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# **Islamic Science Topic Index**

Welcome to the ultimate **topic index** of scientific concepts found in the **Qur'an** and **Hadith**. This A-Z reference system features over **500 Islamic science topics**, bridging timeless divine guidance with modern scientific understanding. From *embryology* to *astronomy*, *genetics* to *psychology*, each entry connects authentic Islamic teachings with cutting-edge research.

Whether you're a student, researcher, or simply curious about how Islam aligns with science, this structured index offers a reliable gateway to explore the wisdom of the Prophets alongside today's discoveries. Click any letter below to instantly jump to the topics starting with that alphabet.

## A - Scientific Topic index in Qur'an & Hadith

- Adam & Human Creation in the Qur'an
  - How the Qur'an describes the origin of human life from clay, and how it aligns with anthropology and human genetics.
- Air & Breathing in Islamic Teachings
  Importance of air in life, and how prophetic habits support modern respiratory science and air quality awareness.
- Animals in the Our'an & Science
  - Animals like bees, camels, and ants are mentioned with wisdom reflecting ecological knowledge and biological facts.
- Antibiotics in Hadith and Modern Medicine
  - Prophetic use of black seed, honey, and vinegar explored for their natural antibiotic and antimicrobial properties.
- Ants & Communication in the Qur'an
  - Surah An-Naml mentions ant speech; entomology confirms complex chemical and vibrational communication in ants.
- Astronomy in the Qur'an
  - Quranic references to orbits, stars, the sun, and moon align with modern cosmology and astrophysics.



#### Atoms & Subatomic Particles in the Our'an

The Qur'an refers to things smaller than an atom — a concept remarkably accurate with today's particle physics.

## • Aging in Hadith and Genetic Science

Islamic perspective on aging with connections to telomeres, oxidative stress, and hadith about life cycles.

#### • Adultery, Genetics & DNA in Islamic Law

The <u>role of DNA</u> testing in cases of lineage and adultery, in light of Islamic rulings and modern forensic science.

#### • Addiction, Brain Science & Islamic Solutions

How Islamic teachings prohibit intoxicants and how modern neuroscience explains addiction pathways and recovery.

## B - Scientific Topic index in Qur'an & Hadith

## Bees in the Qur'an and Modern Biology

Surah An-Nahl praises bees for producing healing honey; modern entomology reveals bees' incredible communication and medicinal honey properties.

### • **Blood Circulation and Islamic Insights**

Historical understanding of blood circulation in Islamic Golden Age, pre-dating European discoveries, and hints in Qur'anic metaphors.

#### • Brain, Mind & Consciousness in Islam

Qur'anic view of intellect ('aql) and decision-making, and how it relates to neuroscience and theories of consciousness.

#### • Bones in the Our'an and Human Anatomy

Qur'anic reference to bone formation during embryonic development and its harmony with anatomical science.

## • Burial Practices in Islam & Microbiology

Sunnah burial methods reflect principles of hygiene and decomposition understood in modern forensic microbiology.

## • Balance in Nature According to the Qur'an

Surah Ar-Rahman highlights the balance (mīzān) in nature — a concept echoed in ecological equilibrium and sustainability.

#### • Breastfeeding in Hadith and Modern Health

Prophetic encouragement of two-year breastfeeding aligns with WHO guidelines and findings on immunity and child development.

### • Bacteria, Hygiene & Islamic Purity

Ablution (wudu) and cleanliness in Islam prevent microbial infections — proven by



microbiological and hygiene research.

## C - Scientific Topic index in Qur'an & Hadith

#### • Camels in the Qur'an and Biology

The Qur'an asks us to reflect on how camels were created — showcasing their unique physiology suited for desert survival.

## • Cloning & Islamic Ethics

Scientific basis of cloning, types (therapeutic/reproductive), and how Islamic scholars address moral boundaries and human dignity.

### • Cosmic Expansion in the Qur'an

Surah Adh-Dhariyat mentions expanding universe — confirmed centuries later by Hubble's law and modern cosmology.

## • Cellular Structure & Qur'anic Concepts

The Qur'an's references to life created from a single cell-like origin reflect cellular biology and embryology.

#### • Cleansing Rituals & Skin Health in Islam

Wudu and ghusl promote hygiene and reduce skin infections — verified by dermatological and public health studies.

#### • Cloud Formation in the Qur'an & Meteorology

Quranic verses describe the water cycle and cloud formation with precision, validated by modern atmospheric science.

## • Conception in Hadith & Reproductive Science

Hadith mentions male and female contribution to child traits — a concept confirmed by modern genetics.

## • Cognitive Science and Qur'anic Teachings

Qur'an's reference to the heart and mind in decision-making resonates with neuroscience on cognition and emotional intelligence.

### • Circumcision in Islam & Modern Medicine

The prophetic practice of circumcision has proven benefits in reducing infections, STDs, and promoting genital hygiene.

#### • Caffeine, Stimulants & Islamic Moderation

Islamic principles of moderation applied to modern stimulants like caffeine; its neurobiological effects and prophetic habits.

### • Cellular Aging & Islamic View on Longevity

Insights from telomere biology, anti-aging science, and how the Qur'an views life span and aging with dignity.

## • Copper in the Qur'an & Material Science



Surah Ar-Rahman refers to molten copper — now recognized for its antimicrobial and industrial properties.

#### • Climate Change & Islamic Environmental Ethics

Islamic teachings on earth stewardship and how they align with ecological conservation and climate change science.

## • Coronavirus, Contagion & Prophetic Prevention

Hadith about quarantining during plague mirrors modern infection control and pandemic management.

### • Cure Mentioned in Hadith & Modern Pharmacology

Prophet Muhammad ☐ stated every disease has a cure — explored through pharmaceutical research and medical discoveries.

### • Consciousness After Death: Qur'an & Neuroscience

Qur'anic verses on post-death awareness and what neuroscience suggests about near-death experiences (NDEs).

### • Color Psychology and Qur'anic Symbolism

Qur'anic references to colors (green, black, white) and how they impact mood, perception, and psychological states.

## • Cravings, the Brain & Prophetic Self-Control

Neuroscience of cravings and how Hadith emphasizes willpower, fasting, and balanced consumption.

### • Chromosomes & Genetics in the Qur'an

Implicit hints about hereditary traits in the Qur'an, discussed in light of Mendelian and modern genetics.

### • Crying, Emotional Health & the Sunnah

Emotional crying is not weakness; Hadith and psychology both highlight its role in mental health and healing.

## D - Scientific Topic index in Qur'an & Hadith

#### • **DNA & Islamic Perspective**

DNA as the carrier of genetic traits and how Islamic rulings view its role in paternity, identity, and forensics.

#### • Diet in Hadith & Nutrition Science

The Prophet's [] dietary habits and how they promote digestive health, balance, and modern nutritional wisdom.

#### • Disease Prevention in the Sunnah

Preventive health measures taught in Hadith such as quarantine, hygiene, and clean food — confirmed by public health studies.



## • Dust, Cleanliness & Respiratory Health in Islam

Islamic emphasis on dust removal in homes and mosques reflects awareness of allergen control and air quality.

### • Delayed Puberty: Hadith & Hormonal Science

Puberty markers in Islamic legal rulings and how they correspond to hormonal and physical changes studied in endocrinology.

#### • Depression in Hadith & Neurobiology

Emotional struggles in Islamic texts and how spiritual resilience complements modern psychological and neurochemical models.

## • Drinking Water: Sunnah Practices & Hydration Science

Sitting while drinking, drinking in 3 sips — prophetic habits supported by science for optimal digestion and hydration.

### • Day & Night Cycles in the Qur'an

Repeated references to alternation of day and night and their roles in circadian rhythms, plant growth, and life cycles.

## • Dreams in Islamic Psychology & Science

Types of dreams according to hadith and how they relate to REM sleep, subconscious processing, and dream therapy.

## • Dental Hygiene in Islam & Modern Dentistry

The use of miswak, brushing after meals, and how prophetic advice aligns with modern oral health practices.

#### • Death Process: Qur'an & Medical Science

Stages of death described in the Qur'an and parallels in end-of-life care, palliative signs, and neurological death.

#### • Drowsiness and Sleep in the Our'an

The Qur'an refers to drowsiness as a sign of divine mercy — connected to sleep cycles and body restoration.

## • Development of Human Embryo in the Qur'an

The stages of embryonic development in Surah Al-Mu'minoon reflect accurate phases recognized in embryology today.

#### • Delusions & Islamic Views on Mental Health

How Islam addresses mental clarity and delusion, and what psychiatry says about delusional disorders and psychosis.

#### • Disaster Preparedness in Islam

Earthquakes, storms, and floods in the Qur'an and how Islamic teachings promote readiness and community resilience.

## • Dirt, Disease & Islamic Hygiene

Emphasis on removing filth and ritual purity reflects an understanding of disease



transmission through contaminated surfaces.

### • Diabetes and Prophetic Nutritional Guidance

Sunnah diet and fasting habits as preventive and therapeutic strategies for insulin resistance and metabolic health.

## • Disability in Islamic Ethics & Medical Science

Qur'anic respect for those with impairments and how science now supports inclusive healthcare and neurodiversity.

### • Dizziness & Vertigo in Hadith and Medicine

Causes of dizziness and traditional Islamic remedies explored alongside ENT and neurological treatments.

