

# Psychopathic Inclination Among Incarcerated Youth of Hazara Division Pakistan

SAGE Open  
July-September 2016: 1–6  
© The Author(s) 2016  
DOI: 10.1177/2158244016671558  
sgo.sagepub.com  


Sher Dil<sup>1</sup> and Farhana Kazmi<sup>1</sup>

## Abstract

Present study aimed at evaluating the psychopathic inclination among youth and finding the gender differences in psychopathy. An indigenously developed Psychopathy scale (*Urdu*) has been used in this study. Alpha reliability of the scale was .90. The study was conducted on 100 males (50 criminals and 50 non-criminals) and 100 females (26 criminals and 74 non-criminals) using a convenient sampling technique from three districts of Hazara division: Haripur, Abbottabad, and Mansehra. Results confirmed that there is significant difference in psychopathic inclination of males and females; criminals differed significantly from the non-criminals. The study also paves way for further investigation in the field in Pakistan.

## Keywords

psychopathy, gender differences, criminals

## Introduction

Psychopathy is related to criminal behavior revealing violent social disruption. Neither all psychopaths are criminal nor all criminals are psychopaths. Individuals with psychopathic traits are found in every walk of life. There is a significant representation of the psychopaths in rapists, beaters, criminals, unlicensed practitioners, child abusers, sexual offenders, mass murderer, serial killers, and cunning leaders (Copley, 2008b).

In the past few decades, Pakistan has witnessed a rise in crime rate. The number of crimes committed by Pakistanis such as robbery, car theft, snatching valuable items, rapes, gang rapes, and mass murders has been increased. It is reported that in 2010, 1,672 women were killed, and 539 were raped and then killed; another 179 were raped and 133 were gang raped. (Assadi, 2011). According to a report, most crimes committed in Pakistan are car theft and mobile snatching. Most of these crimes are committed by young uneducated individuals aged 16 to 24. Most of the young offenders soon become recidivists and hardened criminals (“Youth in Crisis,” 2007). In 2014, 329 gang rape and 3,285 rape cases were reported as most of the cases were reported from Punjab (Anjum, 2015). According to Butt (2015), 3,508 cases of child sexual abuse were reported with an increase of 17% in 2014.

According to Daniel (2010), nearly all psychopaths find themselves in trouble with the law because of their impulsiveness and inflated sense of self-worth, without considering the consequences of the crimes they commit. Crimes

such as murders, fraud, forgery, and theft are most common that are committed by the psychopaths. According to Copley (2008a), psychopathic children have the habit of stealing, having sex, taking drug, and being cruel to animals and other children, and have no fear of punishment.

Psychopaths have been characterized as having superficial charm and adequate intelligence, also exhibiting features of poor adjustment such as deviant behavior. Psychopaths act on impulse; have poor judgment, showing lack of empathy, remorse, shame; and are insincere. They have poorly motivated antisocial behavior showing ego centrality. Psychopaths fail to learn from experience, including punishing experience (Corr, 2010).

Psychopathy is said to have been associated with delinquency, crimes, or aggressive behavior. It is observed that psychopaths have early criminal careers, commit more violent and varied types of crimes, and show high rates of recidivism (Hart & Hare, as cited in Sullivan, 1996).

According to Edens, Campbell, and Weir (2007), psychopaths display less fear of negative stimulus and a heartless misuse of others especially for personal benefits, exhibit severe antisocial behavior that is violent in nature as well, and show a high rate of recidivism (see also Frick & Dickens,

<sup>1</sup>Hazara University, Mansehra, Pakistan

## Corresponding Author:

Sher Dil, Department of Psychology, Hazara University, Mansehra 21110, Pakistan.

Email: sherdilkhajadoon@gmail.com



2006; Frick & White, 2008; Leistico, Salekin, DeCoster, & Rogers, 2008).

It is found in National Comorbidity Survey that 5.8% of men and 1.2% of women population have lifetime risk of developing psychopathy. The prevalence rate of serious criminals stands at 75%. Males score higher as compared with females and present a larger proportion (Port, 2007).

