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Magali Clobert

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**East vs. West:**

**Psychology of religion in East Asian cultures**

Magali Clobert<sup>1</sup>

Université catholique de Louvain

<sup>1</sup>currently at Université de Caen Normandie

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Corresponding author:

Magali Clobert, Department of Psychology, Université catholique de Louvain, 10 Place  
Cardinal Mercier, 1348 Louvain-la-Neuve, Belgium.

E-mail: [magali.clobert@uclouvain.be](mailto:magali.clobert@uclouvain.be)

Declaration of interest: None

### **Abstract**

Despite advancements in psychology of religion, most of what we know is derived from studies in Western Christian cultures. We review recent research investigating the impact of religion on various outcomes in East Asian cultural and religious contexts (vs. Western Christian) including: religiosity components and measurement, health, personality, cognition and emotion, morality and values, and intergroup attitudes and behavior. While religion sometimes has similar effects across contexts (e.g., increased health, prosociality, and traditional values), the associations observed in Western contexts are often weaker or inexistent, especially in the moral domain. In some occasions, opposite effects of religion in East Asian contexts are observed (e.g., decreased prejudice). These observations suggest an interaction between religious and cultural factors.

**Keywords:** East Asia; Buddhism; Taoism; Folk beliefs; psychology of religion

### **Highlights**

- Most of findings in psychology of religion are derived from Western Christian contexts
- Recent research investigating the impact of religion on various outcomes in East Asian contexts is systematically reviewed
- The effect of religion is often weaker or inexistent, especially in the moral domain in East Asia
- Opposite effects of religion in East Asia are observed such as decreased prejudice
- The dimension of individualism-collectivism provides avenues to understand the interplay between religion and culture

## **1. Introduction**

Over the last decades, researchers have shown increasing interest in the impact of religion on individuals' cognition, attitudes, and behavior [1-2]. Despite advancements in psychology of religion, most of what we know is derived from theories and studies elaborated in Western Christian cultures. Only recently have psychologists begun to question the cross-cultural generalizability of their findings. While some scholars have theorized that religion should impact individuals similarly regardless of culture, others have argued that cross-religious differences mirror cross-cultural differences. Although both views received empirical support, the idea of an interaction between cultural and religious influences has gained popularity [3-4]. Religion, as a guardian of morality, self-control, and collective interests may indeed be less meaningful in collectivistic societies where cultural norms already fulfill these roles. We will review recent research investigating the impact of religion on various psychological outcomes in East Asian cultural and religious contexts (vs. Western Christian). East Asian cultures and religions include countries of the Sinosphere, historically influenced by China, and share traditions derived from Confucianism, Buddhism, and Taoism, as well as typically East Asian religions such as Buddhism, Taoism, Shintoism, or Folk beliefs. Six themes will be covered: religiosity components and measurement, health, personality, cognition and emotion, morality and values, and intergroup attitudes and behavior.

## **2. Religiosity components and measurement**

The East Asian religious landscape appears markedly different from that of Western Christianity. Many deities coexist under the same roof and individuals often practice a mixture of Chinese traditional religions: folk beliefs, Buddhism, Taoism (or Shintoism), and ancestor worship [5]. Even in China, where people are not willing to talk about religion and declare themselves to be nonbelievers, numerous individuals believe and engage in religious-like activities [6-7]. Religion in East Asia often appears to be more diffuse, less organized, but still very influential within society [6-8]. In this polytheistic-like context, traditional forced-choice approaches to measure religiosity may not be suitable. For instance, when asked to choose only one religious affiliation, Taiwanese often experience difficulties,

and are willing to select multiple denominations. Following Gries and colleagues [5], positive sum approaches used to assess beliefs in different traditions are better suited in East Asian societies.