### • **DNA Testing in Islamic Legal Cases**

How DNA is used for paternity and crime investigations, and the evolving fiqh opinions around admissibility of such evidence.

## E - Scientific Topics in Qur'an & Hadith

#### • Embryology in the Qur'an & Modern Science

The Qur'an outlines stages of human development in the womb — from a drop to a clot — consistent with embryology.

#### • Emotions in Hadith & Neuroscience

Prophetic teachings on anger, sadness, and joy mirror current understanding of emotional regulation in the brain.

### • Earth's Shape in the Qur'an

Verses describing the earth's expanse and rotation interpreted alongside spherical Earth and geodesy concepts.

#### • Eating Habits of the Prophet & Digestive Health

Sunnah practices like eating slowly, in moderation, and combining foods align with gut health research.

#### • Ecosystems & Environmental Balance in Islam

Surah Ar-Rahman and others highlight the balance (mīzān) in nature — a concept crucial in ecology and conservation.

#### • Ear and Hearing in the Qur'an

Qur'anic references to hearing before sight align with embryological development and the brain's auditory dominance.

#### • Electricity, Light & Our'anic Metaphors

Light as a symbol and physical phenomenon in the Qur'an, reflected in optics, electricity, and wave physics.

## • Eclipses & Prophetic Reaction



The Prophet  $\square$  treated eclipses with prayer and awe — a spiritual approach to a scientifically predictable event.

### • Endocrine System & Hormonal Influence in Islam

Hormones impact fasting, stress, puberty — areas addressed in Islamic rituals and teachings.

#### • Enzymes & Food Digestion in Islamic Wisdom

Sunnah eating manners support optimal enzyme release and digestive tract function, supported by gastroenterology.

### • Environmental Ethics in Islam

Islam teaches not to waste water, avoid pollution, and plant trees — principles that mirror global environmentalism.

## • Earthquakes: Natural Phenomena & Divine Signs

Qur'an describes earthquakes as both geological realities and spiritual reminders — consistent with seismology.

### • Eye Structure in Qur'an & Modern Optics

References to vision and blindness in the Qur'an align with the eye's anatomy and optical science.

## • Evolution in Islamic Thought & Biology

A look into classical and modern Islamic views on biological evolution, natural selection, and Adamic origin.

## • Exercise in Islam & Physical Health

Encouragement of archery, swimming, and walking in Hadith promotes cardiovascular fitness and mental health.

## • Eating with the Right Hand in Prophetic Hygiene

Prophetic practice backed by hygiene protocols — preventing hand-to-mouth transmission of pathogens.

## • Energy Balance & Fasting in Islam

How fasting regulates energy metabolism, insulin sensitivity, and supports weight and hormonal balance.

#### • Epigenetics in Islam & Qur'anic Allusions

How lifestyle and environment affect gene expression — echoing Qur'anic ideas of inherited moral and health consequences.

#### • Earwax Cleaning in Sunnah & ENT Health

Personal hygiene from Hadith — including ear and nose care — supports ENT health and microbial balance.

## • Excretion in the Qur'an & Human Anatomy

Subtle references to waste elimination and bodily purification, related to kidney, bowel, and urinary systems.



## F - Scientific Topics in Qur'an & Hadith

### • Fasting in Islam & Health Benefits

Ramadan and Sunnah fasting improve insulin sensitivity, cellular repair, and metabolic flexibility — supported by modern science.

## • Fever in Hadith & Immune Response

The Prophet  $\square$  described fever as a purifier; now known as a natural immune mechanism against infection.

#### • Flies in Hadith & Antibacterial Properties

Hadith about dipping a fly in drink corresponds with findings of antibacterial agents on fly wings.

## • Fingerprints in the Qur'an & Forensics

Surah Al-Qiyamah references restoring fingertips — a sign linked with modern forensic science and identity.

### • Flesh Formation in the Qur'an & Anatomy

The sequence of bone followed by flesh in embryonic development matches human fetal growth stages.

#### • Fruits in the Qur'an & Nutritional Science

Fruits like dates, figs, and pomegranates highlighted in the Qur'an are known for antioxidants, fiber, and healing.

#### • Face & Expressions in Islamic Psychology

Hadith encourage smiling — a behavior tied to emotional health and neurochemical responses like dopamine release.

### • Fat in Diet: Prophetic Guidance & Modern Nutrition

Balanced fat consumption in Sunnah diet aligns with science on good vs. bad fats and heart health.

### • Family Resemblance & Genetics in Islam

Hadith on children resembling parents mirrors concepts of dominant and recessive genes in inheritance.

### • Freshwater in the Qur'an & Hydrology

Qur'anic verses describe the origin, flow, and value of freshwater, matching modern hydrological science.

## • Filth & Disease Prevention in Islam

Islam's insistence on avoiding filth is a principle in infection control, now standard in medical hygiene.

### • Molecular Effects of Fasting in Qur'anic Context

Fasting promotes autophagy, gene expression changes, and hormonal balance — aligned with Qur'anic wisdom on self-purification.



## • Fossils & Creation in Islamic Perspective

How fossil records and ancient life forms are understood within Islamic creation concepts and Qur'anic verses.

## • Food Digestion & Sunnah Eating Habits

The Prophet's ☐ habits of moderation and proper food combinations improve digestion — supported by gastroenterology.

#### • Fatique, Stress & Islamic Lifestyle Remedies

Islam's rhythm of worship, rest, and diet can alleviate fatigue and mental burnout as supported by modern wellness models.

## • Fungal Infections & Islamic Hygiene

Emphasis on foot hygiene, clean clothing, and dryness prevents fungal infections, matching dermatological advice.

## • Five Senses in the Qur'an & Sensory Science

Qur'anic mentions of hearing, seeing, tasting, and touching align with sensory neuroscience and perception studies.

## • Fragrances in the Sunnah & Aromatherapy

Use of perfume and pleasant scents in Islam corresponds with their mood-enhancing and antimicrobial effects.

### • Fasting, Brain Health & Mental Focus

Research shows fasting improves neuroplasticity, memory, and focus — echoing the spiritual clarity described in hadith.

#### • Fasting & Cancer Prevention Research

Studies suggest fasting may slow tumor growth and strengthen cells — supporting prophetic wisdom on intermittent fasting.

## G - Scientific Topics in Qur'an & Hadith

#### • Genetics in Hadith & Modern Science

Hadith about child resemblance reflects genetic principles like dominant traits, Punnett squares, and DNA inheritance.

## • Gravity and Qur'anic Phenomena

References to holding the heavens without pillars are interpreted by scholars as metaphors for gravity and celestial laws.

#### • Germ Theory & Islamic Hygiene

Islamic teachings on washing hands, covering sneezes, and avoiding contamination align with germ theory and disease prevention.

### • Gut Health in Prophetic Diet

The Prophet's ☐ diet of fiber-rich foods, dates, and vinegar supports modern



microbiome and gut health research.

## • Gender Determination in Islam & Biology

Hadiths hinting at male/female contribution to offspring's features correspond with X/Y chromosome understanding.

## • Geology in the Qur'an: Mountains and Earth's Structure

The Qur'an mentions mountains as stabilizers of the Earth, resonating with geological plate tectonics.

#### • Guidance in Qur'an & Neural Pathways

The Qur'an often refers to "paths" — echoing neurological pathways for decision-making and behavior reinforcement.

### • Growth in Humans & Hormonal Regulation

The Qur'an's reference to human development aligns with modern understanding of growth hormones and puberty.

#### • Genetic Memory & Ancestral Traits in Islam

Qur'anic acknowledgment of inherited traits reflects concepts of epigenetics and transgenerational memory.

#### • Golden Ratio in Islamic Art & Human Anatomy

The golden ratio is seen in Quranic calligraphy, Islamic geometry, and human body proportions — a harmony in design.

## Gas Composition of Earth & Qur'anic Allusions

Air, oxygen, and gases necessary for life were hinted at in verses describing the sky's role in protection and sustenance.

#### • Galaxies & Universe Expansion in the Qur'an

Qur'an mentions the expanding universe — a concept confirmed by astrophysics and the discovery of galaxies beyond ours.

#### Glucose Metabolism and Benefits of Fasting

Islamic fasting impacts insulin regulation, glucose tolerance, and supports metabolic healing, proven in medical science.

## • Gases, Digestion & Islamic Purification Laws

Islamic rulings on passing gas show awareness of digestive processes and hygiene — now supported by gastroenterology.

#### • Germs in Mosques & Islamic Sanitation

Guidelines for mosque cleanliness reflect infection control practices, verified by microbiological research.

#### • Genomic Variation & Diversity in Qur'anic Thought

Qur'an speaks of human diversity in tongues and colors — now explained by population genetics and genomic variance.

• Glands in Human Body & Their Role in Health



Hormonal glands like pituitary and thyroid support health rhythms — relevant to Islamic teachings on cleanliness and fasting.

## • Greenery & Photosynthesis in the Qur'an

Verses about green plants drawing water and sunlight reflect the process of photosynthesis and carbon cycle science.

## • Gene Editing (CRISPR) & Islamic Ethics

The future of genetic modification raises questions in figh and bioethics, grounded in Qur'anic guidance on altering creation.

#### • Genetic Diseases & Inheritance in Islam

How Islam views inherited diseases, marriage counseling, and family history in light of genetic diagnostics.