In the sample used by Harris, Rice, Hilton, Lalumière, and Quinsey (2007), 48% of participants were below 16 years, and their age significantly related to the psychopathy scores. Coid et al. (2009) measured the prevalence rate of 0.06% in household population. Bauer (2001) reported that prevalence rate of imprisoned females is 26% as compared with 30% of males imprisoned.

Hare (as cited in James, 2010) reported that 15% to 25% incarcerated male samples are psychopaths. Salekin, Rogers, Ustad, and Sewell (1998) pointed out that female psychopathy has a prevalence rate of 15%, and that 25% to 30% of males are psychopaths.

Psychopathy has been reported higher in adult as well as juvenile offenders, serial killers, mass murderers. Vaughn, Newhill, DeLisi, Beaver, and Howard (2008) investigated the psychopathic features among female delinquents, and found that interpersonal and affective facets of psychopathy related with violence and theft.

Psychopathy has also generally been found associated with recidivism and violence. Hemphill, Hare, and Wong (1998) reported that there is strong relationship among psychopathy, recidivism, including violent recidivism and sexual recidivism. They found that there is 3 times more risk involved in committing a crime again.

Buffington-Vollum, Edens, Johnson, and Johnson (2002) reported that psychopathy is associated with committing violent offenses within institutions. Similar findings were reported by Hicks, Rogers, and Cashel (2000) that there was a high rate of committing a violent infraction among psychopaths as compared with non-psychopaths.

Porter, Birt, and Boer (2001) studied the relationship between commencing violent crimes and psychopathy, and found that high psychopathic individuals commit more crimes and carry on doing so after adolescence.

The construct of psychopathy has shifted from adults to the assessment of juvenile offenders, and its predictive power of aggressive behavior and violent acts among adolescents (Edens, Skeem, Cruise, & Cauffman, 2001). Under Juvenile Justice Ordinance 2000, the juvenile was defined as a child aged between 15 and 18. Pakistan is one of the countries where juvenile laws are not fully implemented. It is argued that juvenile delinquency has reached its epic proportion, and both law and society are unwilling to understand the danger related to it. Most of the children are kept with adults, which also increases the risk of abuse or maltreatment (Sarfaraz, 2008). Kausar et al. (2012) investigated the relationship between juvenile delinquency and personality types of delinquents. They studied

both delinquent and non-delinquent youth aged between 16 and 18 years, and found that delinquent youth scored higher on the psychopathic measure of Minnesota Multiphasic Personality Inventory (MMPI). Fakhar (2014) argued that Pakistan is one of the countries with higher rates of juvenile delinquency. She put forward a number of reasons for the delinquent behavior of youth such as poor socioeconomic status, parenting styles, and peer group affiliations. She suggested that the juvenile justice system should incorporate better policies to address the need of delinquents. In a study by Gadit, Vahidy, and Khalid (1997), it was found that 9% of the child offenders met the criteria for the psychopathy, and there is a potential risk of continuing it in later adulthood. According to Cauffman and Skeem (n.d.), juvenile acts sometimes are a reflection of psychopathic personality rather than simple acts of immaturity.

It has been argued that adolescence is the period where changes in developmental maturity have negative relationship with psychopathy (Cauffman & Skeem, n.d.). According to Rubio, Krieger, Finney, and Coker (2014), determining juvenile psychopathy has both clinical and criminal justice applications, and finding out the underlying causes might be helpful in understanding the phenomenon. The current study focused on the assessment of psychopathy among Pakistani-imprisoned youth. The following hypotheses were proposed on the basis of literature review.

### Objective

To measure the level of psychopathic tendencies among youth

To measure the difference between criminal and non-criminal youth with reference to psychopathy

To measure the difference in level of psychopathic tendencies on the basis of gender

Hypotheses

**Hypothesis 1:** Criminals have high inclination for psychopathic tendencies as compared with non-criminals.

**Hypothesis 2:** Males have higher levels of psychopathic tendencies as compared with females.

### Method

#### Participants

Participants for the current study were taken from three districts of Pakistan: Abbottabad, Mansehra, and Haripur. The sample comprised two groups: adolescent criminals and non-criminals. A total sample of 200 individuals was taken from three districts. Criminals were taken from the prisons and police stations present in Haripur and Mansehra districts, with the individuals between 17 and 24 years of age and having been convicted for crimes.