Most often, studies in East Asian contexts use Western measurement tools or materials [e.g., 9], single items [e.g., 10-11], or uniquely adapted [e.g., 12] or created tools [e.g., 5, 13] which makes any comparison between cultural contexts difficult. Recently, an attempt was made to cross-culturally validate a multidimensional scale of religiosity [14]. While four main dimensions (i.e., social, cognitive, moral, and emotional) of religiosity are clearly identifiable in Western (i.e., Europe and U.S.) and East Asian contexts (i.e., Taiwan), these dimensions are less interrelated in East Asia [14]. The different aspects of religion seem to be less integrated in Eastern contexts [15]. Furthermore, in Taiwan, similarly to secular Europe, the cognitive and emotional dimensions of religion are preferred, while in religious Catholic countries (e.g., Poland, Italy) and the United States, the moral dimension is equally important [14]. These differences reflect the idea that East Asian religions are used to a lesser degree as a source of personal control [16] and moral order [17].

### **3. Health and well-being**

Recent evidence suggests that the protective role of religiosity in health documented in Western Christian contexts [18] is cross-culturally valid. For instance, religious attendance among non-Christian Asian Americans is associated with fewer cases of depression [19]. Religious piety in older Taiwanese adults is related to a better quality of life, according to both physical and mental health indicators [20]. Furthermore, being Buddhist is positively associated with life satisfaction in 147 nations, including those in East Asian [21]. In China, Buddhist symbols and religiosity are associated with increased life satisfaction and happiness [22]. In Singapore, religiosity (among Christians, Buddhists and Muslims) is associated with positive emotions and well-being [23]. In addition, beliefs and techniques derived from East Asian religions are used in various health-related domains such as counseling, psychotherapy, or clinical psychology [24]. Buddhist-derived interventions such as mindfulness meditation, compassion-focused interventions, or love and kindness have

many benefits including the reduction of negative emotions (e.g., stress, anxiety), substance abuse, depression, or stress-related diseases. Parallel positive effects have been documented for subjective well-being, pain management, and positive emotions [25-29].

#### **4. Personality and individual differences**

Individual religiosity is typically associated with the traits of agreeableness, conscientiousness, and honesty/humility in Western contexts but unrelated to neuroticism, openness to experience (with some negative relations), and extraversion [13-14, 30-31]. Recent studies in East Asian cultures and religious groups show that, while the association between religiosity and agreeableness is cross-culturally valid, the positive relationship with conscientiousness is less pronounced [10, 32]. Furthermore, within East Asian societies of Buddhist, Taoist, and Chinese folk-belief traditions, openness to experience has a slightly positive relationship to individual religiosity [32-33]. Other interesting results show that, although religiosity is associated with paranormal beliefs across cultural contexts, religiosity is positively associated with trust in science among East Asian believers (i.e., South-Korea) while the opposite association holds for Western (i.e., Austria and Denmark) Christians [34]. In addition, while religiosity in Western Christian contexts is positively related to individual differences in closed-minded attitudes such as the need for closure or authoritarianism, Eastern religiosity in both Western and East Asian contexts is not [13-14]. Finally, religiosity is unrelated to individual differences in disgust sensitivity among the Taiwanese while this association is positive (fear of contamination) in Western contexts [35].

#### **5. Cognition and emotion**

Several authors have documented evidence of the divergent effects of religion on cognition across cultures. For instance, East Asian religiosity (vs. Christian) and religious concepts are associated with a higher tolerance of contradictions [35]. Furthermore, while exposure to religious concepts or religious coping increases acts of secondary control for European Americans, it does not do so for Koreans [16]. A recent study in Taiwan found that Buddhist (vs. Christian) religiosity is associated with a superior ability to infer others' mental states and a decreased self-serving bias [36]. East Asians also believe, to a greater extent

than Westerners, that fate is negotiable, as exemplified by the many rituals implying offerings in exchange of favors [37-38]. This has cognitive consequences including increased sense-making of surprising outcomes, persistence in goal-pursuit despite failures, and risky choices [37]. Finally, while religiosity is negatively correlated with education at the individual level in both Western and East Asian countries, at the country level, this relationship is moderated by cognitive abilities: In countries with the lowest (Sub-Saharan Africa) and highest (Sweden, Hong-Kong, and South-Korea) average IQs, the education-religiosity link is positive [40].

Although still scarce, researchers have reported some evidence that affective tendencies and experiences differ between Western and East Asian religious groups. Kim-Prieto and Diener [40] investigated the frequency and desirability of different emotions and found that Christians experienced, and wanted to experience, love more frequently than Buddhists, while Buddhists reported fewer peaks or dips in any type of emotion compared to Christians. Moreover, Western Christians placed more value on high-arousal positive states, i.e. excitement, while East Asian Buddhists showed a preference for low-arousal positive states, i.e. calm [41]. More recently, the analysis of social media messages showed that American Buddhists use more cognitive (vs. social) words as well as fewer positive emotional expressions than American Christians [42].