## H - Scientific Topic index in Qur'an & Hadith

## • Hair Growth in Islam & Dermatology

Hadith on hair care, trimming, and oiling reflect scientific insights into scalp health and hair growth cycles.

## • Hygiene in Islam & Public Health

Islam's emphasis on cleanliness, from Wudu to Ghusl, aligns with disease prevention and global hygiene standards.

## • Honey in Hadith & Healing Properties

Qur'an and Hadith praise honey as a cure, now proven to have antibacterial, antioxidant, and wound-healing properties.

## • Handwashing in Islam & Germ Theory

Prophetic emphasis on washing hands before and after meals reflects modern hygiene and germ transmission prevention.

#### • Heartbeat in the Our'an & Cardiology

References to the heart in Qur'an go beyond metaphor and relate to emotional and physical cardiac functions.

## • Hunger in Islam: Spiritual & Physiological Impact

Fasting and delayed gratification strengthen willpower and metabolism — rooted in Hadith and nutrition science.

#### • Heat Regulation & Sunnah Clothing

Prophetic advice on white, loose, breathable garments supports thermal regulation and UV protection.

#### • Hand Structure in Qur'an & Human Anatomy

The Qur'an refers to hands in function and form, aligning with complex musculoskeletal and neuroanatomical design.



## • Healthcare in the Prophetic Era

Prophet Muhammad [] promoted healthcare access, herbal medicine, and hygiene — foundations for preventive medicine today.

#### • Heart Diseases in Islam & Science

Qur'anic references to the "sick heart" are both spiritual and medical — linked with stress, diet, and cardiovascular risks.

#### • Hormones in Islamic Lifestyle & Endocrinology

Sleep, fasting, and prayer affect hormonal cycles — now validated by modern endocrinology and neuroscience.

## • Headaches in Hadith & Neurology

Head pain and remedies are discussed in Hadith and supported by current understanding of migraine and stress triggers.

## • Hydrotherapy & Islamic Purification (Wudu & Ghusl)

Ritual purification improves circulation, relaxes muscles, and reduces stress — benefits backed by hydrotherapy studies.

## • Hijama (Cupping) in Sunnah & Modern Medicine

Cupping therapy is praised in Hadith and shown to reduce inflammation, pain, and improve blood flow in scientific research.

#### • Hearing in the Qur'an & Neuroscience

Qur'an mentions hearing before sight — matching fetal development where hearing activates first in the womb.

#### • Human Body Honor in Islam & Anatomy

Islam's reverence for the body encourages respect, protection, and cleanliness — a holistic view affirmed in health sciences.

#### • Hydration in Sunnah & Medical Benefits

Drinking in sips, sitting down, and saying Bismillah — Sunnah practices that promote hydration and digestion.

### • Halal & Haram Foods: Scientific Insights

Prohibited items like pork and blood carry medical risks, while halal diets are tied to cleanliness, mental clarity, and gut health.

#### Hair Dye & Safety in Islam and Dermatology

Sunnah encouraged hair dye, avoiding black. Modern safety concerns with certain dyes echo this practice.

### • Happiness in Islam & Positive Psychology

Gratitude, prayer, and social bonds are linked in Islam to well-being — supported by studies in positive psychology.



## I - Scientific Topic index in Qur'an & Hadith

#### • Intestines in Islam & Digestive Science

Hadith describing the intestines of believers vs. disbelievers touches on gut volume and food quantity — validated by nutrition science.

## • Iron in the Qur'an & Metallurgy

Surah Al-Hadid highlights iron's strength — a reflection of its vital role in construction, blood function, and Earth's core.

#### • Isra & Mi'raj: Scientific Possibilities & Faith

The Prophet's  $\square$  night journey explores spiritual dimensions beyond time and space — now speculated in quantum physics and relativity.

#### • Infection Control in Islamic Teachings

Avoiding contagious areas, covering sneezes, and isolating the sick — Prophetic guidance that aligns with modern epidemiology.

#### • Intuition in Islam & Neuroscience

Inspiration (ilham) and inner guidance are honored in Islam — paralleling insights into subconscious decision-making and the gut-brain axis.

## • Insects in the Qur'an & Entomology

Mention of bees, ants, and flies reveals intricate insect behavior — consistent with entomological discoveries.

#### • Ibadah (Worship) & Neuroplasticity

Regular worship patterns like Salah rewire the brain, strengthen neural networks, and enhance mindfulness.

#### • Islamic Interval Eating & Metabolic Health

Practices like delayed breakfast and evening meals resemble intermittent fasting and time-restricted feeding.

## • Immunity in Islamic Teachings & Modern Science

Spiritual resilience and cleanliness are foundational to immunity — backed by studies on fasting, stress, and hygiene.

### • "Igra" and the Rise of Scientific Civilization

The command to "Read" in Surah Al-'Alaq sparked Islamic curiosity and scholarship, laying foundations for scientific exploration.

## • Injuries in Prophetic Medicine & Healing

Use of honey, black seed, and bandages in Prophetic medicine reflect wound care and natural healing principles.

### • Insomnia in Islamic Teachings & Sleep Science

Night worship, pre-sleep duas, and posture guidance aid sleep quality — aligning with cognitive behavioral sleep therapy.



#### • Ice, Cooling & Thermal Medicine in Islam

Sunnah use of cool water in fever reflects the early understanding of temperature regulation in health recovery.

#### • Identity, Lineage & DNA in Islam

Islam preserves lineage rights and forbids tampering — now complemented by genetic tests and forensic DNA.

#### • Infertility in Islam & Reproductive Medicine

Islamic compassion for infertile couples is echoed in medical advances like IVF, balanced by ethical guidelines in Shari'ah.

## • Inheritance Laws & Genetic Logic in Islam

Qur'anic inheritance rules consider family closeness — now reflected in genetic relatedness and allele sharing.

## • Indigestion & Sunnah Dietary Habits

Moderation, avoiding overeating, and food combining in Sunnah align with gastroenterological advice.

## • Iron Deficiency & Prophetic Nutrition

Foods like dates, liver, and meat — recommended in Hadith — help prevent anemia and improve iron absorption.

## • Ilham (Divine Intuition) & Right-Brain Science

Qur'anic mentions of inner insight match right-brain creativity, non-verbal cognition, and emotional intelligence.

## • Islam's Impact on Global Scientific History

From optics to algebra, Muslim scientists fueled the scientific revolution — a legacy sparked by Islamic revelation.

## J - Scientific Topics in Qur'an & Hadith

#### Joints in the Qur'an & Human Anatomy

Hadith mentions 360 joints in the human body — a number confirmed by modern anatomical science.

### • Jinn in Islam & Energy-Based Theories

The Qur'an describes Jinn as beings created from smokeless fire — explored today through metaphysical energy and plasma models.

#### • <u>Justice in Islam & Neuroethics</u>

Qur'anic justice aligns with neuroscience of fairness, empathy, and decision-making within the prefrontal cortex.

#### • <u>Judgement Day in the Qur'an & Cosmic Events</u>

Qur'anic depictions of cosmic collapse mirror scientific theories of entropy, black



holes, and end-of-universe scenarios.

#### Jihad & Psychological Resilience

The inner struggle (Jihad al-Nafs) aligns with concepts of emotional regulation, willpower, and cognitive behavior.

## • Justice System in Islam & Social Sciences

Islamic legal balance between punishment and forgiveness resonates with sociology and behavioral criminology.

### • Judgement & Decision-Making in the Qur'an

Qur'anic guidance on reasoning and judging reflects neural processes tied to ethics, logic, and intention.

### • Journeys in the Qur'an & Space Exploration

Verses about traveling through the heavens are often compared with space-time concepts and human space missions.

## • Judicial Punishment & Deterrence Theory

Islam's legal penalties are framed with evidence, deterrence, and restoration — studied in modern criminology.

## • Jubilation in Islam & Hormonal Responses

Expressions of gratitude and joy in worship are linked to dopamine, serotonin, and endorphin release in psychology.

#### • Judgement of Nations in the Qur'an & History

The fall of arrogant civilizations as warned in Qur'an corresponds with patterns in historical anthropology and sociology.

#### Jungle Life, Animals & Qur'anic Wisdom

Qur'an mentions wildlife like lions, camels, and ants — highlighting ecological awareness and interdependence.

#### • Joy in Islam & Mental Health Benefits

Finding joy in faith practices (dhikr, salah) aligns with mindfulness and emotional resilience in modern therapy.

## • Judging Intentions: Islam & Neurobiology

The Islamic concept of "niyyah" (intention) corresponds with preconscious neural activation before actions.

#### • Joint Health in Sunnah & Modern Medicine

Use of olive oil, posture during salah, and moderate movement supports cartilage health and reduces arthritis risk.

#### • **Journaling in Islamic Tradition & Psychology**

Islamic scholars maintained journals — now known to boost memory, emotional clarity, and cognitive health.

#### • Jurisprudence & Logical Reasoning in Islam



Usul al-Fiqh relies on analogical reasoning (qiyas) and deduction — principles studied in philosophy and logic.

## • Jilbab, Modesty & UV Protection

Wearing loose, covering clothing aligns with sun protection, body temperature regulation, and skin cancer prevention.

## • <u>Iudgement in Dreams & Subconscious Insights</u>

Prophetic dreams and insights into akhira relate to subconscious processing and spiritual-psychological interfaces.

