

## ABSTRACT

**BACKGROUND:** The existence of the psychokinetic potential of the human consciousness through the interactions between the man and the physical systems has explored the ability of the mind to collapse the randomness of a physical system. Performance of sacrificial rituals is harmonious to all living beings of the Cosmos. The life process governed by proper combination of *Agni* and *Soma* is very well demonstrated in our Vedic Rituals such as *Yāga/Homa*. Chanting of mantras, ingredients, and rituals involved in *Yāga* have already proved the positive impact of performing *Yāga* on human beings, animal and plant life through many studies. The use of *Soma* establishes a link between the consciousness and the processes of creation. It's ceremonies with specific herbal mixtures act medicinally on the body and psycho actively on the mind directly effecting the ontological status of a person.

*Yajñas* and Cultural programs are a participatory act thru which human beings create and maintain their existence in the world. Harmonious company with similar focused attention are motivation towards togetherness and mutual support creating Collective Consciousness Fields.

## LITERARY AND SCIENTIFIC REVIEW

*Soma* has been studied extensively for its ethno botanical and ethnopharmacological contributions. An attempt has been made in literary review to collect authentic information from classical texts about *Soma*, various forms of *Soma*, its role in rain formations, its use in the *Yajña*

performances and its relation to Yoga. Based on these information about *Soma* an Energy model for existence of *Agni* and *Soma* in the Pancha *Kośa* and its role in *Yajña* supporting its effects at the level of consciousness is brought out. Review of literature also brings out the relation of Inner *Soma* and its relation with the eight limbs of Yoga.

Review of Scientific literature enumerates the contributions of scientific studies on *Soma*, and *Yajña* and also presents studies on Dance, Cultural Fests, *Yajñas* and *Yogic* Techniques evoking Collective Consciousness fields as measured by REG. As there were no studies available to study the effect on Consciousness fields due to cultural events performed during *Dasarā* Festival and *Agniṣṭoma SomaYajña* performances, the current study attempts to measure the collapse in random behavior of the REG data in *Dasarā* events and *Agniṣṭoma SomaYajña*.

**AIM:** To study if there was a collapse in random behavior of the REG data corresponding to epochs of attentiveness in field settings due to the performances in the Mysore *Dasarā* events and *Agniṣṭoma SomaYajña*.

**OBJECTIVES:** To Study the REG trend and significant anomalous deviation as measured on the output of Psyleron Field REG-1 in the following 2 studies.

**Study 1: *Dasarā* events**

- a) The Yoga Programs and its different activities comprising of Suryanamaskara practice, Yoga demonstrations and Yoga experts addressing the gathering in the Palace ground Mysore.

- b) The Dance Program and different activities of the Cultural Dance Program with leading artist performances in the Palace ground, Mysore.
- c) The Torch light parade program and its different activities like Bike shows, Torch Light parade, and Laser shows in Bannimantap Grounds of Mysore.

## **Study 2: Agniṣṭoma *SomaYajña***

Daily performance of the *SomaYajña* and during each ritual for 6 days in Panauti, Nepal

### **STUDY DESIGN**

Data from REG was collected following human events and activities in proximity to the test environment. The pre baseline measurements were 1hr before the event commencement and 1hr as post baseline measurements after the completion of the event for both the studies.

**METHODS AND MATERIAL:** Random data was generated using a Psyleron Field Random Event Generator-1. This device outputs non-quantum 1s and 0s that are representations of quantum events extrapolated by quantum tunneling of electrons within two field effect transistors into binary outcomes and generates 200 random binary numbers (0 & 1) each second (200bits/event).

**RESULTS:** Significant ( $P < 0.05$ ) anomalous deviations were observed during each of the following events at Mysore during the celebration of the festival (*Dasarā*).

In the study 1 of *Dasarā* events,

In the Yoga Program it was observed during the periods of guests arrival, Marathon (P=0.02), Acrobat performances (P=0.03), Inauguration (P=0.05).

In the Dance Program it was observed during the periods of Missing Boy announcement, felicitation for lead dancer 2 , group dance (P=0.01), musical band 2, lead dancer solo & team performances, magical tricks and war scenes of the Dance (P=0.02), lead dancer 1 performances (P=0.03 and P=0.02) and crowd chatting (P=0.03). REG trend was observed during musical band 4(P=0.07).

In the Torch Light Parade program it was observed during the periods of torch light parade show (P=0.02) and during chief minister and governor arrival REG trend was observed (P=0.08). REG trend was observed for the whole event (P=0.06).

In Study 2 Significant anomalous deviations were observed in REG on several occasions on all days of *SomaYajña* performance. Particularly significant changes with  $P < 0.05$  occurred during *Yajña samkalpā*, *Prāyaṇīyā iṣṭi*, *Āthiyeśthī* ,*Pravargya*, *Vedic chanting*, *Subrahmaṇya* ,*Soma ahuti*& *Somasā* taken by the priest, High fire in *Mahāvedi* during *Prātaḥ Savanam*, *Madhyānā Savanam* and *Tṛtīyā savanam* and in *Avabhṛtha Snāna*. REG trend was observed during the periods of *Madhyānā Savanam* (P=0.06), *Soma Pressing* (P=0.05) and High fire of *Mahāvedi* (p=0.09).