## **6. Morality and values**

Religion shapes individuals' sense of morality and values [43]. Nevertheless, while religiosity is associated with restrictive sexual morality (e.g., disapproval of casual sex, homosexuality, abortion) and cooperative morality (e.g., disapproval of lying, cheating, harm) across countries, this association is weaker or null in East Asian countries [33,44-45]. Furthermore, although religiosity is positively associated with fertility around the globe [43], being Buddhist in East Asia (e.g., Japan) is related to lower fertility [46]. These differences in sociosexuality may be explained by the fact that sexuality in Buddhism is not formally associated with sin [46]. More recent studies have found that, in South-Korea, Buddhist religiosity does not prevent morally deviant behaviors such as delinquency or drinking [47]. The practice of mindfulness also attenuates moral reactions such as repair intentions [48].



Nevertheless, there are some inconsistencies. Buddhists tend, for instance, to have more anti-abortion attitudes than Christians [49]. Other studies conducted with Asians in Western contexts (mostly Christians) suggest that religiosity is associated with restrictive sexuality, low desire, and sexual guilt [50-51]. Moreover, religiosity across cultures is negatively related to short-term mating interests, though only among men in East Asia [33].

Religiosity across cultural and religious groups fosters similar values such as tradition, conformity, and benevolence while devaluing hedonism, power, and achievement [13,52]. Across religions and nations, religiosity is further associated with honesty, loyalty, concern for the environment and sustainable behavior, and intrinsic work values reflecting self-actualization at work [53-58]. The endorsement of Confucianism is positively correlated with a protestant work ethic (valuing and admiring hard work, 59) but the protestant work ethic is not related to prejudice against minorities in East Asian (vs. Western) societies [60]. Finally, at the country level, historically Protestant countries place greater value on private ownership than countries with Confucian traditions, and value competition more than historically Buddhist countries [43]. However, contrary to Western Christianity, Buddhist religiosity is not related to security, low direction and stimulation, but is positively associated with the value of universalism [13].

## **7. intergroup attitudes and behavior**

It has been established that religious concepts and religiosity promote prosocial attitudes and behaviors such as helping or generosity [1]. Recently, several authors have confirmed this association in East Asian and Buddhist contexts. Religiosity and spirituality among East Asians (e.g., Chinese) of various affiliations are indeed associated with prosocial traits, attitudes, and behaviors such as compassionate love, helping, or generosity [61-62]. Exposure to Buddhist concepts increases the mental accessibility of prosocial concepts [63] as well as prosocial attitudes and behaviors in various populations including Westerners of Christian tradition [64] and East Asians of Buddhist/Taoist tradition [35,63]. Nevertheless, other authors have failed to find an effect of religious priming on prosociality among

Japanese [9] and Mongolians [65] possibly because of the priming method (i.e., religious words not adapted) or cultural interferences (i.e., nomadic generosity norms in Mongolia).

Religion in Western contexts has also been associated with prejudice [1]. Recent studies, however, show that East Asian religiosity is associated with lower prejudice (e.g., IAT) against various religious and ethnic groups [35,66]. These effects are partially explained by a greater tolerance of contradictions [35]. East Asian religious tolerance does not fully extend to moral outgroups such as homosexuals and atheists [66-67]. Several studies also suggest that priming Buddhist concepts decreases prejudice in various samples including Westerners of Christian tradition [68], Western Buddhists [64], and East Asians [68]. These effects are partially explained by a greater compassion and tolerance of contradictions. The use of Buddhist elements in advertisements against HIV/AIDS-related discrimination increases compassion, anti-prejudicial attitudes and interaction intentions among East Asian Buddhists [69]. Additionally, Buddhist inspired meditation techniques reduce age and racial bias [70] as well as discrimination [71]. However, these positive effects are not unequivocal. In 18 nations, coalitional rigidity was associated with intergroup hostility in every religious group, including Buddhists [72]. Furthermore, priming Buddhist concepts increased anti-gay prejudice in two studies among Western Christians [73] as well as for Christian and Buddhist Singaporeans [74]. Finally, when East Asians represent a minority group in a Western context, religiosity is associated with prejudice against other minorities [52].