## Instrument

An indigenously developed scale in Urdu language comprising 70 items was used. The items were rated on a 5-point Likert-type scale, with responses ranging from *strongly agree* to *strongly disagree*. Items were rated 5 for *strongly agree*, 4 for *agree*, 3 for *uncertain*, 2 for *disagree*, and 1 for *strongly disagree*. Item numbers 7, 9, 12, 16, 17, 25, 36, 37, 39, 42, 52, 55, and 59 were phrased reverse that scored 5 for *strongly disagree* and so forth.

An item pool was generated based on the available construct definitions of the psychopathy (see, for example, Decuyper, De Pauw, De Fruyt, De Bolle, & De Clercq, 2009; Hare & Neumann, 2009; Port, 2007; Wynn, Høiseth, & Pettersen, 2012).

## Procedure

The 70-item scale was constructed based on the available literature. Scale items were assessed by a panel of experts, two PhD and a PhD scholar for face validity. The scale was pilot tested on a sample of 20.

The main study was conducted on a sample of 180 individuals. To conduct the study in prison, permission was obtained from the respective authorities prior to study. Participants were approached individually, and after a brief introduction of the research, their verbal consent was obtained for the study. After obtaining informed consent, they were given questionnaires to complete. Filled questionnaires were collected the same day, and participants were thanked for their participation.

## Results

The collected data were statistically analyzed to test the hypothesis. Alpha reliability of the scale was determined to check the internal consistency of the scores ( $\alpha = .90$ ). The  $t$  test was used to check the differences among gender and criminal status.

Table 2 reveals that there is a significant difference in the level of psychopathy among criminals and non-criminals. Mean score of criminals was 259.93 (16.54) as compared with the mean score of non-criminals, which was 203 (34.63).

The results in Table 3 show that there is a significant difference in the psychopathy level of males and females, indicating that males scored significantly higher as compared with the females.

## Discussion

Recent interest in the study of the psychopathic profile of incarcerated and normal individuals, implications of the assessment procedures to criminal justice systems, and screening individuals for their violent acts has gained momentum. The present study is aimed at assessing the

**Table 1.** Demographic Characteristics of the Sample.

Characteristic	f (%)
<b>Gender</b>	
Male	100 (50)
Female	100 (50)
<b>Crime record</b>	
Criminals	76 (38)
Non-criminals	124 (62)
<b>Gender-wise crime</b>	
Male	50 (65.79)
Female	26 (34.21)
<b>SES</b>	
Lower SES	90 (45)
Middle SES	50 (25)
High SES	60 (30)

Note. SES = socioeconomic status.

presence of psychopathic inclination among youth. Major objective of the research was to check the difference in the level of psychopathy among criminal and non-criminal youth. The demographic characteristics of the participants are shown in table 1. It was hypothesized that criminals would score higher on psychopathy questionnaire. The result confirmed the hypothesis, and criminal youth significantly differed from youth who were never convicted or accused of any crime. The results of the study are consistent with those of the previous studies. Porter et al. (2001) found that individuals scoring high on psychopathic measures committed more crimes as compared with low scoring individuals.

Hemphill et al. (1998) reported that psychopaths are at increased risk of committing crimes. Salekin, Rogers, and Sewell (1996) stated that imprisoned individuals have higher rates of psychopathy and are more likely to commit criminal violence and recidivism. They also stated that both criminal violence and recidivism can be predicted by psychopathic scores. de Pádua Serafim, de Barros, Bonini Castellana, and Gorenstein (2014) investigated the differences among psychopathic scores of the psychopathic murderers, non-psychopathic murderers, and non-criminals. The results showed that non-criminals scored lower as compared with both groups of criminals.