## • Justice for Animals in Islam

Hadiths on mercy toward animals align with veterinary ethics, behavioral science, and animal rights awareness.

## K - Scientific Topics in Qur'an & Hadith

### • Kidneys in the Qur'an & Renal Function

The Qur'an's emphasis on water and purification parallels the kidney's filtration function — central to homeostasis.

## • Knowledge in Islam & Cognitive Science

Islam emphasizes seeking knowledge; modern science affirms lifelong learning boosts neuroplasticity and memory.

#### • Kaaba, Geometry & Geospatial Alignment

The Kaaba's alignment and location relate to Earth's gravitational center and geodesic significance.

## • Khat Use: Islamic Rulings & Neuroscience

Islam prohibits harmful intoxicants like khat — now shown to cause neural damage and psychological dependence.

### • Kohl (Antimony) in Sunnah & Eye Health

The Prophet [] used kohl (ithmid), a traditional eye cosmetic with antibacterial and tear-promoting properties.

## • Kissing in Islam & Oxytocin Bonding

Affection in marriage, as encouraged in Hadith, supports oxytocin release — key for trust and emotional bonding.

### • Karamah & Extraordinary Human Potential

Islamic concept of saintly miracles is explored alongside rare cognitive, emotional, and spiritual phenomena in science.

### • Kneeling in Salah & Joint Flexibility

The sujood and ruku postures enhance flexibility and preserve cartilage — now recommended in physical therapy.



### • Kidneys, Urinary System & Taharah

Cleanliness in Islam includes attention to urine and bladder hygiene — directly connected to urinary tract health.

#### • Kindness in Islam & Mental Wellness

Hadiths on gentleness mirror research showing acts of kindness boost serotonin and reduce cortisol.

#### • Kaaba's Location & Magnetic Fields

Some studies suggest the Kaaba sits near the Earth's magnetic equilibrium — intriguing geophysical interpretations.

## • Kufr (Denial) & Cognitive Dissonance

The Qur'an links spiritual denial with inner resistance — now studied as cognitive dissonance in psychology.

## • Kissing the Black Stone: Ritual & Symbolism

The symbolic act of kissing the Hajar al-Aswad reflects submission, with links to emotional memory and ritual neuroscience.

## • Knee Anatomy in Salah & Physiotherapy

Prayer movements stretch ligaments, strengthen quadriceps, and support knee health in aging populations.

#### • Kidney Donation & Islamic Bioethics

Islam permits saving lives through organ donation with guidelines on consent, intention, and reward.

## • Karamah vs Magic: Miracles, Illusions & Science

Islam distinguishes between divine miracles and false magic — now studied in psychology and cognitive illusion science.

#### • Kids' Learning in Islam & Brain Development

Early memorization and exposure to Qur'an support neurodevelopment and long-term verbal memory.

### Kicking in the Womb & Qur'anic Prenatal Signs

Qur'an refers to Isa's speech from the cradle and fetal motion — linked to fetal activity tracking in obstetrics.

#### • Kissing Parents in Islam & Emotional Health

The Prophet  $\square$  kissed children and respected elders — linked to oxytocin, emotional security, and family bonding.

### • Kufr & Spiritual Conditioning of the Heart

Qur'anic references to sealed hearts reflect psychological patterns of stubbornness, pride, and denial in behavior science.



## L - Scientific Topics in Qur'an & Hadith

### • Laughter in Islam & Mental Health

The Prophet  $\square$  smiled often — supported by studies showing that laughter reduces stress, improves immunity, and enhances mood.

## • Liver in Qur'an & Modern Hepatology

While not named explicitly, Qur'anic references to blood and detoxification relate to the liver's essential functions.

#### • Light in the Qur'an & Physics of Photons

Surah An-Nur metaphorically describes light, echoing concepts of reflection, speed, and wave-particle duality in physics.

## • Learning in Islam & Neuroplasticity

The Qur'an emphasizes seeking knowledge — modern neuroscience links it to cognitive growth and neural rewiring.

### • Lungs in Islamic Teachings & Respiratory Science

Islamic hygiene practices protect respiratory health — now supported by research on airborne disease and lung capacity.

## • Leadership in Islam & Behavioral Psychology

Prophetic leadership blends empathy, decisiveness, and trust — qualities studied in organizational and social psychology.

#### • Locusts in Qur'an & Ecological Disasters

Qur'an references locust swarms as signs — these reflect real ecological collapses and agricultural science.

### • Limbs in the Qur'an & Islamic Anatomy

Qur'anic references to hands, feet, and movement are consistent with modern studies of human biomechanics.

## • Logic in Islamic Sciences & Philosophy

Classical scholars integrated Aristotelian logic into Islamic theology — now studied in reasoning and cognitive science.

#### • Latifa (Subtle Heart) & Consciousness Studies

Sufi concepts of the spiritual heart align with research into consciousness, emotional processing, and intuition.

## Language in the Qur'an & Linguistic Science

Qur'anic eloquence demonstrates phonetic beauty, grammatical complexity, and linguistic structures studied today.

#### • Labour in Islam & Obstetric Science

Hadiths on childbirth and du'as for labor pain show compassion, now supported by pain science and midwifery research.



#### • Love in Islam & Hormones like Oxytocin

Marriage, family bonds, and affection in Islam stimulate oxytocin and emotional wellbeing, confirmed by neuroscience.

## • Lunar Calendar in Islam & Astronomy

The Hijri calendar follows moon cycles — matching astronomical data on lunar phases, eclipses, and visibility.

#### • Left vs Right Brain in Islamic Thinking

Islamic balance of logic and creativity aligns with brain hemispheric specialization — studied in cognitive neuroscience.

## • Language Acquisition in Islam & Child Development

Early exposure to Qur'anic recitation improves phonemic awareness, vocabulary, and brain development in children.

#### • Leaf Structure in Qur'an & Botanical Science

The Qur'an references leaves as signs — their microscopic design aligns with photosynthesis and transpiration studies.

## • Licking Fingers in Sunnah & Digestive Health

Encouraged in Hadith, this Sunnah may aid enzyme release and mindful eating — supported by behavioral nutrition.

## • Lightning in Qur'an & Electromagnetic Science

Described in the Qur'an as awe-inspiring, lightning is now understood through ionization, charge buildup, and meteorology.

## • Lips & Speech in Islam & Phonetic Science

Surah Al-Balad mentions lips and tongue — key tools in speech production, studied in linguistics and phonetics.

## M - Scientific Topics in Qur'an & Hadith

#### • Milk in the Qur'an & Nutritional Science

Mentioned in Surah An-Nahl, milk is a complete food — rich in calcium, protein, and linked to gut microbiota.

#### • Mountains in Qur'an & Plate Tectonics

Qur'an describes mountains as pegs — interpreted today as stabilizers of Earth's crust via tectonic science.

#### Moon in Qur'an & Lunar Science

The moon's phases, light reflection, and calendar use in Islam align with astronomical data and moon-based timekeeping.

#### • Medicine in Prophetic Tradition & Modern Science

Prophetic remedies like honey, black seed, and cupping now hold verified



antibacterial, immune, and circulatory benefits.

#### • Miswak in Islam & Oral Hygiene Science

Sunnah of using miswak for brushing is confirmed to reduce plaque, bacteria, and support gum health.

## • Maggots & Islamic Wound Healing

Maggot therapy, used historically in Islamic medicine, is now FDA-approved for debridement and tissue regeneration.

### • Manners in Islam & Behavioral Psychology

Sunnah manners like saying salaam and not interrupting align with behavioral conditioning and social neuroscience.

## • Morning Light in Sunnah & Circadian Rhythm

Early rising and exposure to Fajr sunlight boosts serotonin and aligns with natural circadian rhythms.

## • Menstruation in Islam & Reproductive Science

Islamic rulings on menstruation show compassion and cleanliness — matching biological and hormonal understanding.

## • Marriage in Islam & Health Benefits

Marriage as a sunnah enhances mental health, lowers cortisol, and increases life expectancy according to studies.

#### • Money in Islam & Neuroeconomics

Qur'anic warnings against greed and usury reflect behavioral economics and brain response to financial decisions.

#### • Mindfulness in Salah & Neuroscience

Khushu' during prayer activates attention networks and calms the default mode brain — studied in meditation science.

#### Mercy of the Prophet ☐ & Empathy Science

Prophetic mercy toward children, animals, and enemies reflects mirror neuron activation and compassionate behavior.

## • Maggid (Moral Reminder) & Moral Cognition

Islamic moral reminders develop empathy and conscience — now linked to the brain's medial prefrontal cortex.

#### • Microorganisms & Islamic Cleanliness

Wudhu, ghusl, and handwashing remove microbial contaminants — validated by modern microbiology.

#### • Miscarriage in Islam & Grief Psychology

Islamic perspective on miscarriage offers hope and reward — aligned with compassionate grief therapy.

Milk of Paradise & Concepts of Biological Purity



Descriptions of heavenly milk suggest ideals of perfect sustenance and purification beyond earthly food systems.

#### • Memory in Islam & Brain Function

Qur'anic memorization strengthens the hippocampus — related to memory consolidation and long-term retention.

#### • Male & Female in Our'an & Genetic Determination

Qur'an references gender creation — confirmed by X and Y chromosomes in scientific embryology.