## **8. Conclusion**

While religion sometimes has similar effects across contexts, such as promoting health, prosocial traits and attitudes, and traditional values, the classic associations observed in Western cultural contexts are often weaker or inexistent, especially in the moral domain (e.g., restrictive sexuality, delinquency). In some instances, opposite effects of religion in East Asian contexts have even been observed, such as for intergroup prejudice, cognitive tendencies (e.g., inclusion of contradictions, theory of mind) or the valuation of specific affective states. Given that religion fulfill some basic needs (e.g., self-transcendence or buffer toward death-anxiety), it is not surprising that similar effects of religion can be observed

around the globe [3-4]. In the same vein, religion and culture having co-evolved, it is natural that similar cross-religious and cross-cultural differences occur (i.e., emotions). Nevertheless, interactions between religious and cultural factors suggest more complexity. It seems that religion in individualistic or collectivistic contexts has different roles or effects [4]. In collectivistic societies, where individuals are encouraged to adapt to others' needs, to cultivate strong in-group ties, and to follow binding moral obligations, there is no need for religion to be a warrant of morality or control. Although the individualism-collectivism dimension is not unequivocal, they may provide some interesting future avenues to understand the interplay between religion and culture [4].

### References

- [1] Saroglou, V. (Ed.). (2014). *Religion, personality, and social behavior*. New York, NY: Psychology Press.
- [2] Pargament, KI, Exline, JJ, & Jones, JW. (2013). *APA Handbook of psychology, religion and spirituality*. Washington, DC: American Psychological Association.
- [3] Saroglou, V, & Cohen, AB. (2013). Cultural and cross-cultural psychology of religion. In RF Paloutzian & CL Park (Eds.), *Handbook of the psychology of religion and spirituality* (2nd ed.). New York, NY: Guilford Press.
- [4] Cohen, A. B., Wu, M. S., & Miller, J. (2016). Religion and culture: Individualism and collectivism in the East and West. *Journal of Cross-Cultural Psychology, 47*, 1236-1249.
- [5] Gries, P., Su, J., & Schak, D. (2012). Toward the scientific study of polytheism: Beyond forced-choice measures of religious belief. *Journal for the Scientific Study of Religion, 51*(4), 623-637.
- [6] Yang, C. K. (1991). *Religion in Chinese society: A study of contemporary social functions of religion and some of their historical factors*. Berkeley, CA : Univ of California Press.
- [7] Xia, C.Q., & Wang, C.T. (2011) An empirical study on the paranormal beliefs in contemporary China: exploring how to define Chinese religions. *Sociological Studies, 5*, 178-197.
- [8] Jin, Y.J., & Fan, L.Z. (2007) Sociological paradigms for studying religion in China : Religion in Chinese society to Ching Kun Yang. *Society, 27*, 1–13.
- [9] Miyatake, S., & Higuchi, M. (2017). Does religious priming increase the prosocial behaviour of a Japanese sample in an anonymous economic game?. *Asian Journal of Social Psychology, 20*, 54-59.\*
- The authors show that the exposure to religious words among Japanese did not increase monetary generosity. This study questions the universal impact of religion on prosociality but has important limitations such as the priming material (Christian words).
- [10] Gebauer, J. E., Paulhus, D. L., & Neberich, W. (2013). Big Two personality and