The present study was also aimed at finding the difference in the level of psychopathy across gender. The results show that males scored significantly higher as compared with the females; that is, the score for males on psychopathic measure was 240.65 (32.173) and that for females was 209.19 (41.00). The present research findings are consistent with those of previous research. Essau, Sasagawa, and Frick (2006) reported that females score less on dimensions of psychopathy as compared with males. Similar findings were reported by Frick et al. (2003). According to them, boys had a higher score on callous unemotional dimension of psychopathy as compared with the girls having committed more delinquent acts.

**Table 2.** Mean, Standard Deviation, and *t*-Scores of Psychopathy Among Criminals and Non-Criminals (*N* = 200).

Scale	Criminals ( <i>n</i> = 76)		Non-criminals ( <i>n</i> = 124)		<i>t</i> (198)	<i>P</i>	Cohn's <i>d</i>
	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>			
Psychopathy	259.93	16.548	203.46	34.638	13.30	<.001	1.890

**Table 3.** Mean, Standard Deviation, and *t*-Scores of Psychopathy Among Male and Female (*N* = 200).

Scale	Male ( <i>n</i> = 100)		Female ( <i>n</i> = 100)		<i>t</i> (198)	<i>P</i>	Cohn's <i>d</i>
	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>			
Psychopathy	240.65	32.173	209.19	41.00	6.04	<.001	0.858

Frick, Bodin, and Barry (2000) also studied the impulsiveness and unemotional dimension of psychopathy, and found that girls scored significantly lower as compared with females. The results of the present study are also similar to those of Cale and Lilienfeld (2002) who found that the mean level of psychopathy in men is higher as compared with the women. Vitale and Newman (2001) pointed out that females' scores on psychopathic measure were significantly different from males'. They tend to score lower as compared with males. According to Dotterer (2014) males scored higher on total psychopathy and sub facet scores as compared with females.

The present study is among few indigenous studies that focused on the psychopathic traits among Pakistani (see, for example, Jhatial, Jariko, Tahrani, & Jam, 2013; Kausar et al., 2012). The importance of assessing psychopathy and its early identification is really vital. As research evidences have shown that interventions used at earlier age such as using decompression model or using increased relationship bond with peers and parents, are helpful in treating psychopathy (e.g., Edwards, 2015). Developing such an approach in Pakistan especially in juvenile justice system and introducing it in facilities such as Remand Homes, Industrial and Reform Schools can assist the society in a more productive way.

### Limitations

Like other research, this research has some limitations. A few of them are identified during the course of research:

1. The study is conducted on a smaller area, and only three cities of Pakistan, Abbottabad, Haripur, and Mansehra were taken.
2. It was observed that the public view of the crimes differs. Focus group studies are needed to assess

what individuals think about committing crimes and being criminals. What indices of psychopathy may be used to assess the level among masses?

3. The data were mainly collected from youth. A more varied sample is needed to assess the level of psychopathy among normal population.

### Implications of Study

The study was conducted to investigate the difference in the psychopathic level of criminal and non-criminal youth. The construct of psychopathy is so important that various criminal offenses and use of instrumental aggression by psychopaths demand attention. Psychopaths among normal individuals are also needed to be assessed and treated. The study has implications in the criminal justice system and psychoeducation, providing an insight to clinicians and educationists about the construct.

### Conclusion

The aim of the study was to assess the level of psychopathy among youth. The study focused on measuring the difference in the level of psychopathy among criminal and non-criminal youth. It also focused on the gender differences with reference to psychopathy. The sample was taken from three districts of the Hazara division. The total sample was 200 youth (100 males and 100 females). Data were assessed using an indigenously developed Urdu Psychopathy scale. The scale consisted of 70 items, and the reliability for the scale was .90. The results confirmed our hypothesis that criminals showed higher rates of psychopathy. Similarly, males exhibited more psychopathic traits as compared with females.

### Declaration of Conflicting Interests

The author(s) declared no potential conflicts of interest with respect to the research, authorship, and/or publication of this article.

### Funding

The author(s) received no financial support for the research and/or authorship of this article.

