviours and Digital Health Literacy among University Students in Ghana during the COVID-19 Pandemic. *COVID*. https://doi.org/10.3390/covid3030030

53. Edward W. Ansah, Jennifer Addae, **John E. Hagan**, Michael A. Baidoo (2023). Assessing Stress Levels, Predictors and Management Strategies of Inmates at Ankaful Prison Complex in the Central Region, Ghana. *Behavioral Sciences*. https://doi.org/10.3390/bs13030201

54. Francis Sambah, Frank Quansah, Medina Srem-Sai, James Boadu Frimpong, Edmond Kwesi Agormedah, Francis Ankomah, **John Elvis Hagan** (2023). Assessing secondary school students' digital health literacy, information searching behaviours, and satisfaction with online COVID-19 information in Northern Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2023.e17936

55. Iddrisu Amadu, Abdul-Aziz Seidu, Aliu Mohammed, Eric Duku, Michael K. Miyittah, Edward Kwabena Ameyaw, **John Elvis Hagan**, Mohammed Hafiz Musah, Bright Opoku Ahinkorah (2023). Assessing the combined effect of household cooking fuel and urbanicity on acute respiratory symptoms among under-five years in sub-Saharan Africa. *Heliyon*. https://doi.org/10.1016/j.heliyon.2023.e16546

56. Amayra Tannoubi, Ibrahim Ouergui, Medina Srem-Sai, **John Elvis Hagan**, Frank Quansah, Fairouz Azaiez (2023). Effectiveness of Video Modeling in Improving Technical Skills in Young Novice Basketball Players: A Quasi-Experimental Study. *Children*. https://doi.org/10.3390/children10040687

57. **John Elvis Hagan**, Frank Quansah, Francis Ankomah, Edmond Kwesi Agormedah, Medina Srem-Sai, Thomas Schack (2023). Evaluating the moderating role of information seeking platforms on university students' risk perception and anxiety during the COVID-19 pandemic in Ghana. *Frontiers in Communication*. https://doi.org/10.3389/fcomm.2023.1035593

58. **John Elvis Hagan**, Frank Quansah, James B. Frimpong, Edmond K. Agormedah, Regina Mawusi Nugba, Medina Srem-Sai, Thomas Schack (2023). Gender digital health literacy gap across age: A moderated moderation effect on depression among in-school adolescents in Ghana during COVID-19. *Psychology in the Schools*. https://doi.org/10.1002/pits.22942

59. Abdul-Aziz Seidu, **John Elvis Hagan Jnr**, Eugene Budu, Richard Gyan Aboagye, Joshua Okyere, Barbara Sakyi, Collins Adu, Bright Opoku Ahinkorah (2023). High-risk fertility behaviour and undernutrition among children under-five in sub-Saharan Africa: a cross-sectional study. *BMJ Open*. https://doi.org/10.1136/bmjopen-2022-066543

60. Edward W. Ansah, Mawuli Adabla, Norgbedzie Jerry, Eric A. Aloko, **John E. Hagan** (2023). Investigating sedentariness and health status of primary school teachers in Ghana. *BMC Health Services Research*. https://doi.org/10.1186/s12913-023-09925-3

61. Jacob O. Sarfo, Paul Obeng, Newton I. Gbordzoe, Timothy P. Debrah, Crescens O. B. Ofori, **John E. Hagan** (2023). In-school adolescents' sociodemographic correlates of serious unintentional injuries in Saint Vincent and the Grenadines: A cross-sectional study. *Health Science Reports*. https://doi.org/10.1002/hsr2.1722

62. Iddrisu Amadu, Abdul-Aziz Seidu, Kwabena Koforobour Agyemang, Francis Arthur-Holmes, Eric Duku, Iddrisu Salifu, Obasanjo Afolabi Bolarinwa, **John Elvis Hagan Jr.**, Bright Opoku Ahinkorah (2023). Joint effect of water and sanitation practices on childhood diarrhoea in sub-Saharan Africa. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0283826

63. Faisal Maqbool Zahid, Shahla Faisal, Shahid Kamal, Khawar Shahzad, Seemi Iram, Bright Opoku Ahinkorah, Abdul-Aziz Seidu, Abid Rasheed, **John Elvis Hagan** (2023). Model Selection and Identification of Osteoporosis Risk Factors in Women to Improve Their Healthcare. *Journal of Healthcare Engineering*. https://doi.org/10.1155/2023/3571769

64. Amayra Tannoubi, Frank Quansah, Iteb Magouri, Nasr Chalghaf, Tore Bonsaksen, Medina Srem-Sai, **John Elvis Hagan**, Ciptro Handrianto, Fairouz Azaiez, Nicola Luigi Bragazzi (2023). Modelling the associations between academic engagement, study process and grit on academic achievement of physical education and sport university students. *BMC Psychology*. https://doi.org/10.1186/s40359-023-01454-2

65. Isaac Amoako, Medina Srem-Sai, Frank Quansah, Stephen Anin, Edmond Kwesi Agormedah, **John Elvis Hagan Jnr** (2023). Moderation modelling of COVID-19 digital health literacy and sense of coherence across subjective social class and age among university students in Ghana. *BMC Psychology*. https://doi.org/10.1186/s40359-023-01334-9

66. Richard Gyan Aboagye, Bright Opoku Ahinkorah, Abdul-Aziz Seidu, Stephen Kofi Anin, James Boadu Frimpong, **John Elvis Hagan** (2023). Mother and newborn skin-to-skin contact and timely initiation of breastfeeding in sub-Saharan Africa. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0280053

67. Newton Isaac Gbordzoe, Paul Obeng, Mary Aku Ogum, Mustapha Amoadu, Jacob Owusu Sarfo, **John Elvis Hagan Jnr.** (2023). Multiple sexual partnership among school-going adolescents in Benin: a population-based study of prevalence and predictors. *Discover Social Science and Health*. https://doi.org/10.1007/s44155-023-00053-1

68. Bright Opoku Ahinkorah, Richard Gyan Aboagye, Abdul-Aziz Seidu, James Boadu Frimpong, **John Elvis Hagan**, Eugene Budu, Sanni Yaya (2023). Physical violence during pregnancy in sub-Saharan Africa: why it matters and who are most susceptible? *BMJ Open*. https://doi.org/10.1136/bmjopen-2021-059236

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