- religiosity across cultures: Communals as religious conformists and agentic as religious contrarians. *Social Psychological and Personality Science*, 4, 21-30.
- [11] Gebauer, J. E., Sedikides, C., Wagner, J., Bleidorn, W., Rentfrow, P. J., Potter, J., & Gosling, S. D. (2015). Cultural norm fulfillment, interpersonal belonging, or getting ahead? A large-scale cross-cultural test of three perspectives on the function of self-esteem. *Journal of Personality and Social Psychology*, 109, 525-48.
- [12] Thanissaro, P. N. (2011). Measuring attitude towards Buddhism and Sikhism: Internal consistency reliability for two new instruments. *Mental Health, Religion & Culture*, 14, 797-803.
- [13] Saroglou, V., & Dupuis, J. (2006). Being Buddhist in Western Europe: Cognitive needs, prosocial character, and values. *The International Journal for the Psychology of Religion*, 16, 163-179.
- [14] Saroglou, V., et al. (2020). Believing, Bonding, Behaving, and Belonging: The Cognitive, Emotional, Moral, and Social Dimensions of Religiousness across Cultures. *Journal of Cross-Cultural Psychology*. Manuscript under revision.
- [15] Saroglou, V. (2011). Believing, bonding, behaving, and belonging: The big four religious dimensions and cultural variation. *Journal of Cross-Cultural Psychology*, 42, 1320-1340.
- [16] Sasaki, J. Y., & Kim, H. S. (2011). At the intersection of culture and religion: A cultural analysis of religion's implications for secondary control and social affiliation. *Journal of Personality and Social Psychology*, 101, 401-414.
- [17] Stark, R. (2001). Gods, rituals, and the moral order. *Journal for the Scientific Study of Religion*, 40, 619-636.
- [18] Koenig, H., Koenig, H. G., King, D., & Carson, V. B. (2012). *Handbook of religion and health (2<sup>nd</sup> Edition)*. New York, NY : Oxford University Press.
- [19] Ai, A. L., Huang, B., Bjorck, J., & Appel, H. B. (2013). Religious attendance and major depression among Asian Americans from a national database: The mediation of social support. *Psychology of Religion and Spirituality*, 5, 78-89.

[20] Chou, T. (2015). Dissociation, Paranormal Belief, and Quality of Life in Older People: The Role of Religious Piety. *SAGE Open*, 5, 2158244015621347.

[21] Joshanloo, M. (2019). Cultural religiosity as the moderator of the relationship between affective experience and life satisfaction: A study in 147 countries. *Emotion*, 19, 629-636.

[22] Qin, Z., & Song, Y. (2020). The Sacred Power of Beauty: Examining the Perceptual Effect of Buddhist Symbols on Happiness and Life Satisfaction in China. *International Journal of Environmental Research and Public Health*, 17, 2551.\*\*

The authors show that the exposure to Buddhist symbols increase religiosity and, in turn, life satisfaction and happiness. This study is one of the first to show that, as other religions, Buddhism has a positive impact on mental health in China.

[23] Ramsay, J. E., Tong, E. M., Chowdhury, A., & Ho, M. H. R. (2019). Teleological explanation and positive emotion serially mediate the effect of religion on well-being. *Journal of Personality*, 87, 676-689.

[24] Cheng, F. K., & Tse, S. (2014). The use of Chinese Buddhist theories in counselling, psychotherapy, psychology, and mental health research: An integrative review. *International Journal for the Advancement of Counselling*, 36, 229-242.

[25] Creswell, J. D., Lindsay, E. K., Villalba, D. K., & Chin, B. (2019). Mindfulness training and physical health: mechanisms and outcomes. *Psychosomatic medicine*, 81, 224-232.\*

This review provides systematic evidence suggesting that mindfulness interventions improve pain management and stress-related diseases outcomes. The authors conclude by providing interesting new research avenues to improve physical-health outcomes using mindfulness techniques.

[26] Keng, S. L., Smoski, M. J., & Robins, C. J. (2011). Effects of mindfulness on psychological health: A review of empirical studies. *Clinical Psychology Review*, 31, 1041-1056.

[27] Shonin, E., Van Gordon, W., & Griffiths, M. D. (2014). Mindfulness as a treatment for

behavioural addiction. *Journal of Addiction Research & Therapy*, 5 :1.

[28] Spijkerman, M. P. J., Pots, W. T. M., & Bohlmeijer, E. T. (2016). Effectiveness of online mindfulness-based interventions in improving mental health: A review and meta-analysis of randomised controlled trials. *Clinical Psychology Review*, 45, 102-114.

[29] Casioppo, D. (2020). The cultivation of joy: practices from the Buddhist tradition, positive psychology, and yogic philosophy. *The Journal of Positive Psychology*, 15, 67-73.\*

The author emphasizes the importance of joy cultivation in Buddhism. As experiencing joy has many benefits for mental and physical health, this research can inspire Buddhist-derived interventions aimed at increasing joy.