### References

- Anjum, S. (2015, February 25). Countrywide crime rate drops by slight margin of 1.16 percent. *The News*, pp. 1, 19.
- Assadi, M. Z. (2011, February 09). Violence against women remains high in Pakistan. *The New America*. Retrieved from <http://www.thenewamerican.com/world-news/asia/item/10356-violence-against-women-remains-high-in-pakistan>
- Bauer, D. L. (2001). *Psychopathy in incarcerated adolescent females: Prevalence rates and individual differences in cognition, personality and behavior*. Ann Arbor, MI: University of Microfilms International.
- Buffington-Vollum, J., Edens, J. F., Johnson, D. W., & Johnson, J. K. (2002). Psychopathy as a predictor of institutional

- misbehavior among sex offenders: A prospective replication. *Criminal Justice and Behavior*, 29, 497-511. doi:10.1177/0093854802029005002
- Butt, Q. (2015, September 28). Crimes against children: Study shows 17% rise in abuse case reports. *The Express Tribune*. Retrieved from <http://tribune.com.pk/story/963553/crimes-against-children-study-shows-17-rise-in-abuse-case-reports/>
- Cale, E. M., & Lilienfeld, S. O. (2002). Histrionic personality disorder and antisocial personality disorder: Sex-differentiated manifestations of psychopathy? *Journal of Personality Disorders*, 16, 52-72. doi:10.1521/pedi.16.1.52.22557
- Cauffman, E., & Skeem, J. (n.d.). *The Juvenile Psychopath: Is there such a thing as an adolescent superpredator?* Retrieved from <http://www.adjj.org/downloads/7893Microsoft%20PowerPoint%20-%20Juvenile%20Psychopathy.pdf>
- Coid, J., Yang, M., Ullrich, S., Zhang, T., Sizmur, S., Roberts, C., . . . Rogers, R. (2009). Gender differences in structural risk assessment: Comparing the accuracy of five instruments. *Journal of Consulting and Clinical Psychology*, 77, 337-348. doi:10.1037/a0015155
- Copley, J. (2008a, July 30). *Causes of psychopathy: Theories on sociopathic personality disorder*. Retrieved from <http://www.suite101.com/content/causes-of-psychopathy-a62417>
- Copley, J. (2008b, August 9). *Why most people are not psychopathic: The value of empathy, compassion, and selflessness*. Retrieved from <http://www.suite101.com/content/why-most-people-are-not-psychopathic-a63746>
- Corr, P. J. (2010). The psychoticism-psychopathy continuum: A neuropsychological model of core deficits. *Personality and Individual Differences*, 48, 695-703. doi:10.1016/j.paid.2009.12.023
- Daniel, M. (2010). *Without conscience: The nature of the psychopath*. Retrieved from <http://www.suite101.com/content/without-conscience-a205137>
- Decuyper, M., De Pauw, S., De Fruyt, F., De Bolle, M., & De Clercq, B. J. (2009). A meta-analysis of psychopathy-, antisocial PD and FFM associations. *European Journal of Personality*, 23, 531-565. doi:10.1002/per.729
- de Pádua Serafim, A., de Barros, D. M., Bonini Castellana, G., & Gorenstein, C. (2014). Personality traits and violent behavior: A comparison between psychopathic and non-psychopathic male murderers. *Psychiatry Research*, 219, 604-608. doi:10.1016/j.psychres.2014.06.026
- Dotterer, H. L. (2014). *Influences on destructive college drinking: The role of psychopathic traits and gender* (Bachelor of Arts thesis, University of Michigan). Retrieved from <http://deepblue.lib.umich.edu/bitstream/handle/2027.42/107716/hdotty.pdf?sequence=1>
- Edens, J. F., Campbell, J. S., & Weir, J. M. (2007). Youth psychopathy and criminal recidivism: A meta-analysis of the psychopathy checklist measures. *Law and Human Behavior*, 31, 53-75.
- Edens, J. F., Skeem, J. L., Cruise, K. R., & Cauffman, E. (2001). Assessment of "juvenile psychopathy" and its association with violence: A critical review. *Behavioral Science & the Law*, 19(3), 53-80. doi:10.1002/bsl.425