**DISCUSSIONS:** Religious rituals, Cultural dance programs, Demonstration shows (acrobatics, yoga, torch light dances) affect and influence the way of people's life, which can spread harmony and peace. This study suggests that gathering/congregation of people with synchronized focused attention has the capacity to influence the REG and possibility that Religious rituals and Social events like Yoga, Dance program, being an act of performztivity can enhance the power of synchronizing directed attention in humans to influence the REG.

### **In the Study 1**

The Field REG has shown significant deviations during

- a) Guests arrival, Youngsters in a Marathon, Inaugural event of the Yoga program,
- b) Musical Bands 2, lead Dancer (1& 2) performances, Group Dance performance, during crowd chatting, announcements made on a missing boy, war scenes, and magical tricks performed during the dance performances, during Felicitation to the dancer of the Dance program. REG trend was observed during the performances of Musical band 4.
- c) The Field REG has shown significant deviations during Torch light Parade show of the Torch light program and REG trend was observed during the Guest arrival and forthe entire session of the Torch light program.

In the Study of *Dasarā* Events, The least attractive ones were the performance & demonstrations of Suryanamaskara practice of the yoga program, and the most effective program was the dance program and the Torch Light Parade from the perspective of significant deviations of REG data. The study indicates that the overall performance of stage events, dance performances and group performances with torch lights corresponded to exciting emotions. Thess emotions demonstrated

in the Dance form gives life different hues, shades and colours and presents the viewer a slice of human life and hence becomes appealing to the audience.

## **In the Study 2**

The Field REG has shown significant deviations during all 6 days of the *SomaYajña* Performance during its different ritual performance.

- a) On Day 1 the Field REG has shown significant deviations during the periods of recorded Devotional songs played- the Predata session, the preparations of *Yajña*, *Yajña samkalpā*, Lunch break, during the periods of Vedic chanting, *Agni*/fire in *kundas*,
- b) On Day 2 during the preparations of *Yajña*-Predata session, *Prāyaṇīyā iṣṭi*, break periods, *Āthiyeśthī*, *Vedic* chanting and during *Prathāmah Pravargya*.
- c) On Day 3 during the periods of *Vedic* chanting, *Ahavaniyam*, break periods, *Subrahmaṇya vidhi*, *Vedi Pūjā*, during 4<sup>th</sup>*Pravargya Subrahmaṇya* and *Madhuparkam*.
- d) On Day 4 Field REG has shown significant deviations during *Vedic* chanting, *cayana vidhi*, *Agni Pranayaniyam*, *Agnishomiya Yajña*, and *Audhambhari pūjā*, *Subrahmaṇya*.
- e) On Day 5 Field REG has shown significant deviations during the periods of *Vedic* chanting, *Soma* pressing, high fires observed in *Mahāvedi* in *Prāthah Savanam* and in *Trītyā Savanam*, during *Soma ahuti* and *Somasā* consumed by priests during

*Prāthah Savanam, Madhyānā Savanam* and *Tr̥tīyā Savanam*. Also during the periods of break, localities doing *pradakṣiṇā*,

f) On day 6 during the periods of *Avabhṛtha Snāna*.

This shows the Vedic chanting of all days and some break periods of the *Yajña* performance were found to be significant along with many important rituals performed on day wise performance. Among the six days of performance, day 5 can be marked as the most effective aspect of *Somayajña* as it is on this day, *Soma*-the chief offering is pressed, and its juice extracted through various vessels-is offered in the *Vedi* at three intervals (*Prāthah* , *Madhyānā and Tr̥tīyā Savanam*) has shown significant REG deviations. Day 6 (concluding day) was recorded with least significant deviation. *Yajña* is a vision which develops in spiritual life. *Yajña* is an esoteric yoga and are a part and parcel of *ātmasaḍyama* yoga. Rituals performed in group, in sacred sites engages their participants to be in a meditative state, being part of the chantings directly and indirectly, honoring the ancient traditions, attempting to create a spiritual connection with the site and with the gatherings give an impression of mystical ambience. These circumstances favor to foster a group resonance. Hence observations and results of the REG correlate with the inferences made in the *Shastras*. The study indicates that overall performance of the *Yajña* corresponded to soft emotions such as devotion and reverence.

**CONCLUSIONS:** The study concluded that gathering of people with common activity were able to achieve sustained synchronized focused attention during the periods of *Dasarā* events and the *Somayajña* performance. The study concludes that the random behavior of the REG data was influenced significantly corresponding to the epochs of attentiveness in the field settings.

The study concluded that

1. During *Dasarā* Events

1.1 REG is significantly influenced during Yoga Demonstration shows, Inaugurations of the events associated with prayers, welcoming the Guests.

1.2 REG is significantly influenced during Performing and viewing dance and musical events concluding that Dance Performances has an effective influence on REG.

1.3 Torch light parade performances was successful in proving the possibility of REG getting influenced.

2. REG results in the performance of *Agniṣṭoma SomaYajña* have shown that there is a positive influence in the performances of *Yajñas* and Vedic chanting.

**KEYWORDS:** Consciousness Correlated Collapse, Dance, Random Event Generator, Sacrificial rituals, *Somayajña*, Synchronous directed Attention, Torch Light Parade, Yoga.