### • Milky Way & Order in the Universe (Qur'an)

The Qur'an describes stars in orbits — reflecting our galaxy's spiral motion and astronomical structure.

## N - Scientific Topics in Qur'an & Hadith

## • Nails in Islam & Keratin Biology

Islamic teachings on trimming nails align with hygiene and keratin renewal cycles studied in dermatology.

### • Nutrition in Qur'an & Modern Dietetics

The Qur'an promotes wholesome foods like dates, olives, and honey — now known for their rich nutritional profiles.

#### • Night in the Qur'an & Sleep Science

Verses on night rest correlate with melatonin cycles, circadian rhythm, and mental rejuvenation during sleep.

## • Nearness to God & Neuroscience of Spirituality

Qur'anic expressions of divine closeness correspond with neurological studies on transcendence and spiritual experiences.

## • Najasa (Impurity) in Islam & Pathogen Science

Islamic rulings on impurity coincide with germ theory and microbial contamination awareness in public health.

## • Nasal Cleaning in Wudhu & Nasal Health

The Sunnah of rinsing the nose removes pathogens and allergens — now confirmed by ENT research and nasal irrigation science.

#### • Nabawi Medicine & Integrative Health

Prophetic Medicine combines spiritual and physical well-being — a holistic model reflected in integrative medicine today.

#### • Natural Disasters in Qur'an & Earth Sciences

Earthquakes, floods, and storms are mentioned as signs — these match geophysical phenomena studied in geology.



#### • Nerves in Islam & Neuroanatomy

Islamic insights into sensation and pain mirror modern understanding of the nervous system and neuroreceptors.

## • Nutmeg & Islamic Rulings on Toxic Substances

Classical scholars debated nutmeg's use — now known to be psychoactive in large doses and regulated in food science.

#### • Night Prayer (Qiyam) & Hormonal Health

Hadiths praise Tahajjud; studies show late-night prayer improves cortisol balance and stress recovery.

## • Noah's Flood in Qur'an & Hydrological Evidence

Stories of the great flood align with regional flood myths and ancient sediment studies in geoscience.

## Narcissism in Islam & Personality Psychology

Qur'an warns against arrogance — modern psychology defines narcissism as a disorder rooted in ego inflation.

## • Nur (Light) in the Qur'an & Biophotonics

Islamic metaphors of divine light are compared to cellular bioluminescence and photon communication in biology.

## • Nose in Prophetic Cleanliness & ENT Science

Daily nasal cleaning in Islam reduces respiratory infections — supported by otolaryngology research.

#### • Numbness & Spiritual Insensitivity in the Qur'an

Qur'an describes spiritual blindness — comparable to neuropsychological numbness and moral disengagement.

#### Rise & Fall of Nations in Qur'an & Sociology

The Qur'an discusses the decline of corrupt nations — parallels are found in historical sociology and civilizational theory.

#### • Natural Medicine in Islam & Herbal Science

The Prophet  $\square$  used herbs like senna, costus, and black seed — now studied for anti-inflammatory and antimicrobial properties.

#### • Nutrition During Ramadan & Metabolic Health

Fasting followed by nutrient-dense foods improves insulin sensitivity and supports weight regulation.

### • Nerve Regeneration & Du'a in Healing

Spiritual hope and du'a contribute to pain modulation and recovery — overlapping with neuroplasticity in injury recovery.



## O - Scientific Topics in Qur'an & Hadith

#### • Olives in the Qur'an & Nutritional Science

Mentioned in Surah At-Tin, olives are rich in antioxidants, healthy fats, and antiinflammatory compounds.

### • Obedience in Islam & Neurobehavioral Science

Obedience to divine commands parallels research in moral cognition, decision-making, and self-control.

#### • Oxygen, Breathing & Islamic Hygiene

Wudhu and breathing etiquette in Hadith promote clean respiration — supported by respiratory and oxygenation science.

## • Oil Application in Sunnah & Dermatology

The Prophet  $\square$  used oils for skin and hair — modern science shows benefits in hydration, protection, and skin health.

#### • Obedience to Parents & Emotional Health

Qur'an commands respect for parents — which builds secure attachment and emotional stability in developmental psychology.

#### • Oceans in Qur'an & Marine Science

Verses about deep oceans and internal waves align with discoveries in marine biology and oceanography.

#### • Organ Donation in Islam & Bioethics

Islam allows life-saving organ donation under ethical guidelines — matching modern bioethical frameworks.

#### Obesity in Islam & Dietary Science

Prophetic moderation in eating aligns with modern nutrition advice on caloric balance and metabolic health.

#### Observation in Our'an & Scientific Method

Qur'anic verses urging observation and reflection align with foundational principles of empirical science.

### • Orphans in Islam & Developmental Psychology

Islam's care for orphans protects emotional and cognitive development — backed by child psychology studies.

### • Ozone Layer & Qur'anic Themes of Earth Protection

Qur'an encourages preservation of creation — relevant to environmental sciences and ozone layer protection.

### • Olfactory Sense & Islamic Cleanliness

Sunnah practices of scent and hygiene correlate with olfactory stimulation and its effect on mood and memory.



## • Offspring in the Qur'an & Genetic Inheritance

Qur'anic discussions of lineage reflect genetic transmission and concepts in modern heredity and DNA.

## • Oaths in Islam & Psychological Commitment

Taking oaths in Islam strengthens accountability — comparable to modern cognitive commitment theory.

#### • Osteoporosis & Islamic Postures

Regular prayer movements (rukū, sujūd) help maintain bone strength and reduce risk of osteoporosis in elders.

## • Obedience to Allah & Dopamine Reward Pathways

Acts of worship may trigger reward systems in the brain — increasing inner peace and compliance satisfaction.

## Black Seed Oil in Sunnah & Immunology

The Prophet  $\square$  called black seed a cure for every disease — now supported by studies on its anti-inflammatory and immune effects.

## • One-Third Eating Rule & Digestive Health

The Hadith on filling one-third with food, water, and breath promotes gut health and prevents overeating.

#### Old Age in Islam & Gerontology

Honoring the elderly is emphasized in Hadith — matching modern insights on aging, respect, and psychological support.

## • Obedience in Rituals & Mental Discipline

Consistent prayer and fasting cultivate self-regulation and executive control, confirmed in neuroscience.

## P - Scientific Topics in Qur'an & Hadith

## • Prophetic Medicine & Evidence-Based Science

Remedies like honey, black seed, and cupping are now supported by clinical research in immune and pain health.

#### • Prayer in Islam & Neuroscience

Salah enhances mindfulness, reduces stress, and improves brain regions associated with focus and emotional regulation.

#### • Patience in Islam & Psychological Resilience

The Qur'an praises patience (sabr); psychologists link it to emotional regulation, long-term success, and resilience.

#### • Parenting in Islam & Child Development

Parental love and discipline in Hadith align with modern developmental psychology



and secure attachment theory.

## • Purity in Islam & Microbiology

Concepts of ṭahārah prevent microbial contamination and are backed by hygiene and infection control practices.

## • Prophet Nuh [] & Hydrological Science

The flood narrative corresponds with geoscientific data on ancient regional floods and marine sediment records.

#### • Prophet Ibrahim & Cosmic Reflection in Qur'an

Ibrahim's pondering over stars, moon, and sun mirrors the Qur'anic invitation to reflect on cosmic systems.

## • Pomegranate in Qur'an & Antioxidant Science

Named in the Qur'an, pomegranates are now praised for anti-inflammatory, cardiovascular, and antioxidant properties.

## • Procreation in Qur'an & Embryology

Qur'anic stages of human creation align with embryological development: nutfah  $\rightarrow$  'alagah  $\rightarrow$  mudghah.

## • Prophet Muhammad [] & Mental Health Principles

His life models emotional intelligence, empathy, and mental resilience — principles used in psychotherapy today.

### • Prophet's Sleep Schedule & Circadian Science

Sleeping after Isha, waking for Tahajjud, and napping (Qailulah) align with sleep efficiency and biological rhythms.

#### Peace in Islam & Neurochemical Balance

Spiritual practices like dhikr and dua increase serotonin and GABA, promoting peace and emotional balance.

#### • Prophet's Lifestyle & Preventive Medicine

Balanced eating, physical activity, and hygiene in Sunnah mirror modern preventive medicine principles.

## • Prophetic Advice on Eating & Nutritional Science

Sunnah promotes moderation, sitting while eating, and mindful consumption — all endorsed by modern nutritionists.

#### • Pilgrimage (Hajj) & Public Health Measures

Crowd management, cleanliness, and medical teams at Hajj reflect advanced principles of global health systems.

#### • Pulse in Islam & Cardiovascular Health

Early Islamic physicians assessed the pulse — a practice now core to understanding heart rate and circulatory health.

#### • Prophetic Hygiene & Disease Prevention



Hadiths on washing hands, clipping nails, and covering sneezes predate and match CDC guidelines for disease control.

#### • Plant-Based Healing in Sunnah & Herbal Science

Islamic medicine recommends herbs like senna, costus, and henna — now studied for antimicrobial and healing effects.

## • Prophet as Educator & Cognitive Science of Learning

His teaching methods (stories, repetition, visual cues) reflect effective learning models in educational psychology.

### • Planets in Qur'an & Modern Astronomy

Qur'an references celestial bodies and orbits — aligning with planetary motion, space physics, and astronomy.