[30] Saroglou, V. (2010). Religiosity as a cultural adaptation of basic traits: A five-factor model perspective. *Personality and Social Psychology Review*, 14, 108-125.

[31] Silvia, P. J., Nusbaum, E. C., & Beaty, R. E. (2014). Blessed are the meek? Honesty–Humility, Agreeableness, and the HEXACO structure of religious beliefs, motives, and values. *Personality and Individual Differences*, 66, 19-23.

[32] Saroglou, V. (2017). Culture, personality, and religiosity. In A. T. Church & A. T. Church (Eds.), *The Praeger handbook of personality across cultures: Vol. 2. Culture and characteristic adaptations* (pp. 153–184). Santa Barbara, CA: Praeger/ABC-CLIO.

[33] Schmitt, D. P., & Fuller, R. C. (2015). On the varieties of sexual experience: Cross-cultural links between religiosity and human mating strategies. *Psychology of Religion and Spirituality*, 7, 314-326.

[34] Clobert, M., & Saroglou, V. (2015). Religion, paranormal beliefs, and distrust in science: Comparing East versus West. *Archive for the Psychology of Religion*, 37, 185-199.

[35] Clobert, M., Saroglou, V., & Hwang, K. K. (2017). East Asian religious tolerance versus Western monotheist prejudice: The role of (in) tolerance of contradiction. *Group processes & intergroup relations*, 20, 216-232.\*\*

The authors show that religiosity among non-Christian East Asians (vs. Westerners) relates to lower prejudice against various ethnic and religious groups. This positive effect of East Asian religiosity on prejudice is mediated by higher tolerance toward contradictions. This

research is one of the first to investigate the impact of religiosity on prejudice in East Asian contexts and to show inverse associations.

[36] Huang, T. R., & Wang, Y. H. (2019). Perceiving Self, Others, and Events Through a Religious Lens: Mahayana Buddhists vs. Christians. *Frontiers in Psychology, 10* : 217.\*\*

This important research found that religiosity in Taiwan has opposite effects among Buddhists and Christians: Buddhist (vs. Christian) religiosity increase ability to infer mental states of others and decrease self-serving bias. This research show how religions shape mental abilities differently across groups.

[37] Au, E. W., Chiu, C. Y., Zhang, Z. X., Mallorie, L., Chaturvedi, A., Viswanathan, M., & Savani, K. (2012). Negotiable fate: Social ecological foundation and psychological functions. *Journal of Cross-Cultural Psychology, 43*, 931-942.

[38] Leung, K., & Bond, M. H. (2004). Social axioms: A model of social beliefs in multi-cultural perspective. In M. P. Zanna (Ed.), *Advances in experimental social psychology* (Vol. 36, pp. 119-197). San Diego, CA: Academic Press.

[39] Meisenberg, G., Rindermann, H., Patel, H., & Woodley, M. A. (2012). Is it smart to believe in God? The relationship of religiosity with education and intelligence. *Temas em Psicologia, 20*, 101-121.

[40] Kim-Prieto, C., & Diener, E. (2009). Religion as a source of variation in the experience of positive and negative emotions. *The Journal of Positive Psychology, 4*, 447-460.

[41] Tsai, J. L., Miao, F. F., & Seppala, E. (2007). Good feelings in Christianity and Buddhism: Religious differences in ideal affect. *Personality and Social Psychology Bulletin, 33*, 409-421.

[42] Chen, C. Y., & Huang, T. R. (2019). Christians and buddhists are comparably happy on twitter: a large-scale linguistic analysis of religious differences in social, cognitive, and emotional tendencies. *Frontiers in psychology, 10* : 113.\*

Using sociolinguistic analysis of social media messages, the authors found that Christians use more social words, fewer cognitive words, and slightly more positive words than



Buddhists. This research suggest that different religions are associated with different social, cognitive, and affective tendencies.

[43] Saroglou, V. (2019). Religion and related morality across cultures. In D. Matsumoto & H. C. Hwang (Eds.), *The handbook of culture and psychology* (2nd ed., pp. 732-793).

New York, NY: Oxford University Press.