- Edwards, V. V. (2015). *The psychology of a psychopath*. Retrieved from <http://www.scienceofpeople.com/2015/03/master-manipulators/>
- Essau, C. A., Sasagawa, S., & Frick, P. J. (2006). Callous-unemotional traits in a community sample of adolescents. *Assessment*, 13, 454-469. doi:10.1177/1073191106287354
- Fakhar, A. (2014). *Juvenile delinquency: A psychological outlook*. Retrieved from <http://www.pakistantoday.com.pk/2014/11/22/comment/juvenile-delinquency-a-psychological-outlook/>
- Frick, P. J., Bodin, S. D., & Barry, C. T. (2000). Psychopathic traits and conduct problems in community and clinic-referred samples of children: Further development of the psychopathy screening device. *Psychological Assessment*, 12, 382-393. doi:10.1037/1040-3590.12.4.382
- Frick, P. J., Cornell, A. H., Bodin, S. D., Dane, H. A., Barry, C. T., & Loney, B. R. (2003). Callous-unemotional traits and developmental pathways to severe conduct problems. *Developmental Psychology*, 39, 246-260. doi:10.1037/0012-1649.39.2.246
- Frick, P. J., & Dickens, C. (2006). Current perspectives on conduct disorder. *Current Psychiatry Reports*, 8, 59-72. doi:10.1007/s11920-006-0082-3
- Frick, P. J., & White, S. F. (2008). Research review: The importance of callous-unemotional traits for developmental models of aggressive and antisocial behavior. *Journal of Child Psychology and Psychiatry*, 49, 359-375. doi:10.1111/j.1469-7610.2007.01862.x
- Gadit, A. A., Vahidy, A. A., & Khalid, N. (1997). Children of the corn: A study conducted at juvenile prison in Karachi—Overview I [Abstract]. *Pakistan Pediatric Journal*, 21(1), 7-12. Retrieved from <http://www.pakmedinet.com/5240>
- Hare, R. D., & Neumann, C. S. (2009). Psychopathy: Assessment and forensic implications. *The Canadian Journal of Psychiatry*, 54, 791-802.
- Harris, G. T., Rice, M. E., Hilton, N. Z., Lalumière, M. L., & Quinsey, V. L. (2007). Coercive and precocious sexuality as a fundamental aspect of psychopathy. *Journal of Personality Disorders*, 21, 1-27. Retrieved from <http://psycserver.psy.queensu.ca/quinsey/pdf/Psychopathy/Harrisetal2007JPD-PsychopathicSexuality.pdf>
- Hemphill, J. F., Hare, R. D., & Wong, S. (1998). Psychopathy and recidivism: A review. *Legal and Criminological Psychology*, 3, 139-170. doi:10.1111/j.2044-8333.1998.tb00355.x
- Hicks, M. M., Rogers, R., & Cashel, M. (2000). Predictions of violent and total infractions among institutionalized male juvenile offenders. *The Journal of the American Academy of Psychiatry and the Law*, 28, 183-190.
- James, M. G. (2010). *Investigating dimensions of psychopathy in an adjudicated adolescent sample: The role of race, sex and disruptive family processes* (Doctoral dissertation). Graduate School, The Ohio State University, Columbus.
- Jhatial, A. A., Jariko, G. A., Tahrani, A., & Jam, Y. (2013). Psychopathy in management behaviour and bullying at work: Hearing some unheard voices from Pakistan. *Gomal University Journal of Research*, 29(1), 104-117. Retrieved from <http://gu.edu.pk/New/GUJR/PDF/June-2013/104-117Psychopaths%20and%20bullies%20at%20work%20Final.pdf>
- Kausar, A., Nadeem, M., Rasheed, M., Amin, F., Fahd, S., Usman, M., . . . Saleem, S. (2012, January 7-8). *Personality traits and juvenile delinquency in Punjab, Pakistan*. Paper presented in International Conference on Business, Economics, Management and Behavioral Sciences (ICBEMBS'2012), Dubai, United Arab Emirates.
- Leistico, A. M., Salekin, R. T., DeCoster, J., & Rogers, R. (2008). A large-scale meta-analysis relating the hare measures of psychopathy to antisocial conduct. *Law and Human Behavior*, 32, 28-45.