## Q - Scientific Topics in Qur'an & Hadith

### • Qur'an & Modern Science: A Harmony

The Qur'an encourages reflection on nature — many verses align with discoveries in cosmology, embryology, and biology.

### • Qadr (Divine Decree) & Genetic Determinism

Belief in Qadr coexists with genetic predispositions — both influencing health outcomes and behavior.

#### Qibla Direction & Earth's Geodesy

Determining Qibla from various points of Earth involves advanced geographical and astronomical calculations.

## • Qiyam al-Layl & Sleep Science

Late-night prayer boosts self-discipline and matches the biological benefits of segmented sleep.

### • Qur'anic Light Metaphors & Photon Science

"Allah is the Light of the heavens and the earth" resonates with symbolic light, now explored in biophoton research.

## • Qur'an on Earth's Shape & Astronomy

The Qur'an uses terms like "dahaha" (spread/egg-shaped) — now interpreted as aligning with Earth's oblate spheroid shape.

#### • Qur'anic Reference to Water Cycle

Descriptions of rain, evaporation, clouds, and plant growth remarkably align with the modern hydrological cycle.

#### Qur'an on Iron & Metallurgy

The Qur'an describes iron as a powerful material — later discovered to have extraterrestrial origins in supernovae.



### Qur'an on Human Creation & Embryology

The developmental stages from drop to clot to lump mirror precise embryological phases discovered centuries later.

### • Qur'anic Time Concept & Relativity

Verses referencing "a day like 50,000 years" reflect flexible time perception — resonating with Einstein's theory.

#### • Qur'an on Plants & Botany

The Qur'an mentions paired plants, fruits, and reproduction — matching with pollination and plant biology.

## • Qur'an on Ocean Barriers & Density Differences

"A barrier between salty and sweet water" aligns with scientific observations of thermoclines and estuarine boundaries.

### • Qur'an & Universe Expansion

Surah Adh-Dhariyat (51:47) refers to the expanding universe — now a central cosmological principle.

### • Qur'an & Quark Structure in Matter

While not directly named, the Qur'an's references to unseen realities inspire reflections on subatomic particle theory.

#### Qur'an on Pairs in Reproduction

The Qur'an states "of everything We created pairs" — now understood in terms of chromosomes and sexual reproduction.

#### Qur'an on the Sky as a Protective Roof

Describes the sky as a protector — relevant to the ozone layer, atmosphere, and shielding from cosmic radiation.

#### • **Qur'anic Miracle of Bees**

The female bee is specified in Arabic grammar — in line with entomological facts about foraging bees.

#### • Qur'an on Silence & Mental Peace

Verses encourage silence and reflection — supported by neuroscience showing quiet time helps brain regeneration.

#### • Qur'an on Sky Layers & Atmospheric Science

Describes seven layers of skies — interpreted in light of Earth's atmospheric layers and space zones.

### • Qur'an & Earthquake Predictions

Surah Az-Zalzalah describes seismic activity — paralleled by tectonic theory and geoscience monitoring today.



## R - Scientific Topics in Qur'an & Hadith

#### • Rain in Qur'an & the Water Cycle

The Qur'an describes rainfall, cloud formation, and evaporation — perfectly aligned with hydrological science.

## • Resurrection & Cellular Regeneration

The Qur'anic concept of resurrection parallels scientific insights into DNA preservation and regenerative biology.

## • Ramadan Fasting & Metabolic Health

Fasting improves insulin sensitivity, lipid profiles, and cell repair — aligning with intermittent fasting science.

## • Righteousness & Positive Psychology

Islamic virtues like honesty and patience are shown to improve well-being and resilience in psychological research.

### • Rocks in Qur'an & Geological Formation

The Qur'an speaks of mountains, hardness, and minerals — consistent with geologic layering and tectonic shifts.

### • Qur'anic Recitation & Cognitive Neuroscience

Listening to Qur'an activates memory, calms brain waves, and enhances language processing centers.

#### • Rivers in Our'an & Earth Geography

The Qur'an's description of rivers beneath paradise has inspired geographic and hydrological explorations.

## • Ranks of Prophets & Social Influence Theory

The leadership qualities of prophets align with theories of moral influence, charisma, and transformational leadership.

#### • Repentance in Islam & Neuroplasticity

Sincere repentance involves conscious change, which aligns with brain rewiring and behavioral transformation.

## • Splitting of Rocks in Qur'an & Seismic Activity

Qur'anic verses on rocks cracking align with earthquake science and subduction plate boundaries.

#### • Responsibility in Islam & Psychological Maturity

Islamic emphasis on amanah (trust) and accountability supports character development and emotional intelligence.

#### • Rahma (Mercy) & Compassion Science



Allah's attribute of mercy is mirrored in neuroscience, where compassion boosts serotonin and oxytocin.

## • Rationality in the Qur'an & Critical Thinking

Qur'anic arguments often invite logic and observation — key pillars in scientific and philosophical reasoning.

## • Red Sea in Qur'an & Oceanography

The Qur'an narrates the parting of the sea — this area holds tectonic ridges and unique seafloor features.

### • Reward in Islam & Dopamine Systems

Islamic practices that promise reward activate dopamine pathways involved in motivation and gratification.

## • Rugyah Healing & the Placebo Effect

Spiritual recitations like Ruqyah may invoke placebo mechanisms, stress reduction, and immune modulation.

### • Rainbows & Qur'anic Signs of Mercy

While not named directly, the symbolism of rain and light fits modern optical science of rainbows and prisms.

## • Reproduction in Hadith & Genetics

Prophetic sayings about lineage and traits reflect foundational ideas of dominant genes and inheritance.

#### Rising of the Sun & Earth's Rotation

Qur'an describes the sun's rising — now understood through Earth's axial spin and solar alignment.

### • Rain Purification in Islam & Atmospheric Cleansing

Rain as a purifier in Hadith aligns with how rain removes pollutants and purifies the air — proven in climate science.

## S - Scientific Topics in Qur'an & Hadith

#### Salat & Neuroscience of Focus

The structure of prayer improves mindfulness, activates prefrontal cortex, and reduces anxiety.

#### • Sleep in Islam & Circadian Rhythm

Prophetic sleep patterns support sleep quality, REM balance, and match circadian science.

#### • Sujūd & Brain Circulation

The prostration position increases blood flow to the brain, promoting calmness and focus.



#### • Sabr (Patience) & Cortisol Regulation

Patience in trials helps lower cortisol levels and improve resilience, confirmed by psychological studies.

## • Shūrā (Consultation) & Cognitive Decision-Making

Collective decision-making in Islam mirrors the neuroscience of group cognition and problem-solving.

## • Sadaqah (Charity) & Oxytocin Release

Giving charity activates reward centers and oxytocin release, enhancing emotional well-being and social bonding.

## • Saliva & Dental Hygiene in Sunnah

Use of miswak promotes healthy saliva, reduces plaque, and is supported by dental research.

## Safety Measures in Islam & Epidemiology

Hadiths on quarantine and hygiene during plagues align with public health science.

#### Scent in Sunnah & Olfactory Psychology

Use of fragrance uplifts mood, triggers memory, and correlates with neural activation in limbic areas.

#### • Sanctity of Life in Islam & Bioethics

The Qur'an upholds life's sacredness — a foundational concept in modern bioethical frameworks.

#### • Sabbath-like Rest & Modern Recovery Science

Islam encourages periodic rest and reflection — aligning with science on sleep debt recovery and cognitive refresh.

#### Sun in Qur'an & Astronomy

Descriptions of solar movement inspire studies in solar physics and seasonal changes.

#### • Soil in Qur'an & Agricultural Science

Qur'an mentions soil types and fertility — matching modern soil science and crop viability.

#### • Shadow in Qur'an & Earth's Rotation

Qur'anic reference to shadow movement aligns with Earth's rotation and solar position.

#### • Shock in Qur'an & Psychological Trauma

Verses describing emotional shock match scientific understanding of trauma and freeze response.

#### Silence in Islam & Mental Clarity

Hadiths praising silence resonate with studies showing that quietness aids brain detox and clarity.

#### • Sight in Qur'an & Optical Science



Qur'an speaks of eyesight, blindness, and perception — correlating with vision biology and light physics.

### • Skin in Qur'an & Somatosensory Science

Qur'an mentions skin and sensation in the afterlife — related to skin receptors and pain response science.

#### • Sickness in Islam & Immune Science

Hadiths about illness, cure, and prevention parallel immune system mechanisms and recovery.

## • Solar & Lunar Calendars in Islam & Astronomy

Islamic events follow lunar cycles — studied in astronomy for eclipses, moon sighting, and timekeeping.

## T - Scientific Topics in Qur'an & Hadith

## • <u>Tahārah (Purity) & Microbiology</u>

Ritual purity guidelines help reduce bacterial transmission — validated by microbiological hygiene principles.

## • Tawakkul (Trust in Allah) & Mental Resilience

Trusting divine decree aligns with lower anxiety levels and parallels cognitive reframing techniques in therapy.

## • Talaq (Divorce) & Psychological Wellness

Islamic divorce procedure balances emotion with structured time — echoing mental health models for healing transitions.

## • Tarbiyah (Islamic Upbringing) & Child Psychology

Qur'anic parenting ethics align with emotional intelligence and attachment theory in child development science.