[44] Weeden, J., & Kurzban, R. (2013). What predicts religiosity? A multinational analysis of reproductive and cooperative morals. *Evolution and Human Behavior, 34*, 440-445.

[45] Vauclair, C. M., & Fischer, R. (2011). Do cultural values predict individuals' moral attitudes? A cross-cultural multilevel approach. *European Journal of Social Psychology, 41*, 645-657.

[46] Skirbekk, V., Fukuda, S., Hackett, C., Stonawski, M., Spoorenberg, T., & Muttarak, R. (2015). Is Buddhism the low fertility religion of Asia?. *Demographic Research, 32*, 1-28.

[47] Yun, I., & Lee, J. (2017). The relationship between religiosity and deviance among adolescents in a religiously pluralistic society. *International journal of offender therapy and comparative criminology, 61*, 1739-1759.

[48] Schindler, S., Pfattheicher, S., & Reinhard, M. A. (2019). Potential negative consequences of mindfulness in the moral domain. *European Journal of Social Psychology, 49*, 1055-1069.\*\*

Across five innovative studies, the authors found that mindfulness interventions attenuate moral reactions and more precisely repair intentions after causing harm to a friend. This research is the first one to point possible downside effects of mindfulness in the moral domain.

[49] Malka, A. (2014). Religion and domestic political attitudes around the world. In V. Saroglou (Ed.), *Religion, personality, and social behavior* (pp. 230-254). New York, NY: Psychology Press.

[50] Ahrold, T. K., & Meston, C. M. (2010). Ethnic differences in sexual attitudes of US college students: Gender, acculturation, and religiosity factors. *Archives of Sexual Behavior, 39*, 190-202.

[51] Woo, J. S., Morshedian, N., Brotto, L. A., & Gorzalka, B. B. (2012). Sex guilt mediates the relationship between religiosity and sexual desire in East Asian and Euro-Canadian college-aged women. *Archives of Sexual Behavior, 41*, 1485-1495.

[52] Clobert, M. (2017). Religious minorities and prejudice: Are Buddhist minorities prejudiced toward other minority groups? *Journal of Behavior, 2*, 1008.\*

This study shows that religiosity among Asians (non-Christians) living in Belgium (Western country of Christian tradition) is associated with increased prejudice against other religious and ethnic minorities. This research tempers previous research showing an increased tolerance as a function of East Asian religiosity.

[53] Choi, Y. (2010). Religion, religiosity, and South Korean consumer switching behaviors. *Journal of Consumer Behaviour, 9*, 157-171.

[54] Felix, R., Hinsch, C., Rauschnabel, P. A., & Schlegelmilch, B. B. (2018). Religiousness and environmental concern: A multilevel and multi-country analysis of the role of life satisfaction and indulgence. *Journal of Business Research, 91*, 304-312.\*

This paper shows through multi-level analyses in 34 countries that religiousness is positively associated with environmental concerns across countries and religious affiliations. This research importantly suggest that religious concepts or values can be used around the globe to promote pro-environmental attitudes and behavior.

[55] Minton, E. A., Kahle, L. R., Juan, T. S., & Tambyah, S. K. (2016). Addressing criticisms of global religion research: A consumption-based exploration of status and materialism, sustainability, and volunteering behavior. *Journal for the Scientific Study of Religion, 55*, 365-383.

[56] Mostafa, M. M. (2016). Post-materialism, religiosity, political orientation, locus of control and concern for global warming: A multilevel analysis across 40 nations. *Social Indicators Research, 128*, 1273-1298.

[57] Parboteeah, K. P., Paik, Y., & Cullen, J. B. (2009). Religious groups and work values: A focus on Buddhism, Christianity, Hinduism, and Islam. *International Journal of Cross Cultural Management, 9*, 51-67.