- Port, T. (2007, August 8). *What is a psychopath or antisocial? ASPD personality disorder is more common than you think*. Retrieved from <http://www.suite101.com/content/what-is-psy-chopathy-a28337>
- Porter, S., Birt, A. R., & Boer, D. P. (2001). Investigation of the criminal and conditional release profiles of Canadian federal offenders as a function of psychopathy and age. *Law and Human Behavior, 25*, 647-661.
- Rubio, J. S., Krieger, M. A., Finney, E. J., & Coker, K. L. (2014). A review of the relationship between sociocultural factors and juvenile psychopathy [Abstract]. *Aggression and Violent Behavior, 19*, 23-31. doi:10.1016/j.avb.2013.11.001
- Salekin, R. T., Rogers, R., & Sewell, K. W. (1996). A review and meta-analysis of the psychopathy checklist and psychopathy checklist-revised: Predictive validity of dangerousness. *Clinical Psychology: Science and Practice, 3*, 203-215. doi:10.1111/j.1468-2850.1996.tb00071.x
- Salekin, R. T., Rogers, R., Ustad, K. L., & Sewell, K. W. (1998). Psychopathy and recidivism among female inmates. *Law and Human Behavior, 22*, 109-128.
- Sarfaraz, I. (2008, May). *Juvenile delinquency in Pakistan*. Retrieved from <http://pakistaniat.com/2008/05/28/juvenile-delinquency-in-pakistan/>
- Sullivan, E. L. (1996). *Assessment of psychopathy using the MMPI-A: Validity in male adolescent forensic patients* (Master's thesis, Department of Psychology, Simon Fraser University). Retrieved from <http://www.google.com.pk/url?sa=t&rct=j&q=assessment%20of%20psychopathy%20using%20the%20mmpi-a%3A%20validity%20in%20male%20adolescent%20forensic%20patients.%20&source=web&cd=1&cad=rja&ved=0C-CEQFjAA&url=http%3A%2F%2Fsummit.sfu.ca%2Fsystem%2Ffiles%2Fitems1%2F7072%2Fb1802662x.pdf&ei=h32MUInXNZDXsgbXwYHwCA&usq=AFQjCNH6RcQ8nvNtwj5rQC85QW2D51H5fQ>
- Vaughn, M. G., Newhill, C. E., DeLisi, M., Beaver, K. M., & Howard, M. O. (2008). An investigation of psychopathic features among delinquent girls violence, theft, and drug abuse. *Youth Violence and Juvenile Justice, 6*, 240-255. doi:10.1177/1541204007312298
- Vitale, J. E., & Newman, J. P. (2001). Response perseveration in psychopathic women. *Journal of Abnormal Psychology, 110*, 644-647. doi:10.1037/0021-843X.110.4.644
- Wynn, R., Høiseth, M. H., & Pettersen, G. (2012). Psychopathy in women: Theoretical and clinical perspectives. *International Journal of Women's Health, 4*, 257-263. Retrieved from <http://munin.uit.no/bitstream/handle/10037/4777/article.pdf?sequence=1>
- Youth in crisis: Coming of age in the 21st century. (2007). *IRIN*. Retrieved from <http://www.newunionism.net/library/internationalism/IRIN%20-%20Youth%20in%20Crisis%20-%20Coming%20of%20Age%20in%20the%2021st%20Century%20-%202007.pdf>

### Author Biographies

**Sher Dil** has done MPhil in Psychology from Hazara University Mansehra. He is currently pursuing PhD in Psychology from Hazara University Mansehra. He is serving as Lecturer in Psychology at Hazara University Mansehra.

**Farhana Kazmi** is PhD in Psychology. She is an Associate Professor also serving as Head Department of Psychology Hazara University Mansehra.