**Supplementary Files**

**Exclusion and Inclusion criteria:**

**Inclusion criteria:**

* Articles addressed health effects/harmful effects due to the occupational noise exposure among commercial fish harvesters,
* Articles published in English language,
* Any quantitative or qualitative design, e.g. cross-sectional, reviews, cohort/observational, qualitative studies, were included in the review.

**Exclusion criteria:**

* Editorial, news articles, conference abstracts, or book review,
* Invitro and animal research,
* Articles highlighting noise exposure at fish vessels without any health effects in fishing workers, were excluded from the study.

**Table S1: List of search keywords:**

|  |  |  |
| --- | --- | --- |
| **Noise-related terms** | **Hearing and other health-related terms** | **Occupational-related terms** |
| Noise | Hearing loss | Commercial fish Harvesters |
| Noise level | hearing loss, noise induced | Fish Harvesters |
| Noise exposure | Hearing impairment  | Fisherman |
| Sound level  | persons with hearing impairments | Seafood harvester |
| Occupational Noise | Hearing problem | Lobsterman |
| Occupational Noise Exposure | Noise induced hearing loss | Lobster Harvesters |
|  | NIHL | Shrimp harvesters |
|  | Tinnitus | Fishing trawler  |
|  | noise induced tinnitus | Shrimp trawler |
|  | induced tinnitus, noise | Ships |
|  | Noise related hearing loss | Fish Vessels |
|  | Hearing conservation | Fishing boats  |
|  | Conductive hearing loss | Commercial fishing vessels |
|  | Sensorineural hearing loss | Fishing fleet |
|  | Cardiovascular diseases | Commercial fishing |
|  | Hypertension |  |
|  | Sleep disorders |  |
|  | Sleep disturbances |  |
|  | Cognitive performance |  |
|  | Annoyance |  |
|  | Hospital contacts |  |
|  | Health effects |  |
|  | Hearing protection |  |
|  | Hearing Threshold  |  |

**Table S2: List of selected articles including the name of the first author, publication year, health measurement, and health outcome**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the first author [Reference]** | **Year** | **Health measurement** | **Health outcome** | **Quality Score** |
| Paini MC [20] | 2009 | Audiometric testing | Hearing impairment, Sensorineural hearing loss | 7 |
| Levin JL [21] | 2016 | Audiometric testing | Hearing impairment | 8 |
| Sholihah Q [22] | 2017 | Hearing function test | Hearing loss, Physical and psychological disorders | 6 |
| Myers M [23] | 2018 | Hearing Hazards | NIHL,Hearing impairment, Elevated blood pressure, Reduced performance, Sleeping difﬁculties, Annoyance, stress, Temporary threshold shift | 9 |
| Anwar M [24] | 2019 | Audiometric testing | Hearing loss | 6 |
| Mansi F [25] | 2019 | Self-reported health conditions,  | Hearing disorders, Cardiovascular, gastric, and sleeping disorders | 7 |
| Albizu EJ [26] | 2020 | Audiometric testing | NIHL, Tinnitus | 8 |
| Kaerlev L [27] | 2008 | SHCRs | NIHL | 6 |
| Novalbos J [28] | 2008 | Self-reported medical conditions | Hearing problems | 8 |
| Poulsen TR [29] | 2014 | Hospitalization, specific diagnoses and conditions | NIHL, Tinnitus, Sensorineural hearing, Hearing Impairment | 8 |
| Zeigelboim B [30] | 2014 | Otorhinolaryngologic, ENT and vestibular assessment. | Hearing loss, Tinnitus, Dizziness, Headache, Fatigue, Depression, Anxiety, Insomnia, and Agitation during sleep. | 5 |
| Arumugam I [31] | 2015 | Otorhinolaryngologic assessment.Audiometry test | Hearing loss, Tinnitus, Headache, Sleep disturbances | 6 |
| Zeigelboim B [32] | 2015 | Otorhinolaryngologic, ENT and vestibular assessment. | Hearing loss, Tinnitus, Fatigue, Depression, Anxiety, Dizziness | 5 |
| Levin JL [33] | 2016 | Assessment of NIHL related attitude and belief. | NIHL related behavioral beliefs, normative beliefs, and control beliefs | 7 |
| Eckert C [34] | 2018 | Self-reported hearing loss, Audiometric testing. | Hearing loss | 6 |
| Masterson EA [35] | 2018 | Audiometric data analysis | Hearing loss | 8 |
| Gander P [36] | 2008 | Sleep monitoring | Sleep disturbances | 7 |