- [58] Tang, G., & Li, D. (2015). Is there a relation between religiosity and customer loyalty in the Chinese context? *International Journal of Consumer Studies*, *39*, 639-647.
- [59] Zhang, S., Liu, W., & Liu, X. (2012). Investigating the relationship between Protestant work ethic and Confucian dynamism: An empirical test in mainland China. *Journal of Business Ethics*, *106*, 243-252.
- [60] Rosenthal, L., Levy, S. R., & Moyer, A. (2011). Protestant work ethic's relation to intergroup and policy attitudes: A meta-analytic review. *European Journal of Social Psychology*, *41*, 874-885.
- [61] Clobert, M., Saroglou, V., Hwang, K. K., & Soong, W. L. (2014). East Asian religious tolerance—A myth or a reality? Empirical investigations of religious prejudice in East Asian societies. *Journal of Cross-Cultural Psychology*, *45*, 1515-1533.
- [62] Dong, M., Wu, S., Zhu, Y., Jin, S., & Zhang, Y. (2017). Secular examination of spirituality-prosociality association: Survey research in nonreligious-based populations in China. *Archive for the Psychology of Religion*, *39*, 61-81.
- [63] Guan, F., Ma, H., Chen, X., Zhu, D., Xiang, Y., & Chen, J. (2018). Influence of Religion on Prosociality: A Priming Study of Buddhist Concepts among Nonbelievers in China. *The International Journal for the Psychology of Religion*, *28*, 281-290.\*\*
- In two studies, authors found that priming Buddhist concepts among Chinese non-believers increased the mental accessibility of prosocial concepts. This study is the first one to show the prosocial effect of Buddhism in China where most people declare themselves as non-believers.
- [64] Clobert, M., & Saroglou, V. (2013). Intercultural non-conscious influences: Prosocial effects of Buddhist priming on Westerners of Christian tradition. *International Journal of Intercultural Relations*, *37*, 459-466.
- [65] Berniūnas, R., Dranseika, V., & Tserendamba, D. (2020). Between Karma and Buddha: Prosocial Behavior among Mongolians in an Anonymous Economic Game. *The International Journal for the Psychology of Religion*, *30*, 142-160.
- [66] Detenber, B. H., Cenite, M., Ku, M. K., Ong, C. P., Tong, H. Y., & Yeow, M. L. (2007).

Singaporeans' attitudes toward lesbians and gay men and their tolerance of media portrayals of homosexuality. *International Journal of Public Opinion Research*, 19, 367-379.

[67] Hoffarth, M. R., Hodson, G., & Molnar, D. S. (2018). When and why is religious attendance associated with antigay bias and gay rights opposition? A justification-suppression model approach. *Journal of Personality and Social Psychology*, 115, 526-563.

[68] Clobert, M., Saroglou, V., & Hwang, K. K. (2015). Buddhist concepts as implicitly reducing prejudice and increasing prosociality. *Personality and Social Psychology Bulletin*, 41(4), 513-525.

[69] Song, Y., & Qin, Z. (2019). Buddhists Care: Examining the Impact of Religious Elements on Reducing Discriminatory Attitudes toward People Living with HIV/AIDS. *Religions*, 10 : 409.\*\*

The authors show that introducing Buddhist elements in advertisement against HIV/AIDS' related discrimination increased religiosity and compassion, and then in turn increased anti-prejudicial attitudes and interaction intentions with HIV patients among Buddhists.

[70] Lueke, A., & Gibson, B. (2015). Mindfulness meditation reduces implicit age and race bias: The role of reduced automaticity of responding. *Social Psychological and Personality Science*, 6, 284-291.

[71] Lueke, A., & Gibson, B. (2016). Brief mindfulness meditation reduces discrimination. *Psychology of Consciousness: Theory, Research, and Practice*, 3, 34-44.

[72] Hansen, I. G., & Ryder, A. (2016). In Search of "Religion Proper" Intrinsic Religiosity and Coalitional Rigidity Make Opposing Predictions of Intergroup Hostility Across Religious Groups. *Journal of Cross-Cultural Psychology*, 47, 835-857.

[73] Vilaythong T, O., Lindner, N. M., & Nosek, B. A. (2010). "Do unto others": Effects of priming the Golden Rule on Buddhists' and Christians' attitudes toward gay people. *Journal for the Scientific Study of Religion*, 49, 494-506.

- [74] Ramsay, J. E., Pang, J. S., Shen, M. J., & Rowatt, W. C. (2014). Rethinking value violation: Priming religion increases prejudice in Singaporean Christians and Buddhists. *International Journal for the Psychology of Religion, 24*, 1-15.