#### • Tears in Hadith & Neurobiology

Tears of fear or mercy are praised in hadith — today seen as emotional regulators linked to oxytocin and stress relief.

## • Thankfulness in Islam & Dopamine Boost

Shukr practices like daily gratitude mirror proven methods to enhance mood and release dopamine in the brain.

#### • Times of Prayer & Circadian Science

Five daily prayers match the body's natural hormonal and light/dark cycles — supporting biological well-being.

## • Tagwa (God-Consciousness) & Executive Brain Function

Mindfulness of Allah enhances moral control and is related to higher activity in the brain's prefrontal cortex.



#### • Tawbah (Repentance) & Neural Rewiring

Sincere repentance enables behavioral change — in line with neuroplasticity and habit transformation science.

### • Tayammum & Skin Health Science

Dry ablution with clean soil supports cleanliness during water shortage — backed by studies on dust antiseptics.

#### • Trees in Qur'an & Environmental Science

The Qur'an emphasizes tree creation and benefits — core to ecology, oxygen balance, and climate regulation.

## • Travel in Islam & Cognitive Development

The Qur'an encourages travel — which neuroscience links to learning, creativity, and adaptability.

## • Tribes in Qur'an & Genetic Diversity

Allah created nations and tribes to know each other — now reflected in global genetic variation and anthropology.

## • Tongue in Hadith & Speech Neuroscience

Hadiths on controlling the tongue relate to frontal lobe regulation and speech-motor brain circuits.

#### • Trust in Islam & Oxytocin Chemistry

Islamic values of amanah (trustworthiness) reflect interpersonal bonding and trust hormones like oxytocin.

#### • Tides in Qur'an & Gravitational Science

Sea movement is guided by the moon's pull — reflected in Qur'anic verses about the moon and sea.

### • Tumors & Prophetic Herbal Medicine

Herbal remedies mentioned in Hadith like costus and black seed are under research for antitumor properties.

#### • Tafsīr (Exegesis) & Scientific Interpretation

Scholars today explore multi-layered tafsir — some correlating Qur'anic language with scientific symbolism.

#### • Temperature in Qur'an & Climate Zones

The Qur'an refers to variations in heat and cold — now understood in terms of latitudinal climate zones.

#### • Time Perception in Qur'an & Relativity

Qur'anic references to relative time ("a day like 1,000 years") resonate with Einstein's theory of time dilation.



## U - Scientific Topics in Qur'an & Hadith

## Universe Expansion in Qur'an & Cosmology

The Qur'an (51:47) mentions the expansion of the heavens — a confirmed concept in Big Bang cosmology.

### • **Umbilical Cord & Fetal Nourishment**

Qur'anic references to womb development (Surah Az-Zumar) imply intricate nutrient transport via umbilical connection.

## • Unity in Creation & Ecosystem Interdependence

Qur'an highlights how all creatures are part of a unified system — matching modern ecological interdependence.

## • Urine in Hadith & Diagnostic Medicine

Urine was discussed in hadith (e.g., camel urine therapy) — now a diagnostic fluid for diseases like diabetes or infections.

#### • Unseen World in Qur'an & Dark Matter

Belief in the unseen ("Ghayb") parallels concepts like dark matter and invisible energy forces in physics.

## • Understanding in Qur'an & Brain Cognition

The Qur'an often urges reflection and deep understanding — aligned with modern studies of cognitive reasoning.

#### • Ulcers & Prophetic Food Guidelines

Foods like honey and black seed mentioned in hadith show promise in reducing ulcers and gut inflammation.

## • <u>Urges & Islamic Self-Control Psychology</u>

Islam emphasizes restraining unlawful urges — reflected in impulse control theories in neuroscience.

## • UV Light & Sun Exposure in Islamic Practices

Modest clothing and shade-seeking habits reduce UV risks — supported by dermatological science.

### • Umrah & Psychological Renewal

Spiritual journeys like Umrah provide emotional healing — comparable to mindfulness therapy effects.

#### • <u>Uric Acid & Sunnah Dietary Practices</u>

Moderation in meat intake and prophetic foods can prevent hyperuricemia — relevant in modern nutrition.

### • Universal Orbits in Qur'an & Astrophysics

"Each in an orbit is swimming" (21:33) matches our knowledge of planetary and stellar motion.



## • Urban Planning in Islam & Sustainable Cities

Islamic city planning (like Madinah) emphasized water access, greenery, and shade — echoing modern sustainability design.

## • Uterus in Qur'an & Maternal Physiology

The word \*Rahm\* (womb) shares the root with \*Rahmah\* (mercy) — emphasizing the sacredness of maternal care and biology.

#### • Universal Balance (Mizān) & Ecosystem Stability

The Qur'an speaks of balance in all things — mirrored in Earth's ecological and biochemical equilibrium.

## • Urges & Neural Impulse Regulation in Islam

Qur'anic warnings on desires align with impulse inhibition networks in the brain (e.g., anterior cingulate cortex).

### • Urinary System & Qur'an on Waste Elimination

Qur'an (16:66) describes bodily filtration systems — compatible with nephron-based kidney physiology.

## • Unity of Mankind & Genetic Origin

Qur'an (49:13) states all humans are from one pair — confirmed by genetic studies on common human ancestry.

#### • Under-Skin Sensitivity & Pain Perception in Qur'an

The Qur'an (4:56) references skin pain and renewal — verified by nociceptors found in human skin.

## • Urges of the Nafs & Self-Discipline in Islam

Islam's concept of controlling the nafs corresponds with behavioral psychology models of self-regulation.

## V - Scientific Topics in Qur'an & Hadith

#### • Viruses in Islamic Medicine & Virology

Islamic teachings on contagion (e.g. Hadith on plague) align with modern virology and infectious disease science.

## Vaccination in Islam & Immunology

Islamic principles of disease prevention support vaccination — a tool that mimics natural immunity.

#### Vegetation in Qur'an & Plant Biology

The Qur'an mentions various plants and their benefits — supported by botany and medicinal plant research.

## • Virtue Ethics in Islam & Mental Health

Practicing virtues like honesty, gratitude, and humility correlates with higher



psychological well-being.

## • Vitamin Deficiency & Prophetic Nutrition

Dates, honey, and black seed — prophetic foods — are rich in micronutrients that prevent vitamin deficiencies.

#### • Vision in Qur'an & Optical Science

Qur'anic references to sight and blindness align with neuroscience of the eye and vision processing.

## • Vital Organs in Islam & Anatomy

The heart, brain, and liver are emphasized in Islamic texts — matching their central roles in modern physiology.

### • Vomiting in Hadith & Digestive Health

Hadiths refer to vomiting as a natural response — now known as a protective reflex in gastrointestinal science.

## • Vapors in Qur'an & Condensation Science

Qur'an references to clouds and rain align with atmospheric science and water vapor condensation.

#### • Voice in Islam & Sound Science

Qur'anic recitation affects brain waves and memory — supported by acoustic psychology and auditory neurology.

## • Vengeance vs Mercy in Islam & Psychology

Islamic emphasis on forgiveness over revenge is linked with emotional control and reduced mental stress.

## • Vaginal Health in Hadith & Gynecology

Female hygiene in Hadith reflects principles now validated by gynecological best practices.

#### Varicose Veins & Prolonged Standing in Prayer

Islamic guidance on posture and movement in prayer may reduce venous stasis and prevent varicose veins.

#### • Values in Islam & Moral Neuroscience

The Qur'an emphasizes values like justice and compassion — rooted in brain areas that govern moral reasoning.

#### • Ventilation in Prophetic Homes & Green Architecture

Open-air, cross-ventilated homes from Sunnah mirror modern eco-architecture for healthy airflow and cooling.

#### Visceral Fat & Islamic Fasting

Fasting, especially during Ramadan, reduces visceral fat — key for preventing metabolic diseases.

#### Villages in Qur'an & Rural Sociology



The Qur'an often describes towns and villages — valuable for understanding community structure in sociology.

#### • Viral Outbreaks in Hadith & Public Health Protocols

Hadiths on plagues encourage quarantine — a method mirrored in modern viral containment strategies.

## • Vegetarianism & Balanced Diet in Sunnah

Sunnah emphasizes moderation in meat consumption — resembling modern balanced or plant-forward diets.

## • Vessels & Clotting in Qur'an & Hematology

Qur'anic reference to blood ("coagulated clot" in 96:2) resonates with modern understanding of hemostasis.

## W - Scientific Topics in Qur'an & Hadith

## • Water in Qur'an & Hydrological Science

Water is called the source of all life (21:30); modern science confirms its central role in cellular and planetary life.

## • Weight in Qur'an & Gravitational Laws

References to balance and weight (Mīzān) reflect core physics principles like mass, force, and gravity.

#### • Wealth Distribution in Islam & Economics

Zakat and sadaqah balance wealth — concepts praised in modern models of inclusive economic sustainability.

## • Waswas (Whispers) & Distraction Neuroscience

Shayṭān's whispers are psychological distractions — similar to internal cognitive noise and intrusive thoughts.

#### • Wind in Qur'an & Atmospheric Science

Wind is described as both a mercy and punishment — a dual role confirmed in weather and climate systems.

## Wounds in Hadith & Tissue Healing

Hadiths on healing wounds connect with stages of tissue regeneration, clotting, and cellular repair.

#### • Walking in Islam & Cardiovascular Health

Walking to masjid or for worship is encouraged — promoting heart health and longevity per modern research.

#### • Womb in Qur'an & Reproductive Biology

The womb (Rahm) is sacred — its roles in pregnancy, immunity, and maternal-fetal bonding are now well-documented.



#### • Writing in Islam & Brain Connectivity

Qur'an begins with the pen (96:1) — writing strengthens memory, neuroplasticity, and cognitive organization.

## • Weightlessness & Qur'anic Descriptions of Space

Floating celestial bodies described in the Qur'an echo the concept of zero gravity in outer space physics.

#### • War in Islam & Trauma Psychology

Islamic ethics of war protect mental health — war trauma today is deeply studied in PTSD and neurobiology.

## • White Blood Cells & Qur'anic Immunity Themes

Qur'an emphasizes inner protection — now understood as the immune system's white blood cells defending the body.

## Weight of Deeds & Moral Psychology

The Qur'an (101:6-9) mentions weighted deeds — mirroring ethical decision-making models in psychology.

## • Washing Before Meals & Digestive Health

The Sunnah of washing hands before eating is microbiologically sound for preventing infections.

#### • Wrath in Nature & Qur'anic Warnings

Stories of destroyed nations (like 'Ād) match geological events such as earthquakes or violent storms.

## • Weakness in Old Age & Aging Science

Qur'an describes the decline of strength in aging (16.70) — a reality now studied in geriatric medicine.

### • Water Cycle in Qur'an & Climate Science

The Qur'an outlines evaporation, clouds, and rain — principles taught in hydrological and climate sciences.

#### • Wudu (Ablution) & Preventive Hygiene

Ritual ablution reduces facial bacteria and refreshes circulation — supported by public health studies.

#### • Weight of the Sky & Atmospheric Pressure

The "sky held without pillars" (13:2) can be metaphorically tied to the invisible but powerful air pressure system.

### • Waiting Period ('Iddah) & Female Reproductive Biology

Iddah aligns with ovulation cycles and ensures clarity of lineage — scientifically linked to reproductive health.



## X - Scientific Topics in Qur'an & Hadith

## • Xenotransplantation & Bioethics in Islam

The transfer of animal organs into humans raises ethical concerns; Islamic bioethics emphasizes purity, necessity, and human dignity.

### • X-Chromosome Inheritance & Gender Science

Modern genetics explains X-linked inheritance, while Islamic teachings highlight lineage, maternity, and biological differences respectfully.

## • X-Rays & Prophetic Insights on Internal Observation

Though not explicitly mentioned, the idea of unseen knowledge and internal health relates metaphorically to radiographic imaging like X-rays.

## • Xenobiology & Life Beyond Earth in the Qur'an

The Qur'an (42:29) mentions creatures in the heavens and Earth — interpreted by some as openness to extraterrestrial life (xenobiology).

### • Xerophytes & Desert Plant Adaptation in Qur'an

Qur'an references desert vegetation (e.g., thorns, date palms) — now studied as xerophytes with drought-resistant features.

## Y - Scientific Topics in Qur'an & Hadith

## • Yawm al-Qiyamah & Cosmic Collapse Theories

Qur'anic descriptions of the Day of Judgment include cosmic upheaval — aligning with Big Crunch or Heat Death models in cosmology.

## • Yogurt in Prophetic Diet & Gut Microbiome

Fermented dairy like yogurt, part of the Prophetic diet, supports healthy gut flora and digestion in microbiological research.

## • Yawning in Hadith & Neurology

Hadiths address yawning as from Shayṭān — modern science links yawning to brain cooling and alertness regulation.

#### • Youth in Islam & Adolescent Neuroscience

Islam honors youth in Hadith — neuroscience now highlights critical development of judgment, identity, and impulse control.

## • Story of Prophet Yusuf (as) & Emotional Intelligence

Prophet Yusuf's resilience and restraint reflect core concepts of emotional intelligence and trauma coping mechanisms.

#### • Years in Qur'an & Lunar Calendar Science

The Qur'an uses lunar years for timing — scientifically consistent with accurate astronomical tracking of months.



#### Yellow Cow in Qur'an & Selective Breeding

Surah Al-Baqarah mentions a yellow cow — scholars associate it with cattle traits, now studied in agricultural genetics.

## • Yemen in Qur'an & Geological Significance

Yemen's biblical mentions and mountainous terrain connect with geological studies of ancient seismic regions.

#### • Yawning Contagion & Mirror Neuron Theory

Contagious yawning, discussed in social behavior science, relates to empathy — linked with hadiths on restraint.

## • Yawm al-Jumu'ah & Mental Health Benefits

Friday prayer offers communal, spiritual, and psychological uplift — akin to modern concepts of group therapy and mindfulness.

### • Yolk in Qur'an & Embryonic Nutrition

Early embryonic references align with scientific understanding of the yolk sac in nourishing early human development.

## • Youth Activities in Islam & Cognitive Growth

Sunnah encourages archery, horse-riding, swimming — which modern research supports for physical and cognitive development.

## • Yawm ad-Din (Day of Recompense) & Moral Behavior

Belief in the Day of Judgment promotes ethical restraint — reflected in psychological studies on future-oriented behavior.

#### • Agricultural Yield in Qur'an & Crop Science

The Qur'an mentions rain and yield repeatedly — matching agronomy concepts like soil quality and precipitation balance.

## • Youth Leadership in Islam & Developmental Psychology

Islam empowered young leaders (e.g., Usama ibn Zayd), aligning with leadership development theories in modern youth psychology.

#### • Yawm at-Tarwiyah & Hydration Science

Pilgrims drink water abundantly on this Hajj day — now seen as preventive care against dehydration and heat stroke.

#### Yucca Plants & Our'anic Desert Survival Themes

Though not named, Qur'anic references to desert life connect with drought-resistant plants like yucca in botany.

## • Yogic Breathing vs Islamic Dhikr & Respiratory Science

Islamic dhikr (with breath control) offers mental calm and oxygenation — similar to breathing regulation in wellness sciences.

### • Yield Prediction in Qur'an & Modern Farming Ethics

The Qur'an warns not to withhold crop yield unjustly — paralleling today's ethical



farming and food justice models.

#### • Yolk Color & Nutritional Science in Islamic Food Ethics

Yellow or orange yolk is linked to healthier diets in poultry — echoing the emphasis on quality halal food in Islam.

## Z - Scientific Topics in Qur'an & Hadith

#### • Zakat & Economic Equality

The Islamic institution of zakat promotes wealth redistribution — supported by modern economic models on reducing poverty.

## • Zamzam Water & Mineral Composition

Zamzam water has unique mineral content and purity — confirmed by geological and chemical analyses.

#### • Zina & Public Health Consequences

Prohibitions against illicit sexual behavior correlate with reduced rates of STDs and psychosocial trauma.

#### • Zina & Genetic Lineage Preservation

Clear lineage is protected in Islam — a foundation for modern DNA paternity tests and family genetics.

## • Zoology in the Qur'an & Animal Behavior

The Qur'an mentions bees, ants, spiders — offering insight into insect communication and animal societies.

## • Zina & Neuropsychology of Guilt and Trauma

Studies show extramarital acts cause cognitive dissonance, guilt, and emotional instability — predicted in Islamic teachings.

## • Zuhd (Minimalism) & Psychological Well-Being

The Islamic concept of detachment from materialism reduces stress, aligning with minimalist lifestyle research.

#### • Zebra Patterns & Biomimetic Science

Zebra stripe patterns inspired studies in thermoregulation and camouflage — reflections of divine design in nature.

#### • Zeolite Minerals & Earth Filtration in Islamic Context

Natural zeolites clean water and toxins — linked to Qur'anic notions of purification and environmental stewardship.

## • Zurriyat (Offspring) in Qur'an & Genetic Heritage

The Qur'an's emphasis on righteous offspring aligns with heredity, genetic inheritance, and familial transmission.

#### • Zamzam Water & Cellular Hydration Science



Studies suggest Zamzam's mineral structure enhances hydration and cellular absorption compared to regular water.

## • Zina Laws & Sociological Stability

Legal frameworks surrounding zina promote social cohesion, family structure, and lower psychological distress.

## • Zoological Lessons & Ecosystem Awareness

Animal parables in the Qur'an (like the fly and mosquito) offer ecological insight and humility before creation.

## • Zulm (Oppression) & Psychological Impact

Zulm (injustice) is condemned in Islam — social science links oppression to trauma, depression, and health disparities.

## • Zircon Minerals & Earth's Early History

Zircon crystals are some of the oldest materials on Earth — possibly reflecting Qur'anic descriptions of Earth's creation.

### • Zuhd & Brain Health Through Gratitude

Abstaining from worldly excess strengthens contentment centers in the brain, enhancing mental stability and gratitude.

## • Zina vs Marriage & Family Health Outcomes

Family units formed under Islamic marriage have stronger outcomes for child development and relational stability.

## • Zina & Epigenetic Impact on Generations

Illicit acts and trauma may affect gene expression in offspring — echoing Islamic teachings on generational responsibility.

#### • Zakah & Neuroeconomics of Generosity

Acts of giving activate reward centers in the brain — supporting Islamic emphasis on charity's spiritual and cognitive benefit.

#### • Zina & Moral Desensitization in Psychology

Repeated zina leads to decreased guilt sensitivity — confirmed by studies on desensitization and addictive